DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
1010 10TH Street, Suite 3400, Modesto, CA 95354
Planning Phone: (209) 525-6330 Fax: (209) 525-5911
Building Phone: (209) 525-6557 Fax: (209) 525-7759

CEQA Referral Initial Study And Notice of Intent to Adopt a Mitigated Negative Declaration

Date:	**August 12, 2026**
To:	**Distribution List (See Attachment A)**
From:	**Emily DeAnda, Associate Planner Planning and Community Development**
Subject:	**GENERAL PLAN AMENDMENT, REZONE AND PARCEL MAP APPLICATION NO. PLN2025-0015 – KEYES-CENTRAL**
Comment Period:	**August 12, 2026 – September 16, 2026**
Respond By:	**September 16, 2026**
Public Hearing Date:	**Not yet scheduled. A separate notice will be sent to you when a hearing is scheduled.**

You may have previously received an Early Consultation Notice regarding this project, and your comments, if provided, were incorporated into the Initial Study. Based on all comments received, Stanislaus County anticipates adopting a Mitigated Negative Declaration for this project. This referral provides notice of a 30-day comment period during which Responsible and Trustee Agencies and other interested parties may provide comments to this Department regarding our proposal to adopt the Mitigated Negative Declaration.

All applicable project documents are available for review at: Stanislaus County Department of Planning and Community Development, 1010 10th Street, Suite 3400, Modesto, CA 95354. Please provide any additional comments to the above address or call us at (209) 525-6330 if you have any questions. Thank you.

Applicant: Navjot Athwal, Athwal Investments, LP

Project Location: 5956 Central Avenue, between Turner Road and Keyes Road, in the Ceres area.

APNs: 041-038-014 and 041-038-015

Williamson Act Contract: N/A

General Plan: Agriculture

Current Zoning: General Agriculture (A-2-40)

Project Description: Request to amend the General Plan and zoning designation of a 7.16± acre portion of a 17.6± acre parcel from Agriculture and General Agriculture (A-2-40) to Planned Development (P-D), and to subdivide the parcel into a 7.16± acre parcel and a 10.44± acre designated remainder. The project proposes to develop the 7.16± acres, located on the northeast corner of the Keyes Road and Central Avenue intersection, with a 12-pump fueling station, a 4,000± square-foot convenience store with an attached 2,500 square-foot car wash, and a 7,500± square-foot quick-serve restaurant with a drive-through, in two phases.

Full document with attachments available for viewing at:
http://www.stancounty.com/planning/pl/act-projects.shtm

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GENERAL PLAN AMENDMENT, REZONE AND PARCEL MAP APPLICATION NO. PLN2025-0015 – KEYES-CENTRAL

Attachment A

Distribution List

X	CA DEPT OF CONSERVATION Land Resources		STAN CO ALUC
X	CA DEPT OF FISH & WILDLIFE		STAN CO ANIMAL SERVICES
	CA DEPT OF FORESTRY (CAL FIRE)	X	STAN CO BUILDING PERMITS DIVISION
X	CA DEPT OF TRANSPORTATION DIST 10	X	STAN CO CEO
X	CA OPR STATE CLEARINGHOUSE		STAN CO CSA
X	CA RWQCB CENTRAL VALLEY REGION	X	STAN CO DER
	CA DEPT OF WATER RESOURCES	X	STAN CO ERC
	CEMETERY DISTRICT	X	STAN CO FARM BUREAU
X	CENTRAL VALLEY FLOOD PROTECTION	X	STAN CO HAZARDOUS MATERIALS
	CITY OF:		STAN CO PARKS & RECREATION
	COMMUNITY SERVICES DIST:	X	STAN CO PUBLIC WORKS
X	COOPERATIVE EXTENSION	X	STAN CO PUBLIC WORKS - SURVEY
	COUNTY OF:		STAN CO RISK MANAGEMENT
X	DER GROUNDWATER RESOURCES DIVISION	X	STAN CO SHERIFF
X	DISPOSAL DIST: BERTOLOTTI DISPOSAL AREA 1	X	STAN CO SUPERVISOR DIST #5: SUPERVISOR C. CONDIT
X	FIRE PROTECTION DIST: KEYES FIRE	X	STAN COUNTY COUNSEL
X	GSA: WEST TURLOCK SUBBASIN		StanCOG
	HOSPITAL DIST:	X	STANISLAUS FIRE PREVENTION BUREAU
X	IRRIGATION DIST: TURLOCK	X	STANISLAUS LAFCO
X	MOSQUITO DIST: TURLOCK	X	STATE OF CA SWRCB DIVISION OF DRINKING WATER DIST. 10
X	STANISLAUS COUNTY EMERGENCY MEDICAL SERVICES	X	SURROUNDING LAND OWNERS
	MUNICIPAL ADVISORY COUNCIL:		INTERESTED PARTIES
X	PACIFIC GAS & ELECTRIC	X	TELEPHONE COMPANY: AT&T
	POSTMASTER:	X	TRIBAL CONTACTS (CA Government Code §65352.3)
X	RAILROAD: UNION PACIFIC		US ARMY CORPS OF ENGINEERS

X	SAN JOAQUIN VALLEY APCD	X	US FISH & WILDLIFE
X	SCHOOL DIST 1: CERES UNIFIED		US MILITARY (SB 1462) (7 agencies)
	SCHOOL DIST 2:		USDA NRCS
	WORKFORCE DEVELOPMENT		
X	STAN CO AG COMMISSIONER		

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STANISLAUS COUNTY
CEQA REFERRAL RESPONSE FORM

TO: **Stanislaus County Planning & Community Development**
1010 10th Street, Suite 3400
Modesto, CA 95354

FROM: _____

SUBJECT: **GENERAL PLAN AMENDMENT, REZONE, AND PARCEL MAP APPLICATION NO. PLN2025-0015 – KEYES-CENTRAL**

Based on this agency's particular field(s) of expertise, it is our position the above described project:

_____ Will not have a significant effect on the environment.
_____ May have a significant effect on the environment.
_____ No Comments.

Listed below are specific impacts which support our determination (e.g., traffic general, carrying capacity, soil types, air quality, etc.) – (attach additional sheet if necessary)

1.
2.
3.
4.

Listed below are possible mitigation measures for the above-listed impacts: *PLEASE BE SURE TO INCLUDE WHEN THE MITIGATION OR CONDITION NEEDS TO BE IMPLEMENTED (PRIOR TO RECORDING A MAP, PRIOR TO ISSUANCE OF A BUILDING PERMIT, ETC.):*

1.
2.
3.
4.

In addition, our agency has the following comments (attach additional sheets if necessary).

_____

_____

Response prepared by:

_____

Name Title Date

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CEQA INITIAL STUDY

Adapted from CEQA Guidelines APPENDIX G Environmental Checklist Form, Final Text, January 1, 2025

1.	**Project title:**	General Plan Amendment, Rezone, and Parcel Map Application No. PLN2025-0015 – Keyes-Central
2.	**Lead agency name and address:**	Stanislaus County 1010 10th Street, Suite 3400 Modesto, CA 95354
3.	**Contact person and phone number:**	Emily DeAnda, Associate Planner (209) 525-6330
4.	**Project location:**	5956 Central Avenue, between Turner Road and Keyes Road, in the Ceres area (APNs: 041-038-014 and 041-038-015).
5.	**Project sponsor's name and address:**	Navjot Athwal, Athwal Investments, LP 2561 4th Street, Ceres, CA 95307
6.	**General Plan designation:**	Agriculture
7.	**Zoning:**	General Agriculture (A-2-40)

8. Description of project:

Request to amend the General Plan and zoning designation of a 7.16± acre portion of a 17.6± acre parcel from Agriculture and General Agriculture (A-2-40) to Planned Development (P-D), and to subdivide the parcel into a 7.16± acre parcel and a 10.44± acre designated remainder. The project proposes to develop the 7.16± acres, located on the northeast corner of the Keyes Road and Central Avenue intersection, with a 12-pump fueling station, a 4,000± square-foot convenience store with an attached 2,500 square-foot car wash, and a 7,500± square-foot quick-serve restaurant with a drive-through, in two phases. The remainder will remain designated as Agriculture and zoned General Agriculture (A-2-40); no improvements are proposed on the remainder under this request. The project site is currently improved with a manufactured home. A produce stand is currently in use on the property which was permitted under Use Permit No. 92-40 – Sarbjit Singh Athwal and was later modified under Staff Approval Permit No. 95-18 – Sarbjit S. Athwal. The balance of the current parcel is planted in almond trees and is bisected by the Lower Lateral 2 ½ Turlock Irrigation District (TID) canal.

In addition to the subdivision of the property, Phase 1 of the proposed project will include the demolition of the existing 3,000 square-foot produce stand and construction of the fueling station,

convenience store, car wash, trash enclosure, four underground storage tanks, and parking lot with 21 parking spaces. The fueling station is proposed to be open seven days a week, 24 hours per-day. A total of 10-12 employees is anticipated for the convenience store, with a maximum shift of four employees, with up to three shifts per-day. Access for the development under Phase 1 is proposed from Central Avenue via a 25-foot-wide driveway and from Keyes Road via a 36-foot-wide driveway. Construction under Phase 1 is anticipated to begin within two years of approval, if approved.

Phase 2 will consist of construction of the quick-serve restaurant with a drive-through, a trash enclosure, and 37 additional parking spaces. Access for the development under Phase 2 will be taken from Central Avenue via a 25-foot-wide driveway. The quick-serve restaurant is proposed to operate seven days a week from 8:00 a.m. to 10:00 p.m. and with a total of 10-15 employees (five to six on a maximum shift with up to three shifts per-day). The development of Phase 2 is anticipated to begin within five years of approval, after the completion of Phase 1.

The project is projected to generate approximately 6,600 daily trips, including 659 trips during the AM peak hour and 522 during the PM peak hour upon full build out of both phases of development. After accounting for internal and pass-by trip reductions, the net-new trip estimates are 4,930 daily trips, 473 AM peak hour trips, and 374 PM peak hour trips as determined in a Trip Generation & VMT Screening Analysis prepared by Fehr & Peers for the proposed project (see Attachment I).

A total of .42± acres of landscaping, including drought tolerant shrubs, are proposed to be installed around the convenience store, quick-serve restaurant, and parking areas; 24-foot-tall lighting poles are proposed to be installed throughout the parking lot; and a monument sign is proposed to be installed at the corner of Keyes and Central Road. Almond trees will remain planted on 4± acres of the 7.16± acre proposed parcel. The development is proposed to be served by a private onsite septic system for wastewater treatment and a private onsite well (to be permitted as a public water system). The proposed remainder parcel will remain developed with a septic system and well which serves the existing manufactured home which is proposed to remain on the designated remainder parcel.

9.	**Surrounding land uses and setting:**	Orchards to the north, east and south; an almond hulling and shelling facility, and the City of Ceres to the northeast; the community of Keyes to the east; a horse boarding facility to the southwest; ranchettes to the south and west of the project site; and a winery to the west.
10.	**Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.):**	Caltrans Stanislaus County Department of Public Works Department of Environmental Resources

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?:

In accordance with SB 18, this project was referred to the tribes listed with the Native American Heritage Commission (NAHC) as the project is a General Plan Amendment. The Muwekma Ohlone Tribe of the San Francisco (S.F.) Bay Area has requested consultation in accordance with AB 52 for all projects located west of the San Joaquin River. This project is not located in that area; accordingly, this project is not being sent to the Muwekma Ohlone S.F. Bay Area tribe.

12. Attachments:

I. Trip Generation & VMT Screening Analysis for Proposed Keyes-Central Commercial Development in Stanislaus County, performed by Fehr & Peers, dated July 29, 2025

II. Air Quality, Health Risk Analysis, and Greenhouse Gas Technical Analysis, performed by Richard Miller, Air Quality and Climate Change Specialist, Johnson Johnson and Miller Air Quality Consulting Services, dated February 16, 2026

III. Central California Information Center Report, dated July 2, 2024

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☐ Aesthetics	☒ Agriculture / Forestry Resources	☒ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology / Soils	☐ Greenhouse Gas Emissions	☐ Hazards / Hazardous Materials
☐ Hydrology / Water Quality	☐ Land Use / Planning	☐ Mineral Resources
☐ Noise	☐ Population / Housing	☐ Public Services
☐ Recreation	☐ Transportation	☐ Tribal Cultural Resources
☐ Utilities / Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

☐ **I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.**

☒ **I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.**

☐ **I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.**

☐ **I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.**

☐ **I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable**

standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature on file. **August 12, 2026**

Prepared by Emily DeAnda, Associate Planner Date

EVALUATION OF ENVIRONMENTAL IMPACTS:

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level.

5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration.

Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

> **a) Earlier Analysis Used. Identify and state where they are available for review.**
>
> **b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.**
>
> **c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.**

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). References to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9) The explanation of each issue should identify:

a) the significant criteria or threshold, if any, used to evaluate each question; and

b) the mitigation measure identified, if any, to reduce the impact to less than significant.

ISSUES

I. AESTHETICS. Except as provided in Public Resources Code Section 21099, would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?			X	
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?			X	
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?			X	
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			X	

Discussion: The site itself is not considered to be a scenic resource or unique scenic vista. The project site is currently improved with a manufactured home, and a produce stand currently in use on the property. The balance of the current parcel is planted in almond trees and is bisected by the Lower Lateral 2 ½ Turlock Irrigation District (TID) canal.

The project proposes to develop the 7.16± acres, located on the northeast corner of the Keyes Road and Central Avenue intersection, with a 12-pump fueling station, a 4,000± square-foot convenience store with an attached car wash, and a 7,500± square-foot quick-serve restaurant with a drive-through, in two phases. The remainder will remain designated as Agriculture and zoned General Agriculture (A-2-40); no improvements are proposed on the remainder under this request. Phase 1 of the proposed project includes the demolition of the existing 3,000 square-foot produce stand.
The surrounding area is comprised of orchards to the north, east and south; an almond hulling and shelling facility to the northeast; a horse boarding facility to the southwest; and ranchettes to the south and west of the project site.

A total of .42± acres of landscaping, including drought tolerant shrubs, are proposed to be installed around the convenience store, quick-serve restaurant, and parking areas; 24-foot-tall lighting poles are proposed to be installed throughout the parking lot; and a monument sign is proposed to be installed at the corner of Keyes and Central Road. To prevent the potential for the creation of a new source of substantial light or glare affecting the day or nighttime views in the area, a development standard will be applied to the project requiring that a photometric lighting plan be submitted for review and approval to the Planning Department prior to issuance of a building permit for the site. With the inclusion of this development standard, aesthetic impacts from the project are considered to be less-than significant.

Mitigation: None.

References: Application information; Stanislaus County Zoning Ordinance; Stanislaus County General Plan and Support Documentation[1].

II. AGRICULTURE AND FOREST RESOURCES. In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:	**Potentially Significant Impact**	**Less Than Significant With Mitigation Incorporated**	**Less Than Significant Impact**	**No Impact**
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?		**X**		
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?			**X**	
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				**X**
d) Result in the loss of forest land or conversion of forest land to non-forest use?				**X**

e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?			**X**	

Discussion: The California Department of Conservation's Important Farmland Maps considers the 17.6± acre parcel to be Unique Farmland and Prime Farmland. The majority of the proposed 7.16± acre parcel to be developed is considered to be Unique Farmland, and the proposed 10.44± acre remainder, which will remain designated as General Agriculture and planted in orchard, is considered to be entirely Prime Farmland. Stanislaus County considers land that meets at least one of the following requirements to be prime farmland under the Uniform Rules: parcels comprised of Grade 1 or 2 soils; irrigated pastureland which supports livestock used for the production of food and fiber; and land used for unprocessed agricultural plant production, including fruit or nut bearing trees, with an annual gross value of not less than eight hundred dollars per acre. The USDA Natural Resources Conservation Service's Eastern Stanislaus County Soil Survey indicates that approximately 75% of the project site proposed to be developed is comprised of Dinuba sandy loam (DsA), shallow with zero to one percent slopes, and the remaining 25% of the project site is comprised of Dinuba sandy loam (DrA), with zero to one percent slopes. The current 17.6± acre parcel is planted in approximately 15± acres of almond trees and is not enrolled in a Williamson Act Contract. Based on the County's Uniform Rules the project site qualifies as prime farmland.

The project site is bisected by the Lower Lateral 2 ½ Turlock Irrigation District (TID) canal and receives irrigation water from TID. The project was referred to TID who responded requesting that a minimum six-foot-tall solid masonry or concrete wall be installed next to TID's right-of-way along the canal, per District standards and specifications; that an easement centered on a private pipeline located on the east side of the northern proposed remainder parcel be recorded for the benefit of downstream users; that TID review and approve all maps and plans of the project; and that any improvements to this property which impacts irrigation facilities be subject to TID's approval and meet all standards and specifications. If it is determined that irrigation facilities will be impacted, the applicant will need to provide irrigation improvement plans and enter into an Irrigation Improvements Agreement for the required irrigation facility modifications. Additionally, TID commented that all work on irrigation facilities only be performed during the non-irrigation season (typically from November 1 – March 1). TID's comments will be placed on the project as Development Standards.

To allow for the development of the proposed project the site must be rezoned to Planned Development. The General Plan designation of the parcel is Agriculture and must be consistent with the proposed zoning district of Planned Development; accordingly, the application also includes a General Plan amendment to Planned Development. Goal 2, Policy 2.7 of the Agricultural Element states that, "Proposed amendments to the General Plan Diagram (map) that would allow the conversion of agricultural land to non-agricultural uses shall be approved only if they are consistent with the County's conversion criteria." Implementation 1, of the Agricultural Element's Policy 2.7 describes the procedures for processing amendments to the General Plan land use designation from "Agriculture" to another designation:

> *Conversion Consequences. The direct and indirect effects, as well as the cumulative effects, of the proposed conversion of agricultural land shall be fully evaluated.*

Conversion Considerations. In evaluating the consequences of a proposed amendment, the following factors shall considered: plan designation; soil type; adjacent uses; proposed method of sewage treatment; availability of water, transportation, public utilities, fire and police protection, and other public services; proximity to existing airports and airstrips; impacts on air and water quality, wildlife habitat, endangered species and sensitive lands; and any other factors that may aid the evaluation process.

Conversion Criteria. Proposed amendments to the General Plan Diagram (map) that would allow the conversion of agricultural land to urban uses shall be approved only if the Board of Supervisors makes the following findings:

A. *Overall, the proposal is consistent with the goals and policies of the General Plan.*
B. *There is evidence on the record to show a demonstrated need for the proposed project based on population projections, past growth rates, and other pertinent data.*
C. *No feasible alternative site exists in areas already designated for the proposed uses.*
D. *Approval of the proposal will not constitute a part of, or encourage, piecemeal conversion of a larger agricultural area to non-agricultural uses and will not be growth-inducing (as used in the California Environmental Quality Act).*
E. *The proposed project is designed to minimize conflict and will not interfere with agricultural operations on surrounding agricultural lands or adversely affect agricultural water supplies.*
F. *Adequate and necessary public services and facilities are available or will be made available as a result of the development.*
G. *The design of the proposed project has incorporated all reasonable measures, as determined during the CEQA review process, to mitigate impacts to agricultural lands, fish and wildlife resources, air quality, water quality and quantity, or other natural resources.*

The surrounding area is comprised of orchards to the north, east and south; an almond hulling and shelling facility, and the City of Ceres to the northeast; the community of Keyes to the east; a horse boarding facility to the southwest; ranchettes to the south and west of the project site; and a winery to the west. The nearest parcels in production agriculture are a 55± acre farmed parcel immediately adjacent to the project site to the east, a 38± acre farmed parcel to the south across East Keyes Road which is enrolled in a Williamson Act Contract, and two 18± acre farmed parcels west across Central Avenue, one of which is enrolled in a Williamson Act Contract. Similarly situated parcels of 17± acres or more, in agricultural production and zoned General Agriculture (A-2-40), are located within the immediately surrounding area.

General Plan Amendment No. 2011-01 - Revised Agricultural Buffers was approved by the Board of Supervisors on December 20, 2011, to modify County requirements for buffers on agricultural projects. The County's Agricultural Element's Agricultural Buffer Guidelines states that new or expanding uses approved by discretionary permit in the A-2 zoning district or on a parcel adjoining the A-2 zoning district should incorporate a minimum 150-foot-wide agricultural buffer setback, or 300-foot-wide buffer setback for people intensive uses, to physically avoid conflicts between agricultural and non-agricultural uses. Public roadways, utilities, drainage facilities, rivers and adjacent riparian areas, landscaping, parking lots, and similar low people intensive uses are permitted uses within the buffer setback area. Based on the proposed use a 300-foot-wide buffer for people intensive uses would be required, however, the applicant has proposed an alternative buffer for compliance with the policy. The proposed project meets the 300-foot-wide buffer to the east of the

development; however, the project will not meet the buffer requirements on the north, west, or south sides of the project area. The applicant proposes an alternative buffer of 150-foot setback area from the parcels across Central Avenue to the west and across East Keyes Road to the south, as well as an evergreen hedge, and a variety of trees and shrubs along the frontage of Central Avenue and East Keyes Road, as their alternative. To the north, the applicant proposes a no-buffer alternative and is not proposing landscaping along the property line or fencing as the TID canal abuts the proposed parcel to the north of the development creating a barrier between the parcel to be developed and the adjacent proposed remainder parcel to the north. The project was referred to the Stanislaus County Agricultural Commissioner, and no comments have been received to date.

No forest lands exist in Stanislaus County. Therefore, this project will have no impact to forest land or timberland. However, the project would convert prime and unique farmland to a non-agricultural use. Accordingly, a mitigation measure has been incorporated into the project requiring that farmland mitigation be provided based on a 1:1 ratio to the amount of prime and unique farmland to be converted (7.16 acres) through either a long-term agricultural easement or through the payment of an in-leu fee to a land trust. The agricultural easement shall meet all criteria, including location and characteristic criteria of the County's adopted Farmland Mitigation Program Guidelines, in effect at the time of project approval, and shall be accepted by the Planning Director. prior to issuance of a building or grading permit. Impacts to agricultural resources are considered to be less than significant with mitigation incorporated into the project.

Mitigation:

1. Farmland mitigation shall be provided based on a 1:1 ratio to the amount of farmland converted (7.16 acres). The mitigation may be met through direct acquisition of an agricultural easement or through the payment of an in-lieu fee. The easement or in-lieu fee shall be administered by a land trust, determined to be acceptable by the County Planning Director and shall meet all criteria, including location and characteristic criteria of the County's adopted Farmland Mitigation Program Guidelines, in effect at the time of project approval, as determined to be applicable by the Planning Director. Agricultural mitigation land shall be:
    - Located in Stanislaus County;
    - Designated Agriculture by the Land Use Element of the Stanislaus County General Plan;
    - Zoned General Agriculture (A-2)
    - Located outside a Local Agency Formation Commission (LAFCO) adopted Sphere of Influence of a city;
    - Agricultural Mitigation land shall be in conformance with the A-2 zoning district;
    - The type of agricultural related activity allowed on mitigation land shall be specified as part of the agricultural conservation easement and shall not be less restrictive than the A-2 zoning district;
    - Land already effectively encumbered by a conservation easement of any nature is not eligible to qualify as agricultural mitigation land;
    - The agricultural mitigation land shall be of equal or better soil quality than the agricultural land whose use is being changed to nonagricultural uses. Priority shall be given to lands designated as 'prime farmland', 'farmland of statewide importance' and 'unique farmland' by the California Department of Conservation's Farmland Mapping and Monitoring Program; and

- The agricultural mitigation land shall have an adequate water supply to support the agricultural use of the land. The water rights on the agricultural mitigation land shall be protected in the farmland conservation easement.

References: Application information; United States Department of Agriculture NRCS Web Soil Survey; California State Department of Conservation Farmland Mapping and Monitoring Program - Stanislaus County Farmland 2022; Referral response from Turlock Irrigation District, dated November 21, 2025; Stanislaus County Zoning Ordinance (Title 21); Stanislaus County General Plan and Support Documentation[1].

III. AIR QUALITY. Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:	**Potentially Significant Impact**	**Less Than Significant With Mitigation Incorporated**	**Less Than Significant Impact**	**No Impact**
a) Conflict with or obstruct implementation of the applicable air quality plan?			**X**	
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?			**X**	
c) Expose sensitive receptors to substantial pollutant concentrations?		**X**		
d) Result in other emissions (such as those odors adversely affecting a substantial number of people?			**X**	

Discussion: The proposed project is located within the San Joaquin Valley Air Basin (SJVAB) and, therefore, falls under the jurisdiction of the San Joaquin Valley Air Pollution Control District (SJVAPCD). In conjunction with the Stanislaus Council of Governments (StanCOG), the SJVAPCD is responsible for formulating and implementing air pollution control strategies. The SJVAPCD's most recent air quality plans are the 2007 PM10 (respirable particulate matter) Maintenance Plan, the 2008 PM2.5 (fine particulate matter) Plan, and the 2007 Ozone Plan. These plans establish a comprehensive air pollution control program leading to the attainment of state and federal air quality standards in the SJVAB, which has been classified as "extreme non-attainment" for ozone, "attainment" for respirable particulate matter (PM-10), and "non-attainment" for PM 2.5, as defined by the Federal Clean Air Act.

The project proposes to develop 7.16± acres of a 17.6± acre parcel, located on the northeast corner of the Keyes Road and Central Avenue intersection, with a 12-pump fueling station, a 4,000± square-foot convenience store with an attached 2,500 square-foot car wash, and a 7,500± square-foot quick-serve restaurant with a drive-through, in two phases. In addition to the subdivision of the property,

Phase 1 of the proposed project will include the demolition of the existing 3,000 square-foot produce stand and construction of the fueling station, convenience store, car wash, trash enclosure, four underground storage tanks, and parking lot with 21 parking spaces. The fueling station is proposed to be open seven days a week, 24 hours per-day. A total of 10-12 employees is anticipated for the convenience store, with a maximum shift of four employees, with up to three shifts per-day. Access for the development under Phase 1 is proposed from Central Avenue via a 25-foot-wide driveway and from Keyes Road via a 36-foot-wide driveway. Construction under Phase 1 is anticipated to begin within two years of approval, if approved. Phase 2 will consist of construction of the quick-serve restaurant with a drive-through, a trash enclosure, and 37 additional parking spaces. Access for the development under Phase 2 will be taken from Central Avenue via a 25-foot-wide driveway. The quick-serve restaurant is proposed to operate seven days a week from 8:00 a.m. to 10:00 p.m. and with a total of 10-15 employees (five to six on a maximum shift with up to three shifts per-day).

A Trip Generation & VMT Screening Analysis was prepared for the project by Fehr & Peers on July 29, 2025. The project is projected to generate approximately 6,600 daily trips, including 659 trips during the AM peak hour and 522 during the PM peak hour upon full build out of both phases of development. After accounting for internal and pass-by trip reductions, the net-new trip estimates are 4,930 daily trips, 473 AM peak hour trips, and 374 PM peak hour trips. As of July 1, 2020, CEQA Guidelines Section 15064.3(b) states that the recommended metric for the evaluation of transportation impacts is VMT. It outlines the criteria for analyzing a project's transportation impacts. For land use projects, this section states that "vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact". A technical advisory on evaluating transportation impacts in CEQA published by the Governor's Office of Planning and Research (OPR) in December of 2018 states that local-serving retail developments typically reduce VMT by redistributing and shortening trips rather than generating new ones. As a result, such developments are generally considered to have a less-than-significant transportation impact. OPR defines locally serving retail as developments with a building floor area of less than 50,000 sq. ft. The proposed project, including the gas station, convenience store, carwash, and drive-through restaurant, has a combined floor area and gas station canopy under 50,000 sq. ft. Therefore, it can be categorized as a locally serving retail project and is presumed to have a less-than-significant VMT impact.

The primary source of air pollutants generated by this project would be classified as being generated from "mobile" sources. Mobile sources would generally include dust from roads, farming, and automobile exhausts. Mobile sources are generally regulated by the Air Resources Board of the California EPA which sets emissions for vehicles and acts on issues regarding cleaner burning fuels and alternative fuel technologies. As such, the District has addressed most criteria air pollutants through basin wide programs and policies to prevent cumulative deterioration of air quality within the Basin.

A referral response was received from the SJVAPCD which recommended that a more detailed preliminary review of the project be conducted for the project's construction and operational emissions to determine whether the project will exceed the District's thresholds of significance for carbon monoxide (CO), oxides of nitrogen (NOx), reactive organic gases (ROG), oxides of sulfur (SOx), and particulate matter (PM10 and PM2.5). Further, the SJVAPCD recommended other potential air impacts related to Toxic Air Contaminants, Ambient Air Quality Standards, and Hazards and Odors be addressed. The SJVAPCD recommended the project be evaluated for potential health impacts to surrounding receptors (on-site and off- site) resulting from operational and multiyear construction Toxic Air Contaminants (TAC) emissions and stated that a Health Risk Assessment

should evaluate the risk associated with sensitive receptors in the area and mitigate any potentially significant risk to help limit emission exposure to sensitive receptors. The SJVAPCD also recommended the County advise the applicant to utilize zero emission equipment. Additionally, SJVAPCD recommended that if emissions exceed 100 pounds per-day of any pollutant, an Ambient Air Quality Analysis (AAQA) be performed. The SJVAPCD recommended the environmental document include a discussion on the feasibility of implementing a Voluntary Emission Reduction Agreement (VERA) for pound to pound mitigation of emissions increases through a process that would require the applicant to provide funds to the SJVAPCD's incentive program which offers grants for projects that achieve emission reductions. Additionally, the SJVAPCD recommended that a development standard be placed on the project requiring the assessment and potential installation of particular matter emission control systems for new large restaurants operating under-fired char broilers. Urban greening, clean lawn and gardening equipment, on-site solar development and electric vehicle charging were also recommended by the SJVAPCD for the project.

The SJVAPCD response indicated the project will be subject to District Rule 2010 (Permits Required) and Rule 2201 (New and Modified Stationary Source Review) which requires an Authority to Construct (ATC) and Permit to Operate (PTO) permit for the project, Rule 9510 (Indirect Source Review) which requires the submittal of an Air Impact Application (AIA), Rule 4002 (National Emissions Standards for Hazardous Air Pollutants), Rule 4601 (Architectural Coatings), District Regulation VIII (Fugitive PM10 Prohibitions) which requires submittal of a dust control plan pursuant to District Rule 8021 (Construction, Demolition, Excavation, and Other Earthmoving Activities), and may be subject to Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations).

In response to the SJVAPCD's comments, an Air Quality, Health Risk Analysis, and Greenhouse Gas Technical Analysis (Analysis) was performed, dated February 16, 2026, by Richard Miller, Air Quality and Climate Change Specialist, Johnson Johnson and Miller Air Quality Consulting Services. The Analysis evaluated whether the estimated criteria air pollutant, ozone precursor, toxic air contaminant (TAC), and/or greenhouse gas (GHG) emissions generated from construction and/or operation of the project would cause significant impacts to air resources in the project area. The methodology followed the Guidance for Assessing and Mitigating Air Quality Impacts (GAMAQI) prepared by the SJVAPCD for the quantification of emissions and evaluation of potential impacts to air resources and the SJVAPCD's Guidance for Valley Land-Use Agencies in Addressing GHG Emission Impacts for New Projects under the California Environmental Quality Act (CEQA). The Analysis utilized the California Emissions Estimator Model (CalEEMod) for operational and construction related emissions, Emission Factor (EMFAC) for TAC emissions from operation, the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) for dispersion modeling, and Hot Spots Analysis & Reporting Program 2 (HARP2) for health risk metric calculations.

The Analysis modeled construction of the entire project (Phases 1 and 2) as a single phase in CalEEMod which represents a "worst-case" analysis scenario since emission factors for construction equipment decrease as the analysis year increases, due to improvements in technology and more stringent regulatory requirements. Therefore, construction emissions would be similar or decrease if the construction schedule moved to later years or is phased over multiple years. Default values based on the size of the construction area were used in CalEEMod for construction equipment as well as construction vehicle trips. The construction equipment included under CalEEMod's default values include tractors, loaders, backhoes, rubber-tired dozers, graders, scrapers, pavers, paving equipment, rollers, cement and mortar mixers, cranes, forklifts, generator sets, welders, and air

compressors. Construction vehicle trips per-day are estimated to be 141 trips per-day including worker trips, vendor trips, and haul trips per-day. The construction schedule used under the analysis includes 283 days of construction over the course of 12 months for the entirety of the project.

Direct operational emissions including motor vehicle emissions were developed using the assumptions consistent with the traffic memorandum prepared by Fehr and Peers dated July 29, 2025, and the use of CalEEMod's default vehicle fleet mix for Stanislaus County. CalEEMod defaults were used to estimate emission from area sources such as consumer products to be used over the operation of the project, architectural coatings, and landscape emissions. Indirect emissions including those emitted off-site associated with the project include energy use, water use, wastewater use and solid waste. Emissions associated with the building electricity and natural gas usage (non-hearth) were estimated based on the land use type and size, and CalEEMod defaults were used for electricity and water consumption, and solid waste disposal.

The following criteria air pollutants were assessed in the Analysis: reactive organic gases (ROG), oxides of nitrogen (NOX), carbon monoxide (CO), sulfur oxides (SOX), particulate matter less than 10 microns in diameter (PM10), and particulate matter less than 2.5 microns in diameter (PM2.5). The proposed commercial project, including gasoline and diesel fueling, would not include sources expected to generate substantial quantities of SOX emissions during construction or operation. There are no boilers, refineries, industrial combustion sources, or large stationary combustion sources proposed as part of the project. The Analysis includes SO2 emission estimates and determined no further analysis of SO2 is required. GHGs identified in the Analysis included those identified by AB 32, which includes carbon dioxide (CO2), methane (CH4), nitrous oxide (N2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF6), and nitrogen trifluoride (NF3). The proposed project would generate a variety of GHGs, including several defined by AB 32 such as CO2, CH4, and N2O. Certain GHGs defined by AB 32 would not be emitted by the proposed commercial project. HFCs, PFCs, SF6, and NF3 are typically used in industrial applications, none of which would be used for typical commercial or gasoline and diesel fueling operations. GHG emissions associated with the proposed project construction, as well as future operations were estimated using CO2 equivalent (CO2e) emissions as a proxy for all GHG emissions. Construction GHG emissions were amortized over the lifetime of the proposed project. In order to obtain the CO2e, an individual GHG is multiplied by its Global Warming Potential (GWP). The GWP designates on a pound for pound basis the potency of the GHG compared to CO2. TACs assessed under the Analysis included Diesel Particular Matter (DPM) represented as particulate matter that is 10 micrometers in diameter (PM10), asbestos, and Benzene.

Stanislaus County has not established specific CEQA significance thresholds regarding Air Quality or GHG emissions. The SJVAPCD thresholds for annual emission significance for regional impacts from operation and construction were utilized by the Analysis. The SJVAPCD thresholds include 100 tons per year CO, 27 tons per year SOX, 10 tons per year NOX, 10 tons per year ROG, 15 tons per year PM10 and 15 tons per year PM2.5 for regional impacts, and 100 pounds per-day of any criteria pollutant for localized impacts. The proposed project's combined construction and operational emissions per year are anticipated to be 24.65 tons per year CO, 4.66 tons per year NOX, 4.48 tons per year ROG, 4.42 tons per year PM10, and 1.19 tons per year of PM2.5. For localized impacts, the analysis estimated the following amount of emissions per-day: 92.63 pounds per-day CO, 25.37 pounds per-day NOX, 32.72 pounds per-day ROG, 6.19 pounds per-day PM10 and 2.65 pounds per-day PM2.5. Both regional annual emissions and per-day localized emission resulting from construction and operation of the project would not exceed SJVAPCD's regional criteria pollutant

emissions quantitative thresholds, or localized emissions quantitative thresholds. Therefore, based on the SJVAPCD's guidance, the construction and operational emissions would not cause an ambient air quality standard violation. As such, impacts would be less than significant. Additionally, sources requiring ATCs and PTOs will be required to comply with SJVAPCD best available control technology (BACT) requirements. Compliance with regulations would ensure that the project's stationary sources would not exceed SJVAPCD significance thresholds. The project would comply with all applicable SJVAPCD rules and regulations. Therefore, the proposed project would not conflict with or obstruct implementation of the applicable air quality attainment plan.

A Health Risk Assessment (HRA) was conducted under the Analysis. Health risks from TACs are a function of both concentration and duration of exposure. The project site is located within 1,000 feet of existing sensitive receptors (dwellings) that could be exposed to diesel emission exhaust during the construction period. The SJVAPCD's current thresholds of significance for TAC emissions is an increase in cancer risk for the maximally exposed individual of 20 in a million, and greater than or equal to 1.0 for chronic non-cancer hazard index and acute non-cancer hazard from maximum hourly exposure. A project-level assessment was conducted of the potential community health risk and health hazard impacts on surrounding sensitive receptors resulting from the emissions of TACs during construction and operation under the Analysis. The Analysis found that the maximum cancer risk from the project's combined construction and operational emissions would be 24.82 in one million parts which would exceed the applicable threshold of 20 in one million parts. The study recommend a mitigation measure be incorporated into the project to reduce diesel particulate matter (DPM) emissions during construction from off-road equipment, as construction-related emissions contribute to the overall cancer risk associated with the project. The proposed mitigation requires implementation of enhanced construction equipment standards, including the use of Tier 4 Final off-road engines and electric-powered small equipment when available, to reduce DPM emissions and associated health risks. With the mitigation in place, total exposure from combined project construction and operation would be 16.80 which is below the threshold of 20 in one million parts. Therefore, the combined construction and operational exposure would be less than significant after mitigation.

The review of the Analysis concluded that the project would not exceed SJVAPCD localized emission daily screening levels for any criteria pollutant during construction or operations. The project is not located in an area with suitable habitat for Valley fever spores and is not in an area known to contain naturally occurring asbestos. Although construction and operational health risks would be less than significant when evaluated independently, the combined construction and operational cancer risk would exceed the applicable health risk threshold prior to implementation of mitigation. Implementation of the mitigation would reduce construction-related diesel particulate matter emissions such that combined health risks would be less than significant. As such, with implementation of mitigation, the project would not result in significant impacts to sensitive receptors.

The Analysis found that there would not be conditions under which the project would have the potential to expose a substantial number of people to odors emitted from construction or operations of the project, and the impact would be less than significant.

The Analysis was referred to the SJVAPCD which responded on April 9, 2026 with a revised comment letter specifying that the project was not expected to exceed any of the significance thresholds identified by the SJVAPCD's GAMAQI, and that impacts to sensitive receptors based on the Health Risk Assessment (HRA) would not be significant with mitigation. Additionally, the

SJVAPCD provided recommend best management practices be applied to the project regarding kitchens with char broilers, urban greening, clean lawn and gardening equipment, on-site solar development, and electric vehicle charging. A development standard will be placed on the project requiring that the applicant be in compliance with the District's rules and regulations prior to issuance of a building, grading, or demolition permit, in addition to a development standard regarding the use of under-fired char broilers.

Impacts to Air Quality and health risk are considered to be less than significant and less than significant with mitigation incorporated specific to impacts to sensitive receptors.

Mitigation:

2. Prior to issuance of a grading or construction permit, the project developer/property owner shall submit documentation to the Stanislaus County Planning and Community Development Department demonstrating compliance with the following requirements:
    - Where portable diesel engines are use during construction, all off-road equipment with engines greater than 75 horsepower shall meet U.S. Environmental Protection Agency (EPA) or California Air Resources Board (CARB) Tier 4 Final off-road emission standards, unless otherwise specified herein. If Tier 4 Final equipment is not commercially available, the construction contractor shall use the next cleanest available off-road equipment (e.g., Tier 4 Interim) that is commercially available. For purposes of this measure, "commercially available" shall mean equipment that can be obtained taking into consideration factors such as (i) critical-path construction timing and (ii) geographic proximity of equipment suppliers to the project site. If Tier 4 Final equipment is determined to be unavailable, the contractor shall provide written documentation from at least two equipment rental companies for each applicable piece of equipment demonstrating that Tier 4 Final equipment is not commercially available.
    - Electric-powered equipment shall be used for small equipment (i.e., less than 50 horsepower), when such equipment is readily available and feasible for the intended construction activity.

The applicant/developer shall be responsible for providing, to the satisfaction of the Planning Director, documentation of the implementation of the aforementioned requirements. The applicant/developer shall be responsible for paying the County's actual costs of verifying compliance, based on the fully burdened weighted labor rates at the time of services rendered. If the County finds any of the applicable requirements have not been implemented, the applicant/developer shall implement said requirements within the time frame specified in writing by the County.

References: Application information; Trip Generation & VMT Screening Analysis for Proposed Keyes-Central Commercial Development in Stanislaus County, performed by Fehr & Peers, dated July 29, 2025; Air Quality, Health Risk Analysis, and Greenhouse Gas Technical Analysis, performed by Richard Miller, Air Quality and Climate Change Specialist, Johnson Johnson and Miller Air Quality Consulting Services, dated February 16, 2026; San Joaquin Valley Air Pollution Control District (SJVAPCD) referral response, dated November 10, 2025 and as revised on April 9, 2026; Governor's Office of Planning and Research Technical Advisory, December 2018; San Joaquin Valley Air

Pollution Control District - Regulation VIII Fugitive Dust/PM-10 Synopsis; www.valleyair.org; Stanislaus County General Plan and Support Documentation[1].

IV. BIOLOGICAL RESOURCES. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?			X	
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?			X	
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?			X	
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?			X	
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?			X	

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?			**X**	

Discussion: The project is located within the Ceres Quad of the California Natural Diversity Database (CNDDB). There are nine animals, two insects, and two plant species which are state or federally listed, threatened, or identified as species of special concern or a candidate of special concern within this quad. These species include the Swainsons hawk, prairie falcon, tricolored blackbird, burrowing owl, riffle sculpin, hardhead, steelhead – Central Valley DPS, Chinook salmon – Central Valley fall/late fall-run ESU, Townsends big-eared bat, Crotch's bumble bee, valley elderberry longhorn beetle, heartscale and subtle orache. There are no reported siting's of any of the aforementioned species on the project site; however, .37± miles to the north of the project site, located within the Riverbank Quad of the CNDDB, there have been the following occurrences noted in the database: two Crotch's bumble bees were collected in 1946, 1956 and in the vicinity of the Modesto area; valley elderberry longhorn beetle exit holes observed; three adult American bumble bees were collected in 1957, one adult in 1964, eight adult males and two adult females in 1975 and one adult female in 1977; and the CNDDB for the Riverbank Quad also notes information regarding possible collection of a moestan blister beetle, and separately, the collection of an obscure bumble bee in May of 1946. There is a very low likelihood that these species are present on the project site as it has already been disturbed for agricultural purposes and developed with various structures.

An Early Consultation project referral was sent to the California Department of Fish and Wildlife (formerly the Department of Fish and Game) and no response was received. The project will not conflict with a Habitat Conservation Plan, a Natural Community Conservation Plan, or other locally approved conservation plans. Impacts to endangered species or habitats, locally designated species, or wildlife dispersal or mitigation corridors are considered to be less than significant.

Mitigation: None.

References: Application information; California Department of Fish and Wildlife's Natural Diversity Database Quad Species List; California Natural Diversity Database, Planning and Community Development GIS, accessed August 6, 2026; Stanislaus County General Plan and Support Documentation[1].

V. CULTURAL RESOURCES. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource pursuant to in § 15064.5?			X	
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?			X	
c) Disturb any human remains, including those interred outside of formal cemeteries?			X	

Discussion: As this project is a General Plan Amendment it was referred to the tribes listed with the Native American Heritage Commission (NAHC), in accordance with SB 18, for a 90-day review period. No responses from the tribal contacts were received. The Muwekma Ohlone Tribe of the San Francisco (S.F.) Bay Area has requested consultation in accordance with AB 52 for all projects located west of the San Joaquin River. This project is not located in that area; accordingly, this project is not being sent to the Muwekma Ohlone S.F. Bay Area tribe. A records search for the project site formulated by the Central California Information Center (CCIC) indicated that there was a low probability of discovery of prehistoric resources, but there may be discovery of historical resources such as standing buildings 45 years or older and possibly subsurface historic-era archaeological features, such as domestic refuse and artifact deposits or building foundations, associated with earlier use on the project site. The CCIC recommended that a qualified historical resources consultant evaluate and formally record any building to be removed if it is 45 years old or older. The CCIC recommended further review for the possibility of identifying prehistoric or historic-era archaeological resources if ground disturbance is considered a part of the current project. No records were found that indicated the site contained any prehistoric, historic, or archeologic resources previously identified on-site. The report concluded that development standards be placed on the project requiring that if any historical resources are discovered during project-related activities, all work is to stop and the lead agency and a qualified professional are to be consulted to determine the importance and appropriate treatment of the find. If Native American remains are found, the County Coroner and the Native American Heritage Commission are to be notified immediately for recommended procedures. If human remains are uncovered, all work within 100 feet of the find should halt in compliance with Section 15064.5(e) (1) of the CEQA Guidelines and Public Resources Code Section 7060.5. Development standards will be added to the project to ensure these requirements are met.

Impacts to cultural resources are considered to be less than significant.

Mitigation: None.

References: Application information; Central California Information Center Report for the project site, dated July 2, 2024; Stanislaus County General Plan and Support Documentation[1].

VI. ENERGY. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			X	
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			X	

Discussion: The CEQA Guidelines Appendix F states that energy consuming equipment and processes, which will be used during construction or operation such as: energy requirements of the project by fuel type and end use, energy conservation equipment and design features, energy supplies that would serve the project, total estimated daily vehicle trips to be generated by the project, and the additional energy consumed per trip by mode, which shall be taken into consideration when evaluating energy impacts. Additionally, the project's compliance with applicable state or local energy legislation, policies, and standards must be considered.

All construction activities shall be in compliance with all SJVAPCD regulations and with Title 24, Green Building Code, which includes energy efficiency requirements. The operation at full-build out proposes to construct and install a 12-pump fueling station, a 4,000± square-foot convenience store on with an attached 2,500 square-foot car wash, a 7,500± square-foot quick-serve restaurant with a drive-through, two trash enclosures, four underground storage tanks, and 58 parking spaces all of which will require building and grading permits to be obtained. The 2016 California Green Building Standards Code (CALGreen Code) went into effect on January 1, 2017, and includes mandatory provisions applicable to all new residential, commercial, and school buildings. The intent of the CALGreen Code is to establish minimum statewide standards to significantly reduce the GHG emissions from new construction. With the requirements of meeting the Title 24, Green Building Code energy impacts from the project are considered to be less-than significant.

A Trip Generation & VMT Screening Analysis was prepared for the project by Fehr & Peers on July 29, 2025. The project is projected to generate approximately 6,600 daily trips, including 659 trips during the AM peak hour and 522 during the PM peak hour upon full build out of both phases of development. After accounting for internal and pass-by trip reductions, the net-new trip estimates are 4,930 daily trips, 473 AM peak hour trips, and 374 PM peak hour trips. As of July 1, 2020, CEQA Guidelines Section 15064.3(b) states that the recommended metric for the evaluation of transportation impacts is VMT. It outlines the criteria for analyzing a project's transportation impacts. For land use projects, this section states that "vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact". A technical advisory on evaluating transportation impacts in CEQA published by the Governor's Office of Planning and Research (OPR) in December of 2018 states that local-serving retail developments typically reduce VMT by redistributing and shortening trips rather than generating new ones. As a result, such developments

are generally considered to have a less-than-significant transportation impact. OPR defines locally serving retail as developments with a building floor area of less than 50,000 sq. ft. The proposed project, including the gas station, convenience store, carwash, and drive-through restaurant, has a combined floor area and gas station canopy under 50,000 sq. ft. Therefore, it can be categorized as a locally serving retail project and is presumed to have a less-than-significant VMT impact.

Energy consuming equipment and processes include construction and operational equipment, trucks, and the employee vehicles. As discussed in Section III – *Air Quality*, a referral response was received from the SJVAPCD indicating that emissions resulting from construction and operation of the project may exceed the District's thresholds of significance for carbon monoxide (CO), oxides of nitrogen (NOx), reactive organic gases (ROG), oxides of sulfur (SOx), (PM10), and particulate matter. The SJVAPCD recommended that a more detailed preliminary review of the project be conducted for the project's construction and operational emissions. An Air Quality, Health Risk Analysis, and Greenhouse Gas Technical Analysis (Analysis) was performed, dated February 16, 2026, by Richard Miller, Air Quality and Climate Change Specialist, Johnson Johnson and Miller Air Quality Consulting Services to study the health-related impacts and air quality impacts of the proposed project. Construction and operational emissions were analyzed with the California Emissions Estimator Model (CalEEMOD). The analysis evaluated construction and operational ROG, NOx, CO, SO2, PM10, and PM2.5 emissions. CalEEMod default equipment listing for general heavy industrial usages were utilized. Default horsepower, daily operating hours, and load factors were also used. The construction equipment evaluated included tractors, loaders, backhoes, rubber-tired dozers, graders, scrapers, pavers, paving equipment, rollers, cement and mortar mixers, cranes, forklifts, generator sets, welders, and air compressors. Construction vehicle trips were estimated to be 141 trips per-day including worker trips, vendor trips and haul trips per-day. The construction schedule used under the analysis includes 283 days of construction over the course of 12 months for the entirety of the project. Operational mobile sources include vehicle and truck trips as modeled under the Trip Generation & VMT Screening Analysis prepared by Fehr & Peers for the proposed project. The Analysis found that construction and operational health risks would be less than significant but found the project to potentially exceed the applicable health risk threshold; however this impact was determined to be less than significant with the application of mitigation which requires implementation of best practices. The construction equipment will be temporary in nature and is not anticipated to consume a significant amount of energy resources. The equipment to be utilized under the project will not have the potential to significantly contribute to an exceedance of state or federal Ambient Air Quality Standards. A more detailed discussion may be found in Section III – *Air Quality* of this document.

The GHG emissions resulting from the proposed project were also studied under the Analysis. The analysis identified GHG emissions resulting from both construction and operational activities under the proposed request. Construction emissions include contributions from on-site construction equipment, worker commutes, vendor trips, and material hauling to and from the project site. Operational emissions include long-term emissions resulting from the operation of the project, including utility usage and mobile sources as well. As discussed in further detail in Section VIII – *Greenhouse Gas Emissions*, the proposed project's GHG emissions resulting from construction are expected to be 320 MTCO2e per year. Total GHG emissions resulting from the operation of the project includes emissions from energy consumption, mobile vehicles, water usage, solid waste generation, refrigerants, and the amortized construction emissions divided over the life of the project which is estimated to be 30 years (320 MTCO2e/yr divided by 30 equals 10.7 MTCO2e/yr). Total operational emissions are estimated to be 4,973 MTCO2e/yr. Stanislaus County does not have locally adopted thresholds of significance regarding GHG emissions, therefore the Analysis evaluated

the consistency of the project with the State's 2030 target for GHG emissions, adopted State regulations, the SB 32 2017 Scoping Plan Update, and the 2022 Scoping Plan Actions and Strategies. The project's GHG emissions, both direct and indirect, would not result in a significant impact on the environment. In the absence of an adopted numeric GHG threshold consistent with the State's 2030 target, the determination of significance is based on the project's consistency with regulations and requirements adopted to implement statewide, regional, and local plans for the reduction or mitigation of GHG emissions. The project would comply with all applicable federal, State, and local regulations governing GHG emissions, including the California Building Standards (Title 24 and CALGreen).

The Analysis was referred to the SJVAPCD which responded on April 9, 2026, with a revised comment letter specifying that the project was not expected to exceed any of the significance thresholds identified by the SJVAPCD's GAMAQI and did not provide additional comments regarding significant impacts from GHG emissions or energy consumption. The SJVAPCD continued to recommend that a development standard be placed on the project requiring the assessment and potential installation of particular matter emission control systems for new large restaurants operating under-fired char broilers, urban greening, clean lawn and gardening equipment, on-site solar development and electric vehicle charging to be incorporated for the project. A development standard will be placed on the project requiring that the applicant be in compliance with the District's rules and regulations prior to issuance of a building, grading, or demolition permit, in addition to a development standard regarding the use of under-fired char broilers.

The project was referred to Turlock Irrigation District (TID) which responded that a 12kV distribution line is located along the north side of Keyes Road and is fed off a 12kV feeder line along the west side of Central Avenue. TID indicated that the developer may be responsible for offsite work for TID facilities to extend service to the northwest corner of Keyes Road and Central Avenue intersection. The developer will be responsible for providing and installing all substructures per TID design specifications. A ten-foot public utility easement must be dedicated along all street frontages. The owner/developer must apply for a facility change for any pole or electrical facility relocation, and facility changes are performed at developer's expense. TID requested the front building setback to be a minimum of 15-feet from the property line and a minimum of 15-feet from the back-of-sidewalk to enable the safe placement of utilities. TID's comments will be placed on the project as development standards.

It does not appear that this project will result in significant impacts to the wasteful, inefficient, or unnecessary consumption of energy resources. A development standard will be added to this project to address compliance with Title 24, Green Building Code, for projects that require energy efficiency. Additionally, a development standard will be added requiring any site lighting to meet industry standards for energy efficiency.

Impacts to energy are considered to be less than significant.

Mitigation: None.

References: Application information; Trip Generation & VMT Screening Analysis for Proposed Keyes-Central Commercial Development in Stanislaus County, performed by Fehr & Peers, dated July 29, 2025; Air Quality, Health Risk Analysis, and Greenhouse Gas Technical Analysis, performed by Richard Miller, Air Quality and Climate Change Specialist, Johnson Johnson and Miller Air Quality Consulting Services, dated February 16, 2026; San Joaquin Valley Air Pollution Control District

(SJVAPCD) referral response, dated November 10, 2025 and as revised on April 9, 2026; Referral response from Turlock Irrigation District (TID), dated November 21, 2025; Governor's Office of Planning and Research Technical Advisory, December 2018; San Joaquin; 2016 California Green Building Standards Code Title 24, Part 11(Cal Green); 2016 California Energy Code Title 24, Part 6; Stanislaus County General Plan and Support Documentation[1].

VII. GEOLOGY AND SOILS. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:			X	
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.			X	
ii) Strong seismic ground shaking?			X	
iii) Seismic-related ground failure, including liquefaction?			X	
iv) Landslides?			X	
b) Result in substantial soil erosion or the loss of topsoil?			X	
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?			X	
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?			X	
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?			X	
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?			X	

Discussion: The USDA Natural Resources Conservation Service's Eastern Stanislaus County Soil Survey indicates that approximately 75% of the project site is comprised of Dinuba sandy loam (DsA), with zero to one percent slopes, and 25% Dinuba sandy loam (DrA), with zero to one percent slopes. As contained in Chapter 5 of the General Plan Support Documentation, the areas of the County subject to significant geologic hazard are located in the Diablo Range, west of Interstate 5; however, as per the California Building Code, all of Stanislaus County is located within a geologic hazard zone (Seismic Design Category D, E, or F) and a soils test may be required at building permit application. Results from the soils test will determine if unstable or expansive soils are present. If such soils are present, special engineering of the structure will be required to compensate for the soil deficiency. Any structures resulting from this project will be designed and built according to building standards appropriate to withstand shaking for the area in which they are constructed. A grading permit will be required for the project subject to Public Works review and Standards and Specifications. Additionally, as part of the grading permit submittal, a WDID (Waste Discharge Identification) Number issued by the State of California and a copy of the Notice of Intent (NOI) will be required to be submitted prior to plan approval and/or issuance of a grading permit. Likewise, any addition or expansion of a well or septic tank would require the approval of the Department of Environmental Resources (DER) through the building permit process, which also takes soil type into consideration within the specific design requirements. DER, Public Works, and the Building Permits Division review and approve any building or grading permit to ensure their standards are met. Development standards regarding these standards will be applied to the project and will be triggered when a grading or building permit is requested.

It does not appear that this project will result in significant impacts to any paleontological resources or unique geologic features. Development standards applicable to development of the parcels regarding the discovery of such resources during the construction process will be added to the project. The project site is not located near an active fault or within a high earthquake zone. Landslides are not likely due to the flat terrain of the area. Impacts to Geology and Soils are considered to be less than significant.

Mitigation: None.

References: Application information; Referral response from the Department of Environmental Resources (DER), dated November 10, 2025; Stanislaus County General Plan and Support Documentation[1].

VIII. GREENHOUSE GAS EMISSIONS. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			X	

Discussion: The principal Greenhouse Gasses (GHGs) are carbon dioxide (CO2), methane (CH4), nitrous oxide (N2O), sulfur hexafluoride (SF6), perfluorocarbons (PFCs), hydrofluorocarbons (HFCs), and water vapor (H2O). CO2 is the reference gas for climate change because it is the predominant greenhouse gas emitted. To account for the varying warming potential of different GHGs, GHG emissions are often quantified and reported as CO2 equivalents (CO2e). In 2006, California passed the California Global Warming Solutions Act of 2006 (Assembly Bill [AB] No. 32), which requires the California Air Resources Board (ARB) design and implement emission limits, regulations, and other measures, such that feasible and cost-effective statewide GHG emissions are reduced to 1990 levels by 2020. Two additional bills, SB 350 and SB32, were passed in 2015 further amending the states Renewables Portfolio Standard (RPS) for electrical generation and amending the reduction targets to 40% of 1990 levels by 2030.

Phase 1 of the proposed project will include the demolition of the existing 3,000 square-foot produce stand and construction of a 12-pump fueling station, a 4,000± square-foot convenience store with an attached 2,500 square-foot car wash, a trash enclosure, four underground storage tanks, and 21 parking spaces. The fueling station is proposed to be open seven days a week, 24 hours per-day. A total of 10-12 employees are anticipated for the convenience store, with a maximum shift of four employees, with up to three shifts per-day. Construction under Phase 1 is anticipated to begin within two years of approval, if approved. Phase 2 will consist of construction of a 7,500± square-foot quick-serve restaurant with a drive-through, a trash enclosure, and 37 parking spaces. The quick-serve restaurant is proposed to operate seven days a week from 8:00 a.m. to 10:00 p.m. and with a total of 10-15 employees (five to six on a maximum shift with up to three shifts per-day). The development Construction under Phase 2 is anticipated to begin within five years of approval, after the completion of Phase 1.

A Trip Generation & VMT Screening Analysis was prepared for the project by Fehr & Peers on July 29, 2025. The project is projected to generate approximately 6,600 daily trips, including 659 trips during the AM peak hour and 522 during the PM peak hour upon full build out of both phases of development. After accounting for internal and pass-by trip reductions, the net-new trip estimates are 4,930 daily trips, 473 AM peak hour trips, and 374 PM peak hour trips. As required by CEQA Guidelines Section 15064.3, potential impacts regarding Green House Gas Emissions should be evaluated using Vehicle Miles Traveled (VMT). The calculation of VMT is the number of cars/trucks

multiplied by the distance traveled by each car/truck. Stanislaus County has currently not adopted any significant thresholds for VMT, and projects are treated on a case-by-case basis for evaluation under CEQA. However, the State of California - Office of Planning and Research (OPR) has issued guidelines regarding VMT significance under CEQA. One of the guidelines, presented in the December 2018 document Technical Advisory on Evaluating Transportation Impacts in CEQA, states that local-serving retail developments typically reduce VMT by redistributing and shortening trips rather than generating new ones. As a result, such developments are generally considered to have a less-than-significant transportation impact. OPR defines locally serving retail as developments with a building floor area of less than 50,000 square feet. The proposed project, including the gas station, convenience store, carwash, and drive-through restaurant, has a combined floor area and gas station canopy under 50,000 square feet. Therefore, it can be categorized as a locally serving retail project and is presumed to have a less-than-significant VMT impact.

As mentioned in Section III – *Air Quality*, a referral response was received from the SJVAPCD which recommended that a more detailed preliminary review of the project be conducted for the project's construction and operational emissions to determine if the project would exceed any of the significance thresholds as identified in the SJVAPCD's Guidance for Assessing and Mitigating Air Quality Impacts (GAMAQI), including: 100 tons per-year of carbon monoxide (CO), ten tons per-year of oxides of nitrogen (NOx), ten tons per-year of reactive organic gases (ROG), 27 tons per-year of oxides of sulfur (SOx), 15 tons per-year of particulate matter of ten microns or less in size (PM10), or 15 tons per-year of particulate matter of 2.5 microns or less in size (PM2.5). The SJVAPCD response indicated the project will be subject to District Rule 2010 (Permits Required) and Rule 2201 (New and Modified Stationary Source Review) which requires an Authority to Construct (ATC) and Permit to Operate (PTO) permit for the project, Rule 9510 (Indirect Source Review) which requires the submittal of an Air Impact Application (AIA), Rule 4002 (National Emissions Standards for Hazardous Air Pollutants), Rule 4601 (Architectural Coatings), District Regulation VIII (Fugitive PM10 Prohibitions) which requires submittal of a dust control plan pursuant to District Rule 8021 (Construction, Demolition, Excavation, and Other Earthmoving Activities), and may be subject to Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations).

In response to the SJVAPCD's comments, an Air Quality, Health Risk Analysis, and Greenhouse Gas Technical Analysis (Analysis) was performed, dated February 16, 2026, by Richard Miller, Air Quality and Climate Change Specialist, Johnson Johnson and Miller Air Quality Consulting Services. The Analysis evaluated whether the estimated criteria air pollutant, ozone precursor, toxic air contaminant (TAC), and/or greenhouse gas (GHG) emissions generated from construction and/or operation of the project would cause significant impacts to air resources in the project area. As mentioned in Section III – *Air Quality* the project is not anticipated to exceed significance thresholds for impacts on ambient air quality; however, the Analysis found that the maximum cancer risk from the project's combined construction and operational emissions would be 24.82 in one million parts which would exceed the applicable threshold of 20 in one million parts. The Analysis proposed a mitigation measure requiring implementation of enhanced construction equipment standards, including the use of Tier 4 Final off-road engines and electric-powered small equipment when available, to reduce DPM emissions and associated health risks. With the mitigation in place, total exposure from combined project construction and operation would be 16.80 in one million parts which is below the threshold of 20 in one million parts. Therefore, the combined construction and operational exposure was found by the Analysis to be less than significant after mitigation.

GHGs identified in the Analysis included those identified by AB 32, which includes carbon dioxide (CO2), methane (CH4), nitrous oxide (N2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF6), and nitrogen trifluoride (NF3). The proposed project would generate a variety of GHGs, including several defined by AB 32 such as CO2, CH4, and N2O. Certain GHGs defined by AB 32 would not be emitted by the proposed commercial project. HFCs, PFCs, SF6, and NF3 are typically used in industrial applications, none of which would be used for typical commercial or gasoline and diesel fueling operations. GHG emissions associated with the proposed project construction, as well as future operations were estimated using CO2 equivalent (CO2e) emissions as a proxy for all GHG emissions. Construction GHG emissions were amortized over the lifetime of the proposed project. In order to obtain the CO2e, an individual GHG is multiplied by its Global Warming Potential (GWP). The GWP designates on a pound for pound basis the potency of the GHG compared to CO2. TACs assessed under the Analysis included Diesel Particular Matter (DPM) represented as particulate matter that is 10 micrometers in diameter (PM10), asbestos, and Benzene. The analysis identified GHG emissions resulting from both construction and operational activities under the proposed request. Construction emissions include contributions from on-site construction equipment, worker commutes, vendor trips, and material hauling to and from the project site. Operational emissions include long-term emissions resulting from the operation of the project, including utility usage and mobile sources as well. The proposed project's GHG emissions resulting from construction are expected to be 320 MTCO2e per year. Total GHG emissions resulting from the operation of the project includes emissions from energy consumption, mobile vehicles, water usage, solid waste generation, refrigerants, and the amortized construction emissions divided over the life of the project which is estimated to be 30 years (320 MTCO2e/yr divided by 30 equals 10.7 MTCO2e/yr). Total operational emissions are estimated to be 4,973 MTCO2e/yr. Stanislaus County does not have locally adopted thresholds of significance regarding GHG emissions, therefore the Analysis evaluated the consistency of the project with the State's 2030 target for GHG emissions, adopted State regulations, and both the 2017 and 2022 Scoping Plan Actions and Strategies. The Analysis found that the project's GHG emissions, both direct and indirect, would not result in a significant impact on the environment. In the absence of an adopted numeric GHG threshold consistent with the State's 2030 target, the determination of significance is based on the project's consistency with regulations and requirements adopted to implement statewide, regional, and local plans for the reduction or mitigation of GHG emissions. The project would comply with all applicable federal, State, and local regulations governing GHG emissions, including the California Building Standards (Title 24 and CALGreen). Given the project's adherence to applicable regulatory requirements and its consistency with relevant GHG reduction plans, the Analysis concluded that impacts related to GHG emissions are considered less than significant.

The Analysis was referred to the SJVAPCD which responded on April 9, 2026 with a revised comment letter specifying that the project was not expected to exceed any of the significance thresholds identified by the SJVAPCD's GAMAQI and did not provide additional comments regarding significant impacts from GHG emissions. A development standard will be placed on the project requiring that the applicant be in compliance with the District's rules and regulations prior to issuance of a building, grading, or demolition permit, in addition to a development standard regarding the use of under-fired char broilers. Consequently, GHG emissions associated with this project are considered to be less than significant.

Mitigation: None.

References: Application information; Trip Generation & VMT Screening Analysis for Proposed Keyes-Central Commercial Development in Stanislaus County, performed by Fehr & Peers, dated July 29, 2025; Air Quality, Health Risk Analysis, and Greenhouse Gas Technical Analysis, performed by Richard Miller, Air Quality and Climate Change Specialist, Johnson Johnson and Miller Air Quality Consulting Services, dated February 16, 2026; San Joaquin Valley Air Pollution Control District (SJVAPCD) referral response, dated November 10, 2025 and as revised on April 9, 2026; Referral response from Turlock Irrigation District (TID), dated November 21, 2025; Governor's Office of Planning and Research Technical Advisory, December 2018; San Joaquin; 2016 California Green Building Standards Code Title 24, Part 11(Cal Green); 2016 California Energy Code Title 24, Part 6; Stanislaus County General Plan and Support Documentation[1].

IX. HAZARDS AND HAZARDOUS MATERIALS. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			X	
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			X	
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?			X	
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?			X	
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?			X	
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?			X	
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?			X	

Discussion: This request includes the demolition of the existing 3,000 square-foot produce stand and construction of a 12-pump fueling station, a 4,000± square-foot convenience store with an attached 2,500 square-foot car wash, a trash enclosure, four underground storage tanks, and 21

parking spaces under Phase 1. Phase 2 will consist of construction of a 7,500± square-foot quick-serve restaurant with a drive-through, a trash enclosure, and 37 parking spaces.

The Stanislaus County Department of Environmental Resources (DER) is responsible for overseeing hazardous materials. A referral response from the DER Hazardous Materials (Haz Mat) Division is requiring the developer conduct a Phase I or Phase II study prior to the issuance of a grading permit to determine if organic pesticides or metals exist on the project site. The Haz Mat requested that they be contacted should any underground storage tanks, buried chemicals, buried refuse, or contaminated soil be discovered during grading or construction. These comments will be reflected through the application of development standards. The facility will be required to obtain all required hazardous materials permits through Haz Mat, including but not limited to submission of hazardous materials Business information into the California Electronic Reporting System (CERS), preparation of a Risk Management Prevention Program which must be implemented prior to operation of the facility, and compliance with the County's UST/AST program.

Gasoline and diesel tanks are heavily regulated by the federal Environmental Protection Agency (EPA) and State Water Resources Control Board, as well as the local regulatory agency, such as, the Haz Mat Division and Fire Departments. As the lead entity for the Underground Storage Tank (UST) and Above Storage Tank (AST) Programs, Haz Mat reviews, approves, and monitors the construction, operation, repair and removals of UST or AST systems in Stanislaus County. The UST and AST programs are in place in order to protect the environment and groundwater from contamination resulting from UST/ASTs. Each UST/AST site is inspected annually as mandated by State law. Depending on the end uses, the gas station may include EV charging stations. At the time of construction, including the installation of fuel tanks, all applicable building, fire, and hazardous material codes will need to be meet as part of the permitting process. Permitting and compliance with Haz Mat's UST/AST Programs and all applicable state or federal permitting will be applied to the project as development standards.

The retail and convenience store will be subject to submitting food facility plans to DER for review and approval, which would require conformance with any local or State requirements for grease interceptors or char broilers. The food facility will also need to meet the Air District's standards for chain-driven (CD) and underfired (UF) char broilers and for Gasoline dispensing facilities (GDFs). These requirements will be applied as development standards for the project.

A referral from the DER Environmental Health Division was also received regarding wastewater generated from the carwash. DER stated that the resulting wastewater cannot be disposed into the on-site waste treatment system (OWTS); only domestic wastewater may be discharged to the OWTS. DER requires a closed-loop system for the carwash should be used, and if unfeasible, the wastewater resulting from the carwash must be tested for possible contaminants. The comments received from DER will be added to the project as development standards.

Pesticide exposure is a risk in areas located in the vicinity of agriculture. Sources of exposure include contaminated groundwater from drift from spray applications. Application of sprays is strictly controlled by the Agricultural Commissioner and can only be accomplished after first obtaining permits. Additionally, agricultural buffers are intended to reduce the risk of spray exposure to surrounding people. The County's Agricultural Element's Agricultural Buffer Guidelines states that new or expanding uses approved by discretionary permit in the A-2 zoning district or on a parcel adjoining the A-2 zoning district should incorporate a minimum 150-foot-wide agricultural buffer setback, or 300-foot-wide buffer setback for people intensive uses, to physically avoid conflicts

between agricultural and non-agricultural uses. Public roadways, utilities, drainage facilities, rivers and adjacent riparian areas, landscaping, parking lots, and similar low people intensive uses are permitted uses within the buffer setback area. Based on the proposed use a 300-foot-wide buffer for people intensive uses would be required, however, the applicant has proposed an alternative buffer for compliance with the policy. The proposed project meets the 300-foot-wide buffer to the east of the development; however, the project will not meet the buffer requirements on the north, west, or south sides of the project area. The applicant proposes an alternative buffer of 150-foot setback area from the parcels across Central Avenue to the west and across East Keyes Road to the south, as well as an evergreen hedge, and a variety of trees and shrubs along the frontage of Central Avenue and East Keyes Road, as their alternative. To the north, the applicant proposes a no-buffer alternative and is not proposing landscaping along the property line or fencing as the TID canal abuts the proposed parcel to the north of the development creating a barrier between the parcel to be developed and the adjacent proposed remainder parcel to the north. The project was referred to the Stanislaus County Agricultural Commissioner, and no comments have been received to date.

The project site is not listed on the EnviroStor database managed by the CA Department of Toxic Substances Control or within the vicinity of any airport. The site is located in a Local Responsibility Area (LRA) for fire protection and is served by Keyes Fire Protection District. The project was referred to the Keyes Fire Protection District, and no comments have been received to date. The project site is not within the vicinity of any wildlands. With permitting requirements in place, hazards and hazardous materials impacts from the project are considered to be less than significant.

Mitigation: None.

References: Application information; Referral response received from the Department of Environmental Resources, Hazardous Materials Division, dated November 10, 2025; Referral response received from the Department of Environmental Resources, Environmental Health Division, dated November 10, 2025; Stanislaus County General Plan and Support Documentation[1].

X. HYDROLOGY AND WATER QUALITY. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?			X	
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?			X	
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:			X	
i) result in substantial erosion or siltation on- or off-site;			X	
ii) substantially increase the rate of amount of surface runoff in a manner which would result in flooding on- or off-site;			X	
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or			X	
iv) impede or redirect flood flows?			X	
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?			X	
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?			X	

Discussion: The project has proposed a new well and private onsite septic system to serve the use of the commercial development, which includes a convenience market, gas station, car wash, drive-through restaurant, and irrigation of landscaped area. The well will be required to be permitted as a new public water system. Stormwater capture for off-site stormwater runoff will take place within a proposed French drain along the southwest corner of the proposed 7.16± acre parcel. On-site

stormwater runoff is proposed to be handled under two options which include a French drain along the north property line, or a retention basin located within the middle of the 7.16± acre parcel.

A development standard will be added to the project requiring that the Stanislaus County Department of Public Works review and approve a grading, drainage, and erosion/sediment control plan for the project including a Storm Water Pollution Prevention Plan (SWPPP). Additionally, any construction will be reviewed under the Building Permit process and must be reviewed and approved by DER and adhere to current Local Agency Management Program (LAMP) standards which requires minimum setbacks between septic systems and wells to prevent negative impacts to groundwater quality.

The Sustainable Groundwater Management Act (SGMA), passed in 2014 requires the formation of local Groundwater Sustainability Agencies (GSAs) to oversee the development and implementation of Groundwater Sustainability Plans (GSPs), with the ultimate goal of achieving sustainable management of the state's groundwater basins. Stanislaus County is a participating member in five GSAs across four groundwater subbasins, including: the Eastern San Joaquin Groundwater Subbasin, which covers a portion of Stanislaus County occurring north of the Stanislaus River; commonly referred to as the "northern triangle"; the Modesto Groundwater Subbasin, which covers an area of land located between the Stanislaus and Tuolumne rivers, occurring west of the Sierra Nevada foothills and east of the San Joaquin River; the Turlock Groundwater Subbasin which covers an area of land located between the Tuolumne and Merced rivers, occurring west of the Sierra Nevada Foothills and occurring east of the San Joaquin River; and the Delta-Mendota Groundwater Subbasin which covers an area of land within Stanislaus County located west of the San Joaquin River and east of the basement rock of the Coast Range. Public and private water agencies and user groups within each of the four groundwater subbasins work together as GSAs to implement SGMA. The project site is located in West Turlock Subbasin, which is administered by the West Turlock Subbasin GSA. The project was referred to the West Turlock Subbasin GSA, and no comments were received regarding the proposed project.

Stanislaus County adopted a Groundwater Ordinance in November 2014 (Chapter 9.37 of the County Code, hereinafter, the "Ordinance") that codifies requirements, prohibitions, and exemptions intended to help promote sustainable groundwater extraction in unincorporated areas of the County. The Ordinance prohibits the unsustainable extraction of groundwater and makes issuing permits for new wells, which are not exempt from this prohibition, discretionary. For unincorporated areas covered in an adopted GSP pursuant to SGMA, the County can require holders of permits for wells it reasonably concludes are withdrawing groundwater unsustainably to provide substantial evidence that continued operation of such wells does not constitute unsustainable extraction and has the authority to regulate future groundwater extraction.

The California Safe Drinking Water Act (California Health and Safety Code (CHSC) Section 116275(h)) defines a Public Water System as a system for the provision of water for human consumption through pipes or other constructed conveyances that has 15 or more service connections or regularly serves at least 25 individuals daily at least 60 days out of the year. A public water system includes the following:

1. Any collection, treatment, storage, and distribution facilities under control of the operator of the system that are used primarily in connection with the system.

2. Any collection or pretreatment storage facilities not under the control of the operator that are used primarily in connection with the system.

3. Any water system that treats water on behalf of one or more public water systems for the purpose of rendering it safe for human consumption.

A referral response received from DER indicated that the proposed well for the project site will meet the definition of a Public Water System as defined in California Health and Safety Code Section 116275(h). To become a Public Water System, the applicant must submit an application for a water supply permit with the associated technical report to Stanislaus County DER which will determine if the well water meets State of California mandated standards for water quality and must also obtain concurrence from the State of California Water Resources Control Board (SWRCB), Drinking Water Division, in accordance to CHSC Section 116527 (SB1263). If the well water does not meet State of California standards, the applicant may need to either drill a new well or install a water treatment system for the new well. Title 22 compliant well testing will take place during the initial drilling process. Potential contaminants of concern that would require treatment include Total Dissolved Solids and similar naturally occurring minerals, Hexavalent Chromium, Arsenic, organic compounds, and Nitrates. This requirement of issuance for a water supply permit will be added as a development standard, to be met prior to issuance of a building permit.

Areas subject to flooding have been identified in accordance with the Federal Emergency Management Act (FEMA). The project site is located in FEMA Flood Zone X, which includes areas determined to be outside the 0.2 percent annual chance floodplains and, as such, exposure to people or structures to a significant risk of loss/injury/death involving flooding due to levee/dam failure and/or alteration of a watercourse, at this location is not an issue with respect to this project. Flood zone requirements are enforced through the building permit process. The Building Permits Division also reviews building permits and determines if geotechnical reports are required with submission of building permits. A requirement to obtain all applicable building permits will be incorporated into the project's development standards.

The Central Valley Regional Water Quality Control Board (CVRWQCB) provided a referral response requesting that the applicant coordinate with their agency to determine if any permits or Water Board requirements be obtained/met prior to operation. Development standards will be added to the project requiring the applicant comply with this request prior to issuance of a building or grading permit.

The project site is bisected by the Lower Lateral 2 ½ Turlock Irrigation District (TID) canal and receives irrigation water from TID. The project was referred to TID which responded requiring a minimum 6-foot-tall solid masonry or concrete wall, to be installed next to TID's right-of-way along the canal, per District standards and specifications; that an easement centered on a private pipeline located on the east side of the northern proposed remainder parcel be recorded for the benefit of downstream users; that TID review and approve all maps and plans of the project; and that any improvements to this property which impact irrigation facilities be subject to TID's approval and meet all standards and specifications. If it is determined that irrigation facilities will be impacted, the applicant will need to provide irrigation improvement plans and enter into an Irrigation Improvements Agreement for the required irrigation facility modifications. Additionally, TID commented that all work on irrigation facilities only be performed during the non-irrigation season (typically from November 1 – March 1). TID's comments will be placed on the project as Development Standards.

Impacts to hydrology and water quality are considered to be less-than significant.

Mitigation: None.

References: Application information; Central Valley Regional Water Quality Control Board (CVRWQCB), dated November 5, 2025; West Turlock Subbasin and East Turlock Subbasin Groundwater Sustainability Agencies (GSAs) Turlock Subbasin Groundwater Sustainability Plan (GSP) First Annual Report Water Year 2022; Referral response received from the Department of Environmental Resources – Environmental Health Division, dated November 10, 2025; Referral response from the Department of Environmental Resources – Groundwater Division, dated November 17, 2025; County General Plan and Support Documentation[1].

XI. LAND USE AND PLANNING. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Physically divide an established community?			X	
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?			X	

Discussion: This is a request to amend the General Plan and zoning designation of a 7.16± acre portion of a 17.6± acre parcel from Agriculture and General Agriculture (A-2-40) to Planned Development (P-D), and to subdivide the parcel into a 7.16± acre parcel and a 10.44± acre designated remainder. The project proposes to develop the 7.16± acres, located on the northeast corner of the Keyes Road and Central Avenue intersection, with a 12-pump fueling station, a 4,000± square-foot convenience store with an attached 2,500 square-foot car wash, and a 7,500± square-foot quick-serve restaurant with a drive-through, in two phases. The remainder will remain designated as Agriculture and zoned General Agriculture (A-2-40); no improvements are proposed on the remainder under this request.

As stated by the Introduction to the General Plan, General Plan Amendments affect the entire County and any evaluation must give primary concern to the County as a whole; therefore, a fundamental question must be asked in each case: "Will this amendment, if adopted, generally improve the economic, physical and social well-being of the County in general?" Additionally, the County in reviewing General Plan amendments shall consider how the levels of public and private service might be affected; as well as how the proposal would advance the long-term goals of the County. In each case, in order to take affirmative action regarding a General Plan Amendment application, it must be found that the General Plan Amendment will maintain a logical land use pattern without detriment to existing and planned land uses and that the County and other affected government agencies will be able to maintain levels of service consistent with the ability of the government agencies to provide a reasonable level of service. In the case of a proposed amendment to the Land Use diagrams of the

Land Use Element, an additional finding that the amendment is consistent with the goals and policies of the General Plan must also be made. Additionally, Goal 2 of the Land Use Element aims to ensure compatibility between land uses.

The Land Use Element describes the Planned Development designation as a designation intended for land which, because of demonstrably unique characteristics, may be suitable for a variety of uses without detrimental effects on other property. The Land Use Element also requires that the Agricultural Element's Conversion Criteria (Goal 2, Policy 2.7) be met when converting agricultural land to non-agricultural uses. The project is subject to the agricultural buffer requirements included in Appendix A of the Agricultural Element. Section II – *Agricultural Resources* contains the full discussion on the Stanislaus County's General Plan Conversion Criteria and ag buffer requirements.

The project will not physically divide an established community nor conflict with any habitat conservation plans.

Mitigation: None.

References: Application information; Stanislaus County Zoning Ordinance (Title 21); Stanislaus County General Plan and Support Documentation[1].

XII. MINERAL RESOURCES. Would the project:	**Potentially Significant Impact**	**Less Than Significant With Mitigation Incorporated**	**Less Than Significant Impact**	**No Impact**
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?			**X**	
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?			**X**	

Discussion: The location of all commercially viable mineral resources in Stanislaus County has been mapped by the State Division of Mines and Geology in Special Report 173. There are no known significant resources on the site, nor is the project site located in a geological area known to produce resources.

Mitigation: None.

References: Application information; Stanislaus County General Plan and Support Documentation[1].

XIII. NOISE. Would the project result in:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			X	
b) Generation of excessive groundborne vibration or groundborne noise levels?			X	
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?			X	

Discussion: The proposed development anticipates the hours of operation for the fueling station to be seven days a week, 24 hours per-day. The convenience store is anticipated to be open seven days a week from 5:00 a.m. to midnight. A total of 10-12 employees are anticipated for the convenience store, with a maximum shift of four employees, with up to three shifts per-day. The drive-through restaurant under Phase 2 is proposed to operate seven days a week from 8:00 a.m. to 10:00 p.m. The drive-through restaurant is expected to have a total of 10-15 employees with a maximum shift of five to six employees at a time, with up to three shifts per-day. The project is projected to generate approximately 6,600 daily trips, including 659 trips during the AM peak hour and 522 during the PM peak hour upon full build out of both phases of development.

The Stanislaus County General Plan identifies noise levels up to 75 dB Ldn (or CNEL) as the normally acceptable level of noise for industrial and agricultural uses. The Stanislaus County General Plan identifies noise levels for residential or other noise-sensitive land uses of up to 55 hourly Leq, dBA and 75 Lmax, dBA from 7 a.m. to 10 p.m. and 45 hourly Leq, dBA and 65 Lmax, dBA from 10 p.m. to 7 a.m. Pure tone noises, such as music, shall be reduced by five dBA; however, when ambient noise levels exceed the standards, the standards shall be increased to the ambient noise levels. The closest sensitive noise receptors is a residence located approximately 108± feet from the proposed development to the west across Central Avenue. On-site grading and construction may result in a temporary increase in the area's ambient noise levels; however, noise impacts associated with on-site activities and traffic are not anticipated to exceed the normally acceptable level of noise.

The site itself is impacted by noise generated by vehicular traffic on Central Avenue and Keyes Road, and neighboring agricultural operations.

The site is not located within an airport land use plan. Impacts associated with noise are considered to be less than significant.

Mitigation: None.

References: Application information; Stanislaus County Noise Ordinance; Trip Generation & VMT Screening Analysis for Proposed Keyes-Central Commercial Development in Stanislaus County, performed by Fehr & Peers, dated July 29, 2025; Stanislaus County General Plan and Support Documentation[1].

XIV. POPULATION AND HOUSING. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?			X	
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?			X	

Discussion: The site is not included in the vacant sites inventory for the 2023 Stanislaus County Housing Element, which covers the 6th cycle Regional Housing Needs Allocation (RHNA) for the County and will therefore not impact the County's ability to meet their RHNA. No population growth will be induced, nor will any existing housing be displaced as a result of this project.

Mitigation: None.

References: Application information; Stanislaus County General Plan and Support Documentation[1].

XV. PUBLIC SERVICES. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Result in the substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
Fire protection?			X	
Police protection?			X	
Schools?			X	
Parks?			X	
Other public facilities?			X	

Discussion: This project was circulated to all applicable school, fire, police, irrigation, and public works departments and districts during the early consultation referral period including Keyes Fire Protection District, the Stanislaus County Sheriff's Office, Ceres Unified School District, Stanislaus County Public Works Department, Caltrans and the Turlock Irrigation District (TID).

As discussed in full within Section X – *Hydrology and Water Quality*, the project has proposed to develop a public water system for the use of the commercial development, which would include a convenience market, gas station, car wash, drive-through restaurant, and irrigation of landscaped area. The well will require a water supply permit to be obtained. A Water Supply permit is required to be obtained from the Stanislaus County Department of Environmental Resources prior to issuance of a certificate of occupancy. Additionally, the proposed buildings/any new building will require a new OTWS to be designed according to DER standards and shall be by individual Primary and Secondary wastewater treatment units, operated under conditions and guidelines established by Measure X. All applicable Local Agency Management Program (LAMP) standards and required setbacks are to be met. Additionally, Wastewater generated from the carwash cannot be disposed into the OWTS. The comments received from DER will be added to the project as development standards.

The project was referred to the Stanislaus County Department of Public Works; however, no response was received. Standard requirements will be applied to the project as development standards such as roadway dedication and improvement requirements, improvements to facilitate adequate storm water drainage and retention, and encroachment permits needing to be obtained for driveway approaches at all points of ingress and egress on the project site. A development standard requiring the Parcel Map be prepared by a licensed land surveyor or a registered civil engineer licensed to practice land surveying in California, and that all structures not shown on the parcel map

or on lot lines shall be removed prior to the parcel map being recorded will also be added to the project.

The project site is currently served by the Turlock Irrigation District (TID) for irrigation water and is bisected by the Lower Lateral 2 ½ Turlock Irrigation District (TID) canal. The project was referred to TID. As was discussed in Section II- *Agriculture and Forest Resources*, TID responded to the project requiring that a minimum six-foot-tall solid masonry or concrete wall, be installed next to TID's right-of-way along the canal, per District standards and specifications; that an easement centered on a private pipeline located on the east side of the northern proposed remainder parcel be recorded for the benefit of downstream users; that TID review and approve all maps and plans of the project; and that any improvements to this property which impact irrigation facilities be subject to TID's approval and meet all standards and specifications. If it is determined that irrigation facilities will be impacted, the applicant will need to provide irrigation improvement plans and enter into an Irrigation Improvements Agreement for the required irrigation facility modifications. Additionally, TID commented that all work on irrigation facilities only be performed during the non-irrigation season (typically from November 1 – March 1). Additionally, TID mentioned that a 12kV distribution line is located along the north side of Keyes Road and is fed off a 12kV feeder line along the west side of Central Avenue. TID indicated that the developer may be responsible for offsite work for TID facilities to extend service to the northwest corner of Keyes Road and Central Avenue intersection. The developer will be responsible for providing and installing all substructures per TID design specifications. A ten-foot public utility easement must be dedicated along all street frontages. The owner/developer must apply for a facility change for any pole or electrical facility relocation, and facility changes are performed at developer's expense. TID requested the front building setback to be a minimum of 15-feet from the property line and a minimum of 15-feet from the back-of-sidewalk to enable the safe placement of utilities. TID's comments will be placed on the project as development standards. TID's comments will be placed on the project as Development Standards.

The County has adopted Public Facilities Fees, which includes fees for parks, libraries, public safety, and roads, to address impacts to public services which will be required to be paid at the time of building permit issuance; school and fire fees are also collected through the building permit process.

Mitigation: None.

References: Application information; Referral response received from the Department of Environmental Resources – Environmental Health Division, dated November 10, 2025; Referral response from the Department of Environmental Resources – Groundwater Division, dated November 17, 2025; Referral response from the Turlock Irrigation District, dated February 13, 2026; Email received from Turlock Irrigation District, dated November 21, 2025; Stanislaus County General Plan and Support Documentation[1].

XVI. RECREATION.	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?			X	
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?			X	

Discussion: This project will not increase demands for recreational facilities, as such impacts typically are associated with residential development. However, public facility fees will be required to be paid as building permits are obtained, which includes fees for Stanislaus County parks.

Impacts to recreation are considered to be less than significant.

Mitigation: None.

References: Application information; Stanislaus County General Plan and Support Documentation[1].

XVII. TRANSPORTATION. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?			X	
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?			X	
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?			X	
d) Result in inadequate emergency access?			X	

Discussion: The project is a request to amend the General Plan and zoning designation of a 7.16± acre portion of a 17.6± acre parcel from Agriculture and General Agriculture (A-2-40) to Planned Development (P-D), and to subdivide the parcel into a 7.16± acre parcel and a 10.44± acre designated remainder. The project proposes to develop the 7.16± acres, located on the northeast corner of the Keyes Road and Central Avenue intersection, with a 12-pump fueling station, a 4,000± square-foot convenience store with an attached 2,500 square-foot car wash, and a 7,500± square-foot quick-serve restaurant with a drive-through, in two phases. The remainder will remain designated as Agriculture and zoned General Agriculture (A-2-40); no improvements are proposed on the remainder under this request. County-maintained S. Central Avenue is classified as 80-foot-wide major collector road and Keyes Road is classified as a 110-foot-wide minor arterial road.

In addition to the subdivision of the property, Phase 1 of the proposed project will include the demolition of the existing 3,000 square-foot produce stand and construction of a fueling station, convenience store, car wash, trash enclosure, four underground storage tanks, and a parking lot with 21 parking spaces. The fueling station is proposed to be open seven days a week, 24 hours per-day. A total of 10-12 employees is anticipated for the convenience store, with a maximum shift of four employees, with up to three shifts per-day. Access for the development under Phase 1 is proposed from Central Avenue via a 25-foot-wide driveway and from Keyes Road via a 36-foot-wide driveway. Construction under Phase 1 is anticipated to begin within two years of approval, if approved. Phase 2 will consist of construction of a quick-serve restaurant with a drive-through, a trash enclosure, and 37 additional parking spaces. Access for the development under Phase 2 will be taken from Central Avenue via a 25-foot-wide driveway. The quick-serve restaurant is proposed to operate seven days a week from 8:00 a.m. to 10:00 p.m. and with a total of 10-15 employees (five to six on a maximum shift with up to three shifts per-day). The development Construction under Phase 2 is anticipated to begin within five years of approval, after the completion of Phase 1.

A Trip Generation & VMT Screening Analysis was prepared for the project by Fehr & Peers on July 29, 2025. The project is projected to generate approximately 6,600 daily trips, including 659 trips during the AM peak hour and 522 during the PM peak hour upon full build out of both phases of development. After accounting for internal and pass-by trip reductions, the net-new trip estimates are 4,930 daily trips, 473 AM peak hour trips, and 374 PM peak hour trips. As of July 1, 2020, CEQA Guidelines Section 15064.3(b) states that the recommended metric for the evaluation of transportation impacts is VMT. It outlines the criteria for analyzing a project's transportation impacts. For land use projects, this section states that "vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact." A technical advisory on evaluating transportation impacts in CEQA published by the Governor's Office of Planning and Research (OPR) in December of 2018 states that local-serving retail developments typically reduce VMT by redistributing and shortening trips rather than generating new ones. As a result, such developments are generally considered to have a less-than-significant transportation impact. OPR defines locally serving retail as developments with a building floor area of less than 50,000 sq. ft. The proposed project, including the gas station, convenience store, carwash, and restaurant, has a combined floor area and gas station canopy under 50,000 sq. ft. Therefore, it can be categorized as a locally serving retail project and is presumed to have a less-than-significant VMT impact.

The project was referred to Caltrans and Caltrans responded with no comments.

Stanislaus County's Public Works Department requirements will be applied to the project such as: a requirement that an encroachment permit be obtained for work being done in County or state right-of-way, right-of-way dedication, roadway improvements, approval of a grading and drainage plan, and requirements related to parking, loading and unloading of vehicles in the right-of-way. A development standard requiring the Parcel Map be prepared by a licensed land surveyor or a registered civil engineer licensed to practice land surveying in California, and that all structures not shown on the parcel map or on lot lines shall be removed prior to the parcel map being recorded will also be added to the project. These requirements will be placed as development standards for the project.

Impacts associated with *Transportation* are expected to have a less than significant impact with mitigation included.

Mitigation: None.

References: Application information; Trip Generation & VMT Screening Analysis for Proposed Keyes-Central Commercial Development in Stanislaus County, performed by Fehr & Peers, dated July 29, 2025; Stanislaus County General Plan and Support Documentation[1].

XVIII. TRIBAL CULTURAL RESOURCES.	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code §21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California native American tribe, and that is:			X	
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or			X	
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set for the in subdivision (c) of Public Resource Code section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.			X	

Discussion: As this project is a General Plan Amendment it was referred to the tribes listed with the Native American Heritage Commission (NAHC), in accordance with SB 18, for a 90-day review period. The Muwekma Ohlone Tribe of the San Franscisco (S.F.) Bay Area has requested consultation in accordance with AB 52 for all projects located west of the San Joaquin River. This project is not located in that area. Accordingly, this project is not being sent to the Muwekma Ohlone S.F. Bay Area Tribe. No responses from the tribal contacts were received. A records search conducted by the Central California Information Center (CCIC) indicated that there are no historical, cultural, or archeological resources recorded on-site. The project site is currently improved with a

manufactured home, and a produce stand currently in use on the property. The balance of the current parcel is planted in almond trees and is bisected by the Lower Lateral 2 ½ Turlock Irrigation District (TID) canal. The parcel has been ripped and planted for many years for agricultural production. A development standard will be added to the project which requires if any cultural or tribal resources are discovered during project-related activities, all work is to stop, and the lead agency and a qualified professional are to be consulted to determine the importance and appropriate treatment of the find.

If any resources are found during construction, construction activities would halt until a qualified survey takes place and the appropriate authorities are notified. A development standard regarding the discovery of cultural resources during any future construction process will be added to the project.

Tribal Cultural Resources are considered to be less-than significant.

Mitigation: None.

References: Application information; Central California Information Center Report for the project site, dated July 2, 2024; Stanislaus County General Plan and Support Documentation[1].

XIX. UTILITIES AND SERVICE SYSTEMS. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?			X	
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?			X	
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?			X	
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?			X	
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			X	

Discussion: Limitations on providing services have not been identified. The project has proposed to develop an individual potable domestic well for use of the commercial development, which would include a convenience market, drive-through restaurant and car wash uses, and irrigation of landscaped area, as well as private onsite septic systems. Stormwater capture for off-site stormwater runoff will take place within a proposed French drain along the southwest corner of the proposed 7.16± acre parcel. On-site stormwater runoff is proposed to be handled under two options which include a French drain along the north property line, or a retention basin located within the middle of the 7.16± acre parcel.

The project was referred to the Stanislaus County Department of Public Works which did not respond to the project; however, standard development standards will be applied to the project requiring a grading, drainage, and erosion/sediment control plan for the project subject to Public Works review and Standards and Specifications will be required, as well as the submittal of a Storm Water Pollution Prevention Plan (SWPPP) prior to the approval of any grading plan. The submittal and approval of the grading, drainage, erosion/sediment control plan and SWPPP will be made development standards for this project prior to issuance of a building permit. Runoff associated with the construction at the proposed project site will be reviewed as part of the grading review process and be required to be maintained on-site.

Any construction will be reviewed under the Building Permit process and must be reviewed and approved by DER and adhere to current well permitting, public water system, Measure X, and Local Agency Management Program (LAMP) standards, which include minimum setback from wells and septic systems to prevent negative impacts to groundwater quality. As discussed in Section X – *Hydrology and Water Quality* the proposed well for the project site will meet the definition of a Public Water System as defined in California Health and Safety Code Section 116275(h). To become a Public Water System, the applicant must submit an application for a water supply permit with the associated technical report to Stanislaus County DER which will determine if the well water meets State of California mandated standards for water quality and must also obtain concurrence from the State of California Water Resources Control Board (SWRCB), Drinking Water Division, in accordance to CHSC Section 116527 (SB1263). If the well water does not meet State of California standards, the applicant may need to either drill a new well or install a water treatment system for the new well. Title 22 compliant well testing will take place during the test well process. Potential contaminants of concern that would require treatment include Total Dissolved Solids and similar naturally occurring minerals, Hexavalent Chromium, Arsenic, organic compounds, and Nitrates. This requirement of issuance of a water supply permit will be added as a development standard, to be met prior to issuance of a building permit.

The project site is located within the Turlock Irrigation District (TID), is bisected by the Lower Lateral 2 ½ Turlock Irrigation District (TID) canal, and receives irrigation water from TID. The project was referred to TID which responded requiring a minimum six-foot-tall solid masonry or concrete wall, to be installed next to TID's right-of-way along the canal, per District standards and specifications; that an easement centered on a private pipeline located on the east side of the northern proposed remainder parcel be recorded for the benefit of downstream users; that TID review and approve all maps and plans of the project; and that any improvements to this property which impact irrigation facilities be subject to TID's approval and meet all standards and specifications. If it is determined that irrigation facilities will be impacted, the applicant will need to provide irrigation improvement plans and enter into an Irrigation Improvements Agreement for the required irrigation facility modifications. Additionally, TID commented that all work on irrigation facilities only be performed during the non-irrigation season (typically from November 1 – March 1). TID's comments will be placed on the project as Development Standards.

The project is not anticipated to have a significant impact to utilities and service systems.

Mitigation: None.

References: Application information; Referral response from Turlock Irrigation District, dated November 21, 2025; Stanislaus County General Plan and Support Documentation[1].

XX. WILDFIRE. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?			X	
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?			X	
c) Require the installation of maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?			X	
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?			X	

Discussion: The Stanislaus County Local Hazard Mitigation Plan identifies risks posed by disasters and identifies ways to minimize damage from those disasters. The project site is in a non-urbanized area with no wildlands located in the vicinity of the project site. In addition, the project site is not located within a designated high or very high fire hazard severity zone, near state responsibility areas, or lands classified as very high fire hazard severity zones. The terrain of the site is relatively flat, and the site has access to a County maintained road. The resulting parcels will continue to have access to County-maintained roads. The site is located in a Local Responsibility Area (LRA) for fire protection and is served by Keyes Fire Protection District. The project was referred to the District, and no comments have been received to date. California Building and Fire Code establishes minimum standards for the protection of life and property by increasing the ability of a building to resist intrusion of flame and burning embers. Building permits will be required for the proposed structures, if approved, which will be reviewed by the County's Building Permits Division and Fire Prevention Bureau to ensure all State of California Building and Fire Code requirements are met prior to construction.

Wildfire risk and risks associated with postfire land changes are considered to be less-than significant.

Mitigation: None.

References: Application information; California Fire Code Title 24, Part 9; California Building Code Title 24, Part 2, Chapter 7; Stanislaus County Local Hazard Mitigation Plan; Stanislaus County General Plan and Support Documentation[1].

XXI. MANDATORY FINDINGS OF SIGNIFICANCE.	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?			X	
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)			X	
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			X	

Discussion: The project includes a request to amend the General Plan and zoning designation of a 7.16± acre portion of a 17.6± acre parcel from Agriculture and General Agriculture (A-2-40) to Planned Development (P-D), and to subdivide the parcel into a 7.16± acre parcel and a 10.44± acre designated remainder. The project proposes to develop the 7.16± acres, located on the northeast corner of the Keyes Road and Central Avenue intersection, with a 12-pump fueling station, a 4,000± square-foot convenience store with an attached 2,500 square-foot car wash, and a 7,500± square-

foot quick-serve restaurant with a drive-through, in two phases. The remainder will remain designated as Agriculture and zoned General Agriculture (A-2-40); no improvements are proposed on the remainder under this request. The project site is currently improved with a manufactured home, and a produce stand currently in use on the property which was permitted under Use Permit No. 92-40 – Sarbjit Singh Athwal and modified under Staff Approval Permit No. 95-18 – Sarbjit S. Athwal. The balance of the current parcel is planted in almond trees and is bisected by the Lower Lateral 2 ½ Turlock Irrigation District (TID) canal.

The project is located at 5956 Central Avenue, between Turner Road and Keyes Road, in the Ceres area. The surrounding area consists of orchards to the north, east and south; an almond hulling and shelling facility, and the City of Ceres to the northeast; the community of Keyes to the east; a horse boarding facility to the southwest; ranchettes to the south and west of the project site; and a winery to the west. The nearest parcels in production agriculture are a 55± acre farmed parcel immediately adjacent to the project site to the east, a 38± acre farmed parcel to the south across East Keyes Road, and two 18± acre farmed parcels west across Central Avenue. The nearest parcels enrolled in a Williamson Act Contract are the 38± acre farmed parcel to the south, and one of the 18± acre farmed parcels to the west. Similarly situated parcels of 17± acres or more currently zoned General Agriculture (A-2-40) are located within the immediately surrounding area.

The current parcel has a zoning designation of General Agriculture (A-2-40). A rezone to a Planned Development district is necessary for the development of the project as the use is not permitted under the current A-2 zoning. The General Plan designation of the parcel is Agriculture and must be consistent with the proposed zoning district of Planned Development; accordingly, the application includes a General Plan amendment to Planned Development as well. As discussed in Section II - *Agriculture and Forest Resources*, Goal 2 of the Agricultural Element requires specific criteria be met when redesignating the General Plan designation of a property from Agricultural to a non-agricultural designation. Additionally, mitigation has been applied to the project to address the loss of prime and unique farmland. Farmland mitigation shall be provided based on a 1:1 ratio to the amount of farmland converted (7.16 acres) through either a long-term agricultural easement or through the payment of an in-leu fee to a land trust, determined to be acceptable by the County Planning Director prior to issuance of a building or grading permit.

As discussed in Section III – Air Quality, an Air Quality, Health Risk Analysis, and Greenhouse Gas Technical Analysis (Analysis) was performed, dated February 16, 2026, by Richard Miller, Air Quality and Climate Change Specialist, Johnson Johnson and Miller Air Quality Consulting Services. The Analysis found that the maximum cancer risk from the project's combined construction and operational emissions would be 24.82 in one million parts which would exceed the applicable SJVAPCD threshold of 20 in one million parts. A Mitigation Measure has been added to the project requiring the implementation of enhanced construction equipment standards, including the use of Tier 4 Final off-road engines and electric-powered small equipment when available, to reduce DPM emissions and associated health risks. With the Mitigation Measure in place, total exposure from combined project construction and operation would be 16.80 which is below the threshold of 20 in one million parts. Therefore, the combined construction and operational exposure would be less than significant after mitigation.

Impacts to endangered species or habitats, locally designated species, or wildlife dispersal or mitigation corridors are considered to be less than significant.

Review of this project has not indicated any features which might significantly impact the environmental quality of the site and/or the surrounding area. Land surrounding the project site are designated as Agricultural in the County's General Plan and have a zoning designation of A-2-40. Surrounding lands would be required to obtain land use entitlements and conduct environmental review before developing their property with anything other than uses permitted in the A-2-40 zoning district.

Mitigation: None.

References: Initial Study; Stanislaus County General Plan and Support Documentation[1].

[1]Stanislaus County General Plan and Support Documentation adopted in August 23, 2016, as amended. ***Housing Element*** adopted on December 9, 2025.

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
1010 10th Street, Suite 3400, Modesto, CA 95354
Planning Phone: (209) 525-6330 Fax: (209) 525-5911
Building Phone: (209) 525-6557 Fax: (209) 525-7759

Stanislaus County

Planning and Community Development

Mitigation Monitoring and Reporting Program

Adapted from CEQA Guidelines APPENDIX G Environmental Checklist Form, Final Text, January 1, 2020

August 12, 2026

1. Project title and location:	General Plan Amendment, Rezone, and Parcel Map Application No. PLN2025-0015 – Keyes-Central 5956 Central Avenue, between Turner Road and Keyes Road, in the Ceres area (APNs: 041-038-014 and 041-038-015).
2. Project Applicant name and address:	Navjot Athwal, Athwal Investments, LP 2561 4th Street Ceres, CA 95307
3. Person Responsible for Implementing Mitigation Program (Applicant):	Navjot Athwal, Athwal Investments, LP Developer/Property Owner
4. Contact person at County:	Emily DeAnda, Associate Planner (209) 525-6330

MITIGATION MEASURES AND MONITORING PROGRAM:

List all Mitigation Measures by topic as identified in the Mitigated Negative Declaration and complete the form for each measure.

II. AGRICULTURE AND FOREST RESOURCES

No. 1 Mitigation Measure:	Farmland mitigation shall be provided based on a 1:1 ratio to the amount of farmland converted (7.16 acres). The mitigation may be met through direct acquisition of an agricultural easement or through the payment of an in-lieu fee. The easement or in-lieu fee shall be administered by a land trust, determined to be acceptable by the County Planning Director and shall meet all criteria, including location and characteristic criteria of the County's adopted Farmland Mitigation Program

Guidelines, in effect at the time of project approval, as determined to be applicable by the Planning Director. Agricultural mitigation land shall be:

- Located in Stanislaus County;
- Designated Agriculture by the Land Use Element of the Stanislaus County General Plan;
- Zoned A-2 (General Agriculture);
- Located outside a Local Agency Formation Commission (LAFCO) adopted Sphere of Influence of a city;
- Agricultural Mitigation land shall be in conformance with the A-2 zoning district;
- The type of agricultural related activity allowed on mitigation land shall be specified as part of the agricultural conservation easement and shall not be less restrictive than the A-2 zoning district;
- Land already effectively encumbered by a conservation easement of any nature is not eligible to qualify as agricultural mitigation land;
- The agricultural mitigation land shall be of equal or better soil quality than the agricultural land whose use is being changed to nonagricultural uses. Priority shall be given to lands designated as ’prime farmland’, ’farmland of statewide importance’ and ’unique farmland’ by the California Department of Conservation’s Farmland Mapping and Monitoring Program; and
- The agricultural mitigation land shall have an adequate water supply to support the agricultural use of the land. The water rights on the agricultural mitigation land shall be protected in the farmland conservation easement.

Who Implements the Measure:	Applicant/Developer
When should the measure be implemented:	Prior to issuance of a grading or building permit
When should it be completed:	Prior to issuance of a grading or building permit
Who verifies compliance:	Stanislaus County Department of Planning and Community Development
Other Responsible Agencies:	None.

III. AIR QUALITY

No. 2 Mitigation Measure: The project applicant/developer shall submit documentation to the Stanislaus County Planning and Community Development Department demonstrating compliance with the following requirements:

- Where portable diesel engines are used during construction, all off-road equipment with engines greater than 75 horsepower shall meet U.S. Environmental Protection Agency (EPA) or California Air Resources Board (CARB) Tier 4 Final off-road emission standards, unless otherwise specified herein. If Tier 4 Final equipment is not commercially available, the construction contractor shall use the next cleanest available off-road equipment (e.g., Tier 4 Interim) that is commercially available. For purposes of this measure, “commercially available” shall mean equipment that can be obtained taking into consideration factors such as (i) critical-path construction timing and (ii) geographic proximity of equipment suppliers to the project site. If Tier 4 Final equipment is determined to be unavailable, the contractor shall provide written documentation from at least two equipment rental companies for each applicable piece of equipment demonstrating

that Tier 4 Final equipment is not commercially available.

- Electric-powered equipment shall be used for small equipment (i.e., less than 50 horsepower), when such equipment is readily available and feasible for the intended construction activity.

The applicant/developer shall be responsible for providing, to the satisfaction of the Planning Director, documentation of the implementation of the aforementioned requirements. The applicant/developer shall be responsible for paying the County's actual costs of verifying compliance, based on the fully burdened weighted labor rates at the time of services rendered. If the County finds any of the applicable requirements have not been implemented, the applicant/developer shall implement said requirements within the time frame specified in writing by the County.

Who Implements the Measure:	Applicant/Developer
When should the measure be implemented:	Prior to issuance of a grading or building permit
When should it be completed:	Prior to issuance of a grading or building permit
Who verifies compliance:	Stanislaus County Department of Planning and Community Development
Other Responsible Agencies:	None

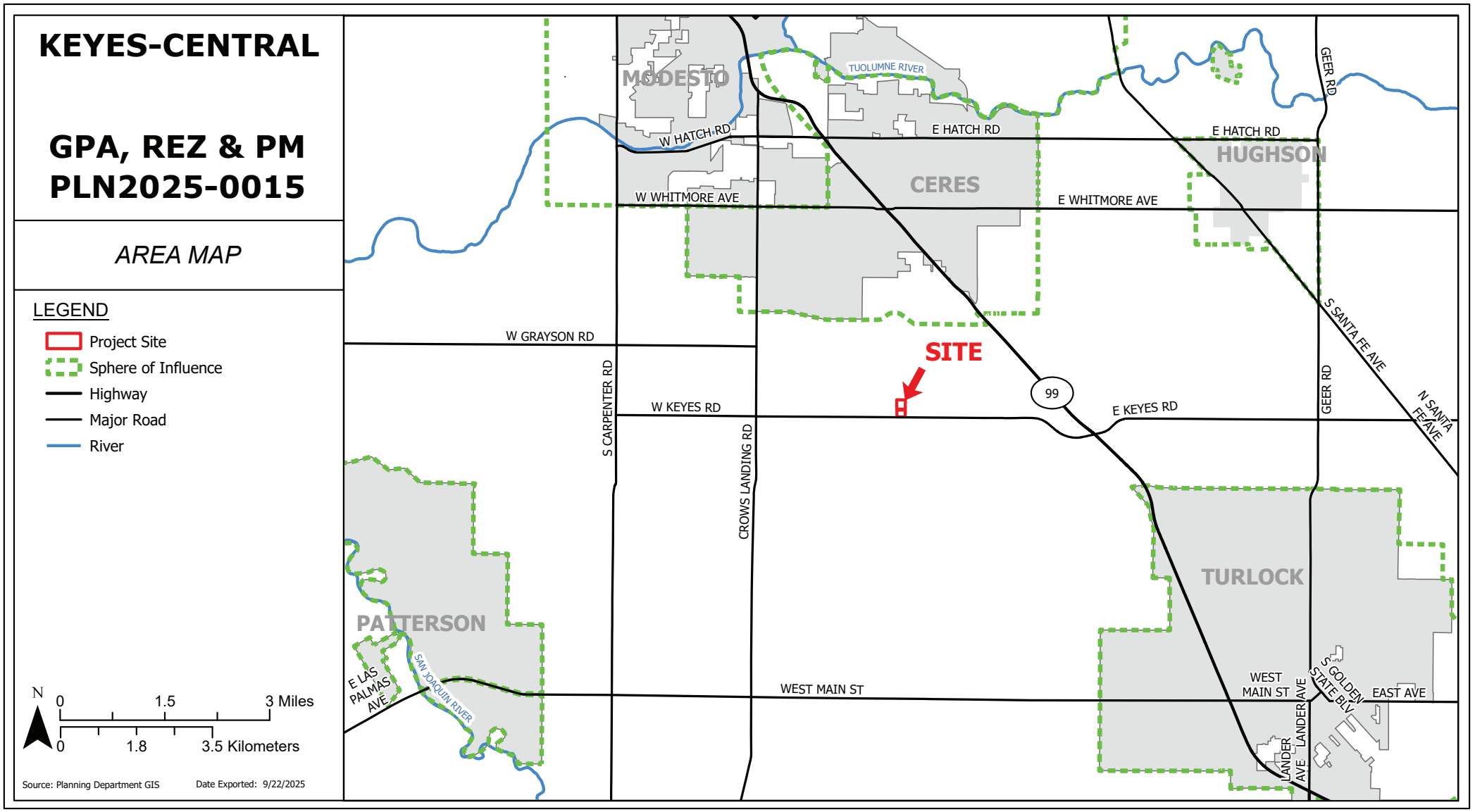
I, the undersigned, do hereby certify that I understand and agree to be responsible for implementing the Mitigation Program for the above listed project.

Signature on File	**August 11, 2026**
Signature	Date

KEYES-CENTRAL

GPA, REZ & PM PLN2025-0015

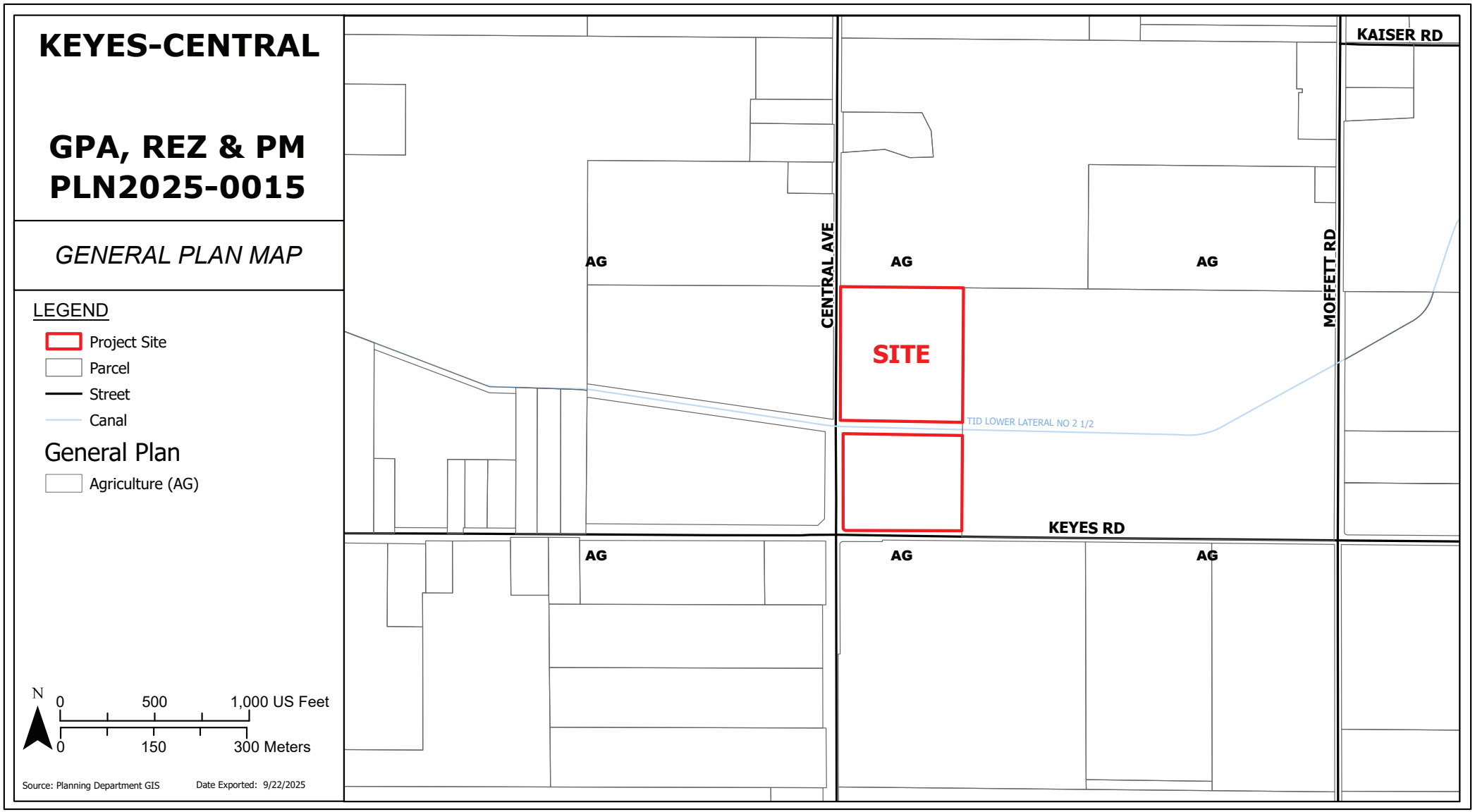
AREA MAP



KEYES-CENTRAL

GPA, REZ & PM PLN2025-0015

GENERAL PLAN MAP



KEYES-CENTRAL

GPA, REZ & PM PLN2025-0015

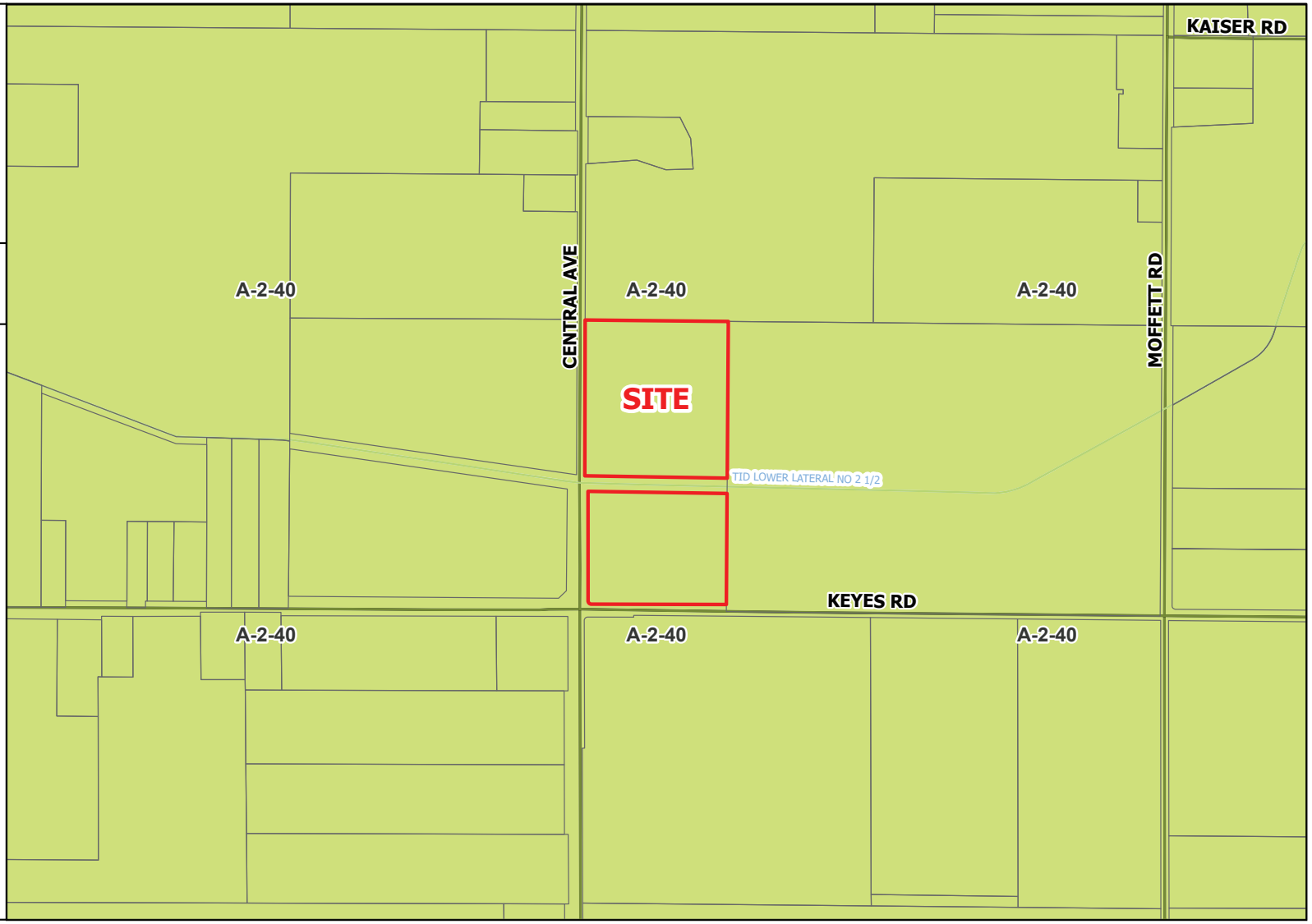
ZONING MAP

LEGEND

- Project Site
- Parcel
- Street
- Canal

Zoning Designation

- General AG 40 Acre (A-2-40)



N

0 500 1,000 US Feet

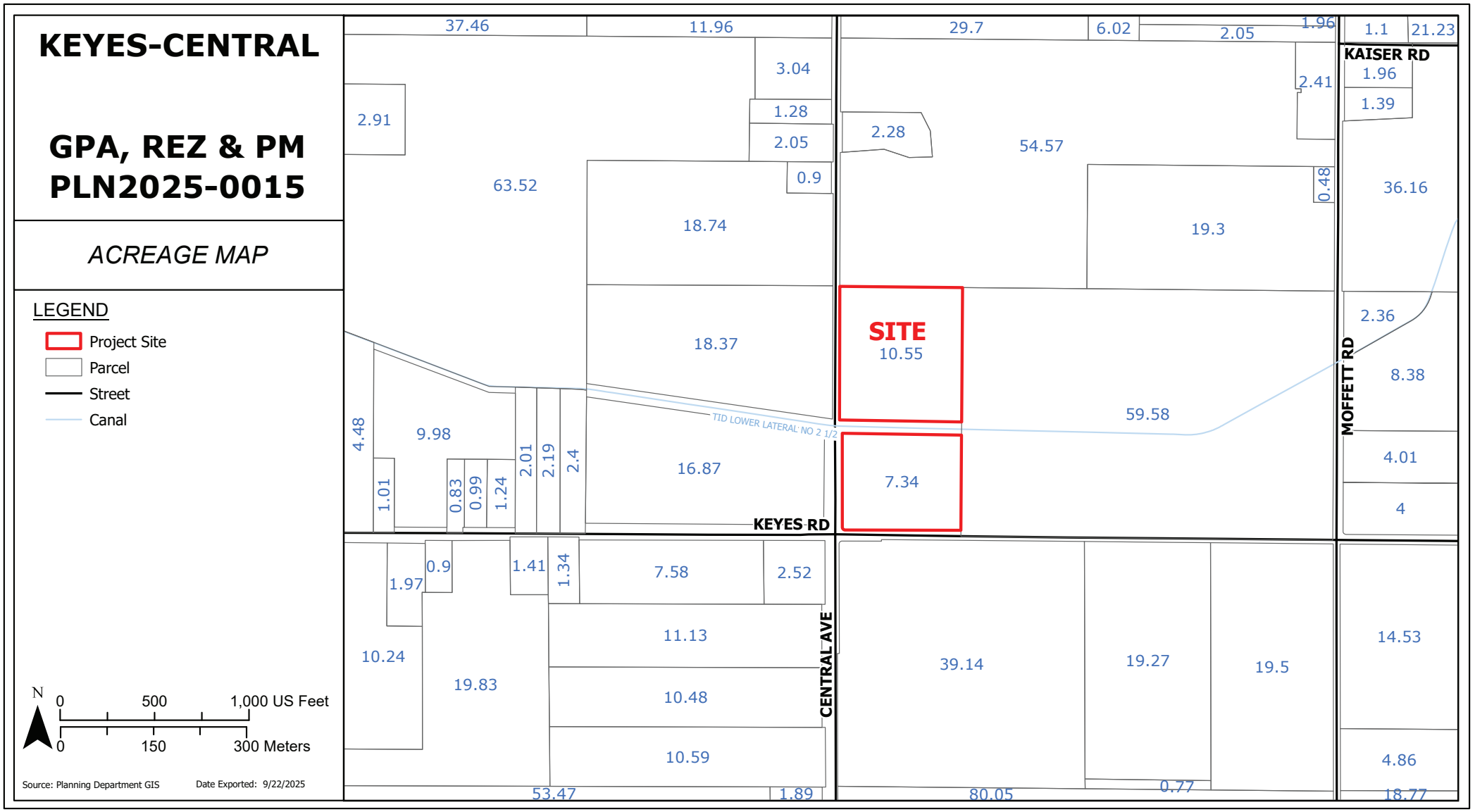
0 150 300 Meters

Source: Planning Department GIS Date Exported: 9/22/2025

KEYES-CENTRAL

GPA, REZ & PM PLN2025-0015

ACREAGE MAP



KEYES-CENTRAL

GPA, REZ & PM PLN2025-0015

2023 AERIAL AREA MAP



LEGEND

- Project Site
- Parcel
- Street
- Canal

N

0 500 1,000 US Feet

0 150 300 Meters

Source: Planning Department GIS

Date Exported: 9/22/2025

KEYES-CENTRAL

GPA, REZ & PM PLN2025-0015

2023 AERIAL SITE MAP

LEGEND

- Project Site
- Parcel
- Street
- Canal



N

0 200 400 US Feet

0 55 110 Meters

Source: Planning Department GIS

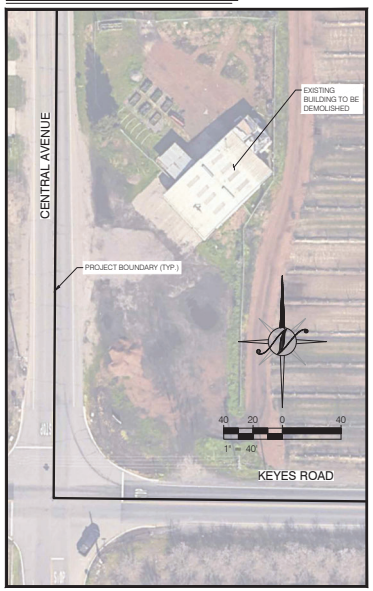
Date Exported: 9/22/2025

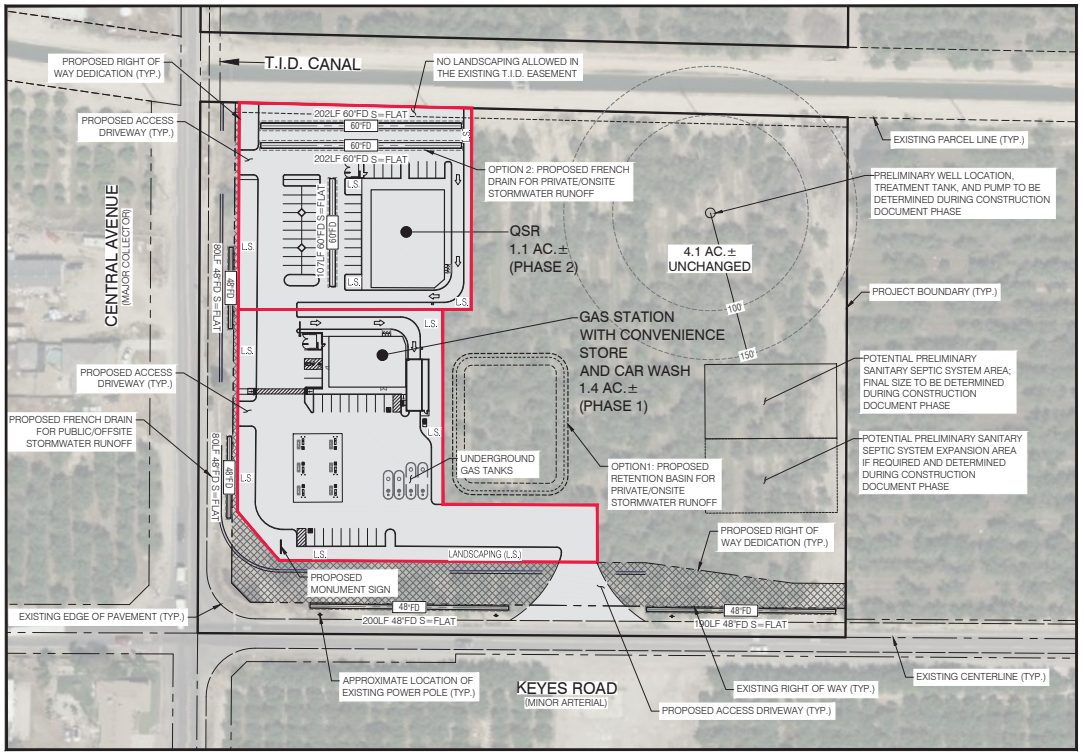
SITE PLAN FOR

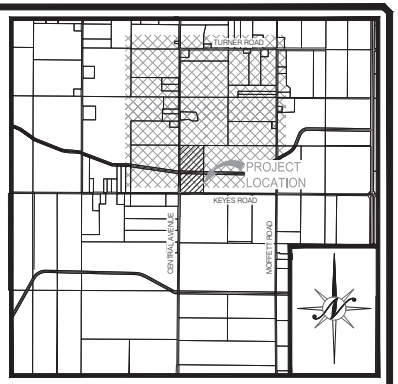
KEYES ROAD AND CENTRAL AVENUE COMMERCIAL

STANISLAUS COUNTY, CALIFORNIA

EXISTING STRUCTURE EXHIBIT







VICINITY MAP

N.T.S.

60 30 0 60

1" = 60'

LEGEND

- PROPOSED PROJECT AREA BOUNDARY, BY PHASE
- PROPOSED PROJECT AREA
- RIGHT OF WAY DEDICATION (TO BE CLEARED OF ALL TREES AND STRUCTURES)

EXISTING CONDITION NOTES

1. EXISTING BUILDING TO BE DEMOLISHED.
2. EXISTING TREES WITHIN AREA TO BE IMPROVED TO BE REMOVED.

PARKING TABLE

TOTAL PARKING SPACES REQUIRED (1 PER 300 S.F.) = 39
TOTAL PARKING SPACES PROPOSED = 55

LAND DESIGNATION

EXISTING ZONING/ GENERAL PLAN:
GENERAL AG 40 ACRE/ AGRICULTURE

PROPOSED ZONING/ GENERAL PLAN:
PLANNED DEVELOPMENT

PREPARED FOR

CLIENT:
NAPA FARMS, LLC
2961 4TH STREET
CERES, CA 95307
T: (209) 691-7094
CONTACT:
NAV ATHWAL

PREPARED BY

ENGINEER:
NORTH STAR ENGINEERING GROUP, INC.
620 12TH STREET
MODESTO, CA 95354
(209) 524-3525
CONTACT:
MALLORIE FENRICH

PROJECT LOCATION

APN:
041-038-014 (NOT A PART) AND 015
STANISLAUS COUNTY, CA 95307

COPYRIGHT © 2026 NORTHSTAR ENGINEERING GROUP, INC

NO.	DESCRIPTIONS	DATE	APPROVED

SITE PLAN

KEYES ROAD AND CENTRAL AVENUE
STANISLAUS COUNTY, CALIFORNIA

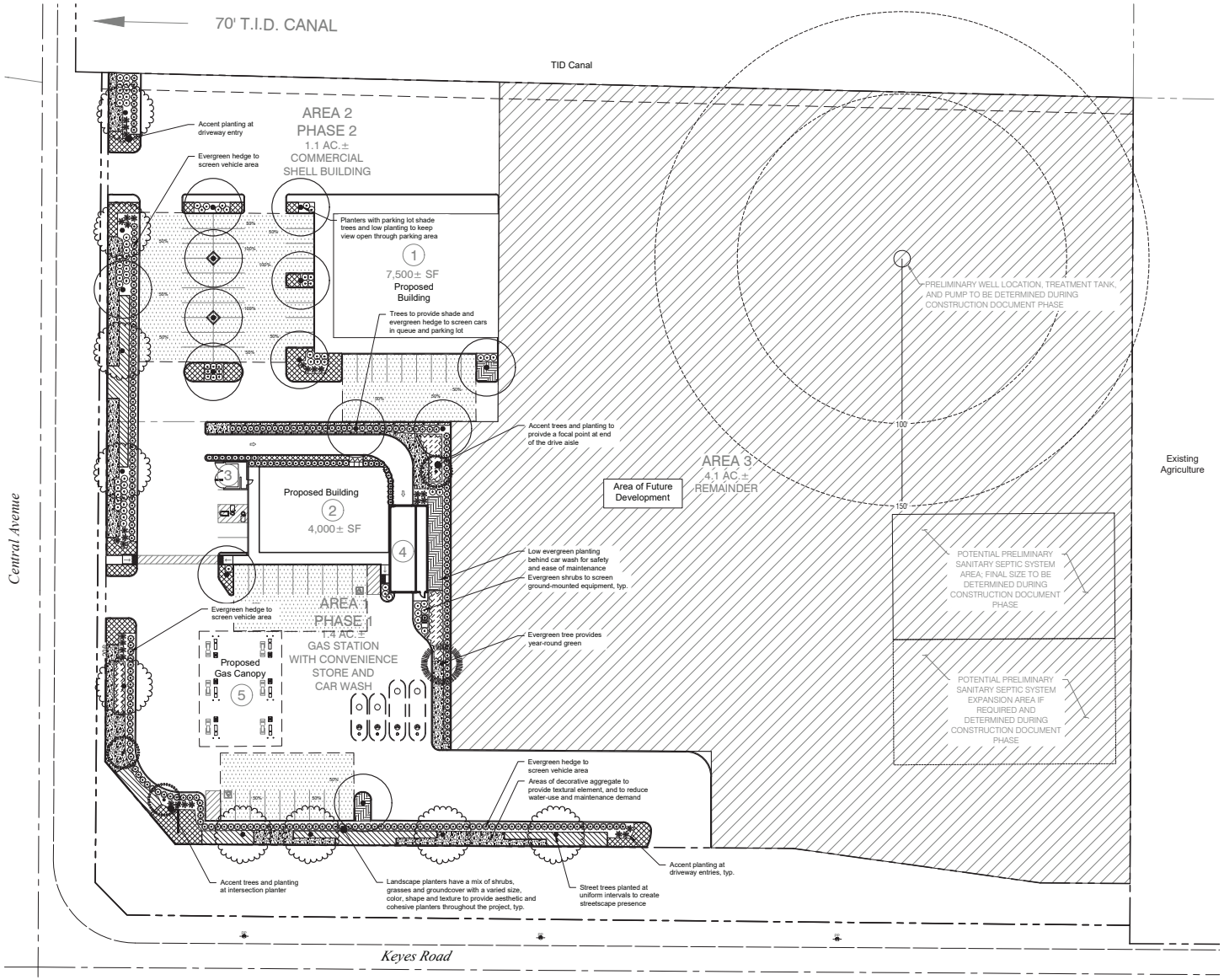
North Star Engineering Group, Inc.
• Civil • Agricultural • Surveying • Planning •
620 12th Street Modesto, CA 95354
(209) 524-3525 Phone (209) 524-3526 Fax

JOB #:	23-3415
DATE:	06/29/2026
SCALE:	AS SHOWN
DRAWN:	SH, EP
DESIGN:	FMH
CHKD:	MF

SHEET NUMBER

EX1

PLOTTED: 06/29/26 10:01 PLOTTED By: Samuel
DRAWING: T:\23-3415 Keyes Road at Central Avenue Commercial\Plans\pdf\Plan\EX1_SI...



CONCEPT PLANT SCHEDULE

PARKING LOT SHADE TREE		13		
Ginkgo biloba 'Magyar' / Magyar Maidenhair Tree			15 gal., 30`, Moderate	20' o.c.
Pistacia chinensis 'Keith Davey' / Keith Davey Chinese Pistache			15 gal., 35`, Low	35' o.c.
Ulmus parvifolia `Sempervirens' / Evergreen Lacebark Elm			15 gal., 35`, Moderate	35' o.c.
STREET TREE		9		
Trees along street frontages, 70` spacing. Species will match existing to continue the frontage appearance, or another species as approved by County.				
Quercus shumardii / Shumard Oak			15 gal., 50`, Moderate	35' o.c.
Zelkova serrata 'Village Green' / Village Green Japanese Zelkova			15 gal., 50`, Moderate	35' o.c.
ACCENT TREE		3		
Cercis canadensis `Forest Pansy` / Forest Pansy Eastern Redbud			15 gal., 25`, Moderate	20' o.c.
Lagerstroemia indica x fauriei `Tuscarora` / Tuscarora Crape Myrtle			15 gal., 20`, Low	20' o.c.
Pyrus calleryana `Chanticleer` / Chanticleer Callery Pear			15 gal., 25`, Moderate	20' o.c.
EVERGREEN / SCREEN TREE		1		
Laurus x 'Saratoga' / Saratoga Hybrid Laurel			15 gal., 25`, Low	20' o.c.
Magnolia grandiflora 'Samuel Sommer' / Samuel Sommer Southern Magnolia			15 gal., 35`, Moderate	30' o.c.
Quercus ilex / Holly Oak			15 gal., 40`, Moderate	30' o.c.
Schinus molle / California Pepper			15 gal., 30`, Low	30' o.c.
EVERGREEN SHRUB/HEDGE		274		
Medium evergreen shrub for foundation planting or hedges for screening and borders				
Callistemon viminalis 'Little John' / Little John Weeping Bottlebrush			5 gal., 4`, Low	4" o.c.
Ligustrum japonicum 'Texanum' / Texanum Privet			5 gal., 4`, Low	4" o.c.
Olea europaea 'Little Ollie' TM / Little Ollie Olive			5 gal., 5`, Low	5" o.c.
Rhaphiolepis umbellata 'Minor' / Dwarf Yedda Hawthorn			5 gal., 4`, Low	4" o.c.
INFILL SHRUB		80		
Medium shrubs for mass plantings				
Dietes iridioides / Fortnight Lily			5 gal., 3`, Low	3" o.c.
Pittosporum tobira 'Wheeler's Dwarf' / Wheeler's Dwarf Pittosporum			5 gal., 4`, Moderate	4" o.c.
Rhaphiolepis indica / Indian Hawthorn			5 gal., 4`, Moderate	4" o.c.
ACCENT SHRUB		30		
Medium shrub with interesting form, texture, or flowers, located at high visibility area and entries				
Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass			5 gal., 4`, Low	4" o.c.
Chondropetalum tectorum / Small Cape Rush			5 gal., 4`, Low	4" o.c.
Muhlenbergia capillaris / Pink Muhly Grass			5 gal., 5`, Low	5" o.c.
Phormium tenax spp. / New Zealand Flax, medium size			5 gal., 4`, Low	4" o.c.
Rosa x 'Flower Carpet' / Flower Carpet Rose - White			5 gal., 3`, Moderate	3" o.c.
ORNAMENTAL GRASS		614 sf		
Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	72		1 gal., 3`, Low	36" o.c.
Miscanthus sinensis 'Morning Light' / Morning Light Eulalia Grass	26		1 gal., 60", Low	60" o.c.
Muhlenbergia capillaris / Pink Muhly Grass	40		1 gal., 4`, Low	48" o.c.
Muhlenbergia rigens / Deer Grass	40		1 gal., 4`, Low	48" o.c.
ACCENT GROUND COVER		2,705 sf		
Low shrubs for mass planting with interesting form, texture, or flowers, 12"-24" tall.				
Hemerocallis x 'Evergreen Yellow' / Evergreen Yellow Daylily	313		1 gal., 36", Moderate	36" o.c.
Lomandra longifolia 'Breeze' TM / Breeze Mat Rush	313		1 gal., 36", Low	36" o.c.
Phormium tenax 'Jack Spratt' / New Zealand Flax	703		1 gal., 24", Moderate	24" o.c.
Teucrium chamaedrys / Germander	703		1 gal., 24", Low	24" o.c.
Tulbaghia violacea 'Variegata' / Striped Society Garlic	1,249		1 gal., 18", Low	18" o.c.
Verbena x hybrida / Verbena	703		1 gal., 24", Low	24" o.c.
LOW EVERGREEN GROUND COVER		2,211 sf		
Low growing, spreading evergreen ground cover for mass planting, 6"-24" tall				
Coprosma kirkii / Creeping Mirror Plant	143		1 gal., 48", Low	48" o.c.
Cotoneaster dammeri 'Lowfast' / Lowfast Bearberry Cotoneaster	143		1 gal., 48", Low	48" o.c.
Juniperus horizontalis 'Blue Rug' / Blue Rug Juniper	143		1 gal., 48", Low	48" o.c.
Myoporum parvifolium / Trailing Myoporum	143		1 gal., 48", Low	48" o.c.
DECORATIVE GRAVEL		3,914 sf		
1" minus, tan/pink/white color, Sonoma Gold or equal				
DECOMPOSED GRANITE		822 sf		
3" layer of tan color DG				

WELO COMPLIANCE

This project has been designed to conform with the State's Model Water Efficient Landscape Ordinance (MWELO).

IRRIGATION DESIGN
The irrigation on the site will use drip irrigation, will meet the City's requirements, and will comply with the requirements of WELO. Equipment will include dedicated irrigation meter, smart controller, weather sensor, and efficient irrigation emitters, nozzles, and other equipment.

PLANTING DESIGN
The landscape design uses water-wise plant species suitable for this region and that are low maintenance and durable, uses trees to shade paved areas, and plants have been grouped into hydro-zones. References used for the landscape design include published information from the local jurisdiction, Sunset Western Garden Book and WUCOLS.

PRELIMINARY WELO CALCULATIONS

The calculations provided below are an initial estimate of water usage for the planting and irrigation design being proposed with this plan. Hydrozones are approximated and may change with the final design, but the overall intent will remain and compliance with WELO will be achieved.

City (ETo): Ceres (50.2)

Plant Type	Water Use (per WUCOLS)	Type of Irrigation (IE)	Plant Factor	Hydrozone Area (sf)	ETWU (gal.)
Shrubs	Moderate	Drip (0.81)	0.4	5,485 sf	84,304
Shrubs	Low	Drip (0.81)	0.3	12,745 sf	146,917
			Total:	18,230 sf	231,221

Estimated Total Water Use (ETWU): 231,221 gal.
Maximum Applied Water Allowance (MAWA): 255,326 gal.
Estimated Average ETAF: 0.41
Maximum Allowable ETAF: 0.45

PARKING LOT SHADE CALCULATIONS

Shade area on plans is identified with the hatch symbol shown here and conforms to the municipality's guidelines. Tree diameters per species is based on published City documentation or the Sunset Western Garden Book.

Tree Type	Area at 100% (sf)	100% sf	100% qty.	75% sf	75% qty.	50% sf	50% qty.	25% sf	25% qty.	Subtotal	
Parking Lot Shade Tree	962	2,886	3	0	0	4,810	10	0	0	7,696	sf
Street Tree	962	0	0	0	0	1,924	4	0	0	1,924	sf
								Total shade provided:		9,620	sf
								Parking area:		19,143	sf
						Percentage of shade provided (0.50 min. req'd):				0.50	

LANDSCAPE AREA CALCULATIONS

AREA 1
Total Site Area: 62,072 sf.
Total Landscape Area: 13,328 sf.
Percentage of Total Site as Landscape: 21 %

AREA 2
Total Site Area: 49,599 sf.
Total Landscape Area: 4,902 sf.
Percentage of Total Site as Landscape: 10 %

NORTH
0' 15' 30' 60'
scale: 1" = 30'-0"

Conceptual Landscape Plan

C:\Users\User\Dropbox\SHLA\Projects\2025\25-29-Keyes Road Gas Station\Tasks-CAD\Prelim\25-29-LSPrelim.dwg

23 April 2025 | Keyes Road Gas Station - Ceres, CA

Sam Harned Landscape Architecture
P.O. Box 2275
Oakdale, CA 95361
209-380-7376 www.harnedla.com

Fehr & Peers

Memo

Date: July 29, 2025

To: Nav Athwal – NAPA Farms, LLC

From: Francisco Martin – Fehr & Peers

Subject: Trip Generation & VMT Screening Analysis for Proposed Keyes-Central Commercial Development in Stanislaus County, CA

RS24-4352

Introduction

This memorandum outlines the trip generation and vehicle miles traveled (VMT) screening analysis for the proposed commercial development located on the northeast corner of the Keyes Road/Central Avenue intersection in unincorporated Stanislaus County, CA. The VMT screening analysis is necessary to determine whether a detailed VMT analysis is required by the California Environmental Quality Act (CEQA) for local project approval. Fehr & Peers conducted the screening analysis based on the project understanding and knowledge of the technical guidelines outlined in the State of California Governor's Office of Planning and Research (OPR) *Technical Advisory on Evaluating Transportation Impacts in CEQA* (2018). Since Stanislaus County does not have adopted VMT screening guidelines, the OPR Technical Advisory was used to guide the screening process for this project. Stanislaus County staff, as the lead agency, should review and confirm their agreement with the VMT assessment results for the project.

Project Description

NAPA Farms, LLC is seeking approval for a proposed commercial development project at the northeast corner of Keyes Road and Central Avenue in unincorporated Stanislaus County, CA. The project proposes the following maximum development scenario for transportation impact analysis purposes:

- A gas station with 12 fueling positions, a 4,000 square foot (sf) convenience store, and an automated car wash
- A 7,500 square foot fast food restaurant with a drive through window

The project study area is shown in **Figure 1** attached at the end of this memorandum. The project site plan, dated July 24, 2025, is included in **Appendix A** at the end of this memorandum.

Project Trip Generation

Table 1 provides the weekday daily, morning and evening peak hour vehicle trip generation estimate for the proposed project using rates published in the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition*. The analysis includes adjustments for internal trips based on data provided in the Mixed-Use Trip Generation (MXD+) Model, which is backed by research from studies sponsored by the US Environmental Protection Agency and the Transportation Research Board. Internal trips represent trips within mixed-use developments that occur on-site between various land uses and buildings without relying on adjacent public streets. About three percent of AM peak hour trips, two percent of PM peak hour trips and one percent of daily trips are estimated to be internal trips.

The analysis also includes adjustments for pass-by trips based on data provided in the ITE manual. Pass-by trips represent trips already en route to a primary destination that make an intermediate stop at a site while passing by on an adjacent street. These trips are considered existing traffic as they would have passed by the site regardless of any new development. Pass-by trips constitute a substantial portion of trip generation for gas stations and fast-food restaurants. When assessing project impacts, pass-by trips are included at the site driveways but not at off-site intersections.

The ITE manual estimates that 76 percent of AM peak period trips and 75 percent of PM peak period trips are pass-by trips for gas stations with more than nine fueling positions and a convenience store. Traffic counts from May 8, 2024, show approximately 850 cars passing the site during the AM peak hour and 1,000 cars during the PM peak hour. Applying the ITE pass-by rates would result in 247 pass-by trips in the AM peak hour and 206 in the PM peak hour, which constitute about 29 percent of adjacent street traffic during the AM peak hour and 21 percent during the PM peak hour. Therefore, the existing traffic levels on Keyes Road and Central Avenue do not support the ITE manual's suggested pass-by percentages. Consequently, the gas station's pass-by percentages were adjusted to 40 percent to reflect the limited adjacent street traffic.

Since pass-by trips typically make up the majority of gas station traffic, lower pass-by percentages will likely result in lower trip generation rates for the proposed gas station compared to the average rates in the ITE manual. The ITE rates for land use code 945 were used, which applies to gas stations with convenience stores between 4,000 and 5,500 sf in size. Although ITE land use code 945 does not specifically account for car washes, it is reasonable to assume that the trip generation rates for this code can provide reliable estimates for trips associated with the gas station, convenience store, and car wash combined. The car wash trips are expected to offset the reduction in gas station trips due to limited adjacent street traffic.

ITE rates for land use code 934 (fast-food restaurant with a drive-through window) were used to estimate trip generation for the proposed 7,500 sf fast-food restaurant. The average PM peak period pass-by rate for fast food (ITE land use code 934) restaurants is 55 percent. However, due to limited adjacent street traffic, the pass-by rate was adjusted to 10 percent.

As shown in **Table 1**, the project is estimated to generate 6,600 daily, 659 AM peak hour and 522 PM peak hour gross trips. After adjusting for internal and pass-by trips, the net new trips are 4,930 daily, 473 AM peak hour, and 374 PM peak hour trips.

Table 1. Keyes-Central Commercial Development Trip Generation

Land Use	ITE Code	Size	Units	Daily Trips	AM Peak Hour Trips			PM Peak Hour Trips		
					In	Out	Total	In	Out	Total
Proposed Project Net New Trips										
Gas Station with Convenience Store & Car Wash	945[1]	12	Fueling Positions	3,090	162	162	324	137	137	274
Fast Food Restaurant with Drive-Through Window	934[2]	7.5	1,000 sf	3,510	171	164	335	129	119	248
			Gross Total Trips	*6,600*	*333*	*326*	*659*	*266*	*256*	*522*
Internal Trip Adjustment										
Gas Station with Convenience Store & Car Wash	Internal Trips[5]			-40	-5	-5	-10	-3	-3	-6
Fast Food Restaurant with Drive-Through Window	Internal Trips[5]			-40	-6	-6	-12	-3	-3	-6
			Total Internal Trips	*-80*	*-11*	*-11*	*-22*	*-6*	*-6*	*-12*
Pass-By Trip Adjustment										
Gas Station with Convenience Store & Car Wash	Pass-By Trips (40%)[3]			-1,240	-65	-65	-130	-55	-55	-110
Fast Food Restaurant with Drive-Through Window	Pass-By Trips (10%)[4]			-350	-17	-17	-34	-13	-13	-26
			Total Pass-By Trips	*-1,590*	*-82*	*-82*	*-164*	*-68*	*-68*	*-136*
Net-New Trips										
Gas Station with Convenience Store & Car Wash	Net-New Trips			1,810	92	92	184	79	79	158
Fast Food Restaurant with Drive-Through Window	Net-New Trips			3,120	148	141	289	113	103	216
			Net-New Trips	**4,930**	**240**	**233**	**473**	**192**	**182**	**374**

Notes:

1. ITE Trip Generation (11th Edition) land use category 945 (Gas Station with Convenience Store 4,000 – 5,500 sf, Adj. Streets, 7-9 AM, 4-6 PM, General Urban/Suburban):
    a. Daily: T = 257.13 (X)
    b. AM: T = 27.04 (X) (50% in, 50% out)
    c. PM: T = 22.76 (X) (50% in, 50% out)
2. ITE Trip Generation (11th Edition) land use category 934 (Fast Food Restaurant with drive through window, Adj. Streets, 7-9 AM, 4-6 PM, General Urban/Suburban):
    a. Daily: T = 467.48 (X)
    b. AM: T = 44.61 (X) (51% in, 49% out)
    c. PM: T = 33.03 (X) (52% in, 48% out)
3. Based ITE Trip Generation (11th Edition) pass-by rate (76% during AM, 75% during PM) for land use category 945; the rate was adjusted to 40% due to limited amount of adjacent street traffic.
4. Based ITE Trip Generation (11th Edition) pass-by rate (50% during AM, 55% during PM) for land use category 934; the rate was adjusted to 10% due to limited amount of adjacent street traffic.
5. Internal trip estimates based on MXD+ tool findings (3% AM, 2% PM, and 1% Daily).

Source: Fehr & Peers, 2025.

Project Trip Distribution & Assignment

Project trip distribution was estimated by using the Stanislaus Council of Governments (StanCOG) travel demand model. **Table 2** summarizes the estimated daily and peak hour distribution for the proposed project. The trip distribution was applied to the project trip generation to estimate project trip assignment. Daily and peak hour roadway segment project trip assignments are shown on **Figure 1. Figure 1** also summarizes existing peak hour roadway counts collected on May 8, 2024, and existing average daily traffic (ADT) counts collected May 14 - 16, 2024.

Table 2. Project Trip Distribution

Project Site Gateway	Project Trip Distribution
Keyes Road – East	30%
Keyes Road - West	5%
Central Avenue – North	50%
Central Avenue - South	15%
Total Distribution	**100%**

Source: Fehr & Peers, 2025

Table 3 summarizes intersection turning movement trip assignment for net-new trips for all project driveways and the adjacent Keyes Road/Central Avenue intersection. **Table 4** summarizes the project pass-by trips at the same study intersections.

Table 3. Project Trip Assignment – Net-New Trips

Intersection	Northbound[1]			Southbound[1]			Eastbound[1]			Westbound[1]		
	L	T	R	L	T	R	L	T	R	L	T	R
AM Peak Hour												
1. Central Avenue/Project Driveway North		62	16	53	67					7		54
2. Central Avenue/Project Driveway South		16	18	67	7					20		62
3. Keyes Road/Project Driveway				69		22	15					72
4. Keyes Road/Central Avenue		26	11		21	6	8	4		16	6	
PM Peak Hour												
1. Central Avenue/Project Driveway North		52	6	39	57					5		38
2. Central Avenue/Project Driveway South		6	23	57	5					22		52
3. Keyes Road/Project Driveway				55		10	10					57
4. Keyes Road/Central Avenue		22	7		20	7	7	3		7	3	

Notes:
1. L=left-turn movement, T=through movement, R=right-turn movement

Source: Fehr & Peers, 2025.

Table 4. Project Trip Assignment – Pass-By Trips

Intersection	Northbound[1]			Southbound[1]			Eastbound[1]			Westbound[1]		
	L	T	R	L	T	R	L	T	R	L	T	R
AM Peak Hour												
1. Central Avenue/Project Driveway North		-2		9	-9							2
2. Central Avenue/Project Driveway South		-12	12	33	-42					42		10
3. Keyes Road/Project Driveway				5		23	5	-5			-23	23
4. Keyes Road/Central Avenue												
PM Peak Hour												
1. Central Avenue/Project Driveway North		-1		7	-7							1
2. Central Avenue/Project Driveway South		-9	9	28	-35					35		8
3. Keyes Road/Project Driveway				4		20	4	-4			-20	20
4. Keyes Road/Central Avenue												

Notes:
1. L=left-turn movement, T=through movement, R=right-turn movement

Source: Fehr & Peers, 2025.

Existing VMT Patterns

Fehr & Peers used VMT+, a tool based on Streetlight Data's location-based services, to estimate existing VMT per capita for Stanislaus County and the project site block group. **Table 5** provides the results. The average daily VMT per Stanislaus County resident is 24.2, and 14.5 per worker. In unincorporated Stanislaus County, the averages are higher at 27.7 per resident and 16.8 per worker. The project site block group averages are lower, at 23.1 per resident and 11.1 per worker, indicating that residents and workers near the project site commute shorter distances compared to the county averages. The project site block group extends from Moffett Road to the east, Crows Landing Road to the west, Service Road to the north, and Keyes Road to the South.

Table 5. VMT Summary

Area	Average Daily Home-Based VMT per Resident	Average Daily Home-Based VMT per Worker
Stanislaus County (All)	24.2	14.5
Stanislaus County (Unincorporated)	27.7	16.8
Project Site Block Group[1]	23.1	11.1

Notes:
1. Project site block group extends from Moffett Road to the east, Crows Landing Road to the west, Service Road to the north, and Keyes Road to the South.

Source: Fehr & Peers, 2025.

VMT Screening Analysis

As of July 1, 2020, CEQA Guidelines Section 15064.3(b) states that the recommended metric for the evaluation of transportation impacts is VMT. It outlines the criteria for analyzing a project's transportation impacts. For land use projects, this section states that "vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact."

According to the OPR Technical Advisory, a land use project will have a significant transportation VMT impact if it:

- Does not meet the screening criteria outlined in the Technical Advisory
- Exceeds the applicable VMT threshold, which for the project is set to no net increase in total VMT

According to the OPR Technical Advisory, local-serving retail developments typically reduce VMT by redistributing and shortening trips rather than generating new ones. As a result, such developments are generally considered to have a less-than-significant transportation impact. OPR defines locally serving retail as developments with a building floor area of less than 50,000 sq. ft.

The proposed project, including the gas station, convenience store, carwash, and restaurant, has a combined floor area and gas station canopy under 50,000 sq. ft. **Therefore, it can be categorized as a locally serving retail project and is presumed to have a less-than-significant VMT impact**.

The project is expected to mostly serve pass-by traffic and the nearby communities of Ceres and Keyes. As shown in **Table 5**, residents and workers near the project site generate lower daily VMT compared to the county average, supporting the conclusion of a less-than-significant impact.

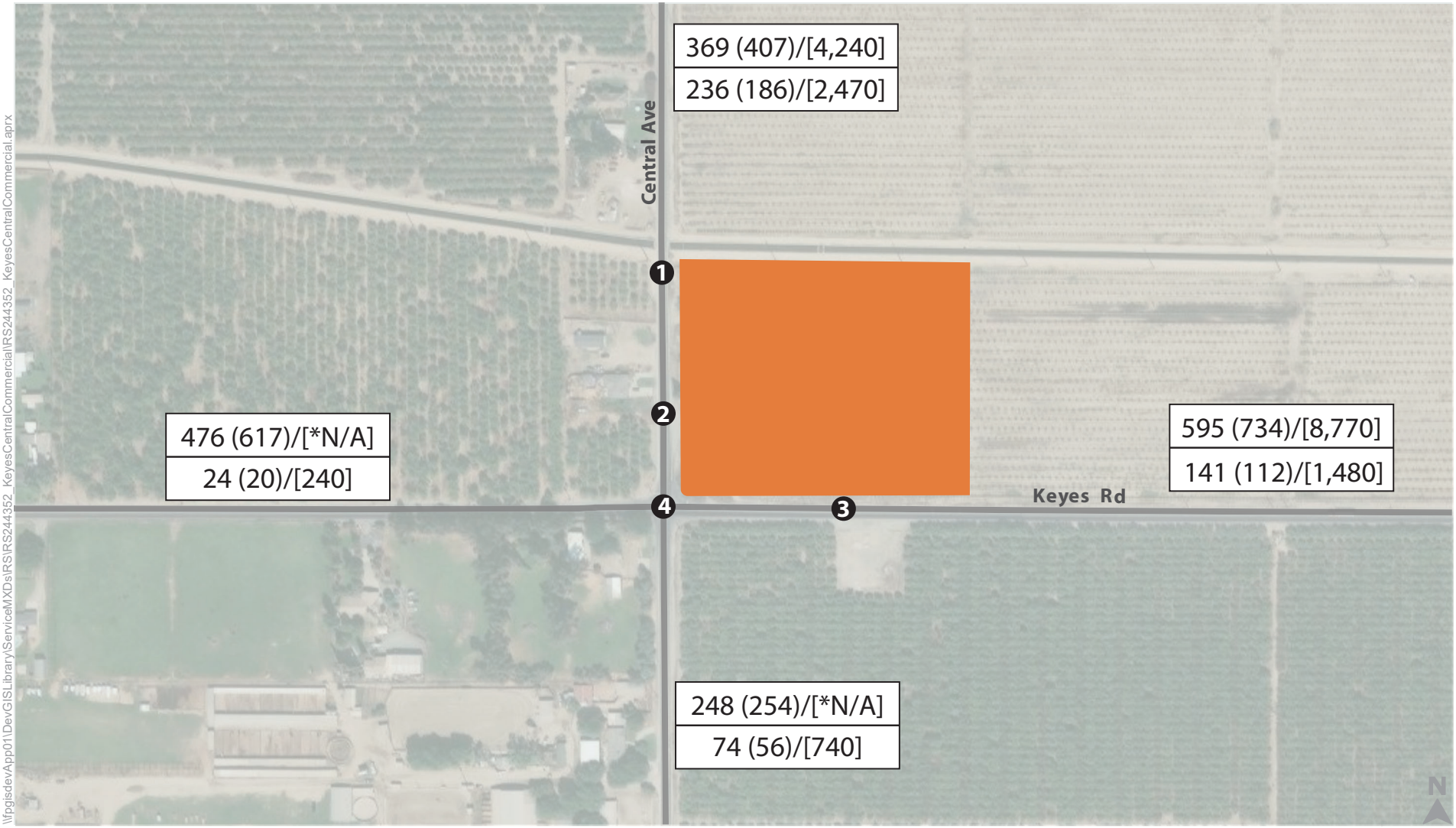
Conclusion

The proposed commercial development at the northeast corner of Keyes Road and Central Avenue in Stanislaus County is projected to generate approximately 6,600 gross daily trips, including 659 trips during the AM peak hour and 522 during the PM peak hour. After accounting for internal and pass-by trip reductions, the net-new trip estimates are 4,930 daily trips, 473 AM peak hour trips, and 374 PM peak hour trips. Given its classification as a locally serving retail project, the development is expected to have a less-than-significant VMT impact. Stanislaus County staff should review and verify the trip generation and VMT screening results.

Please contact Francisco Martin (f.martin@fehrandpeers.com or 209-210-5609) with any questions or comments on the information presented in this memorandum

Attachments

Figure 1 – Study Area Vehicle Volumes & Project Trip Assignment
Appendix A – Project Site Plan



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Study Intersections

Project Site

AM Peak Hour (PM Peak Hour)/[Average Daily Traffic] — Existing (2024) 2-Way Roadway Volumes

AM Peak Hour (PM Peak Hour)/[Average Daily Traffic] — Project Trip Assignment (New-New Trips)

Figure 1

Note: *Average Daily Traffic Counts not collected on this segment

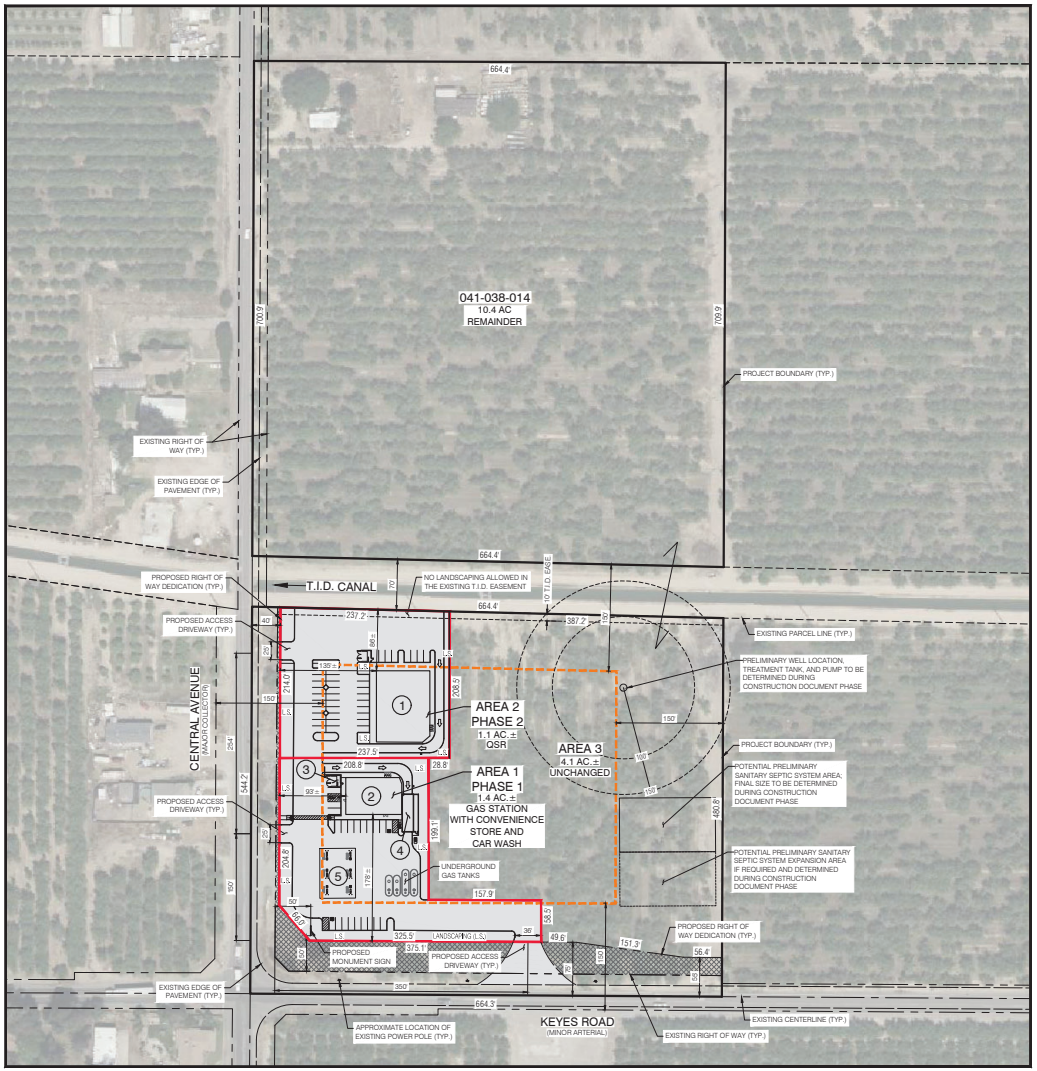
Study Area Vehicle Volumes & Project Trip Assignment

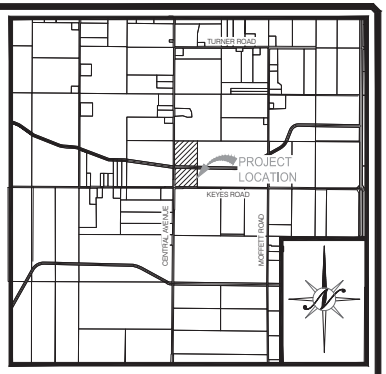
Appendix A. Project Site Plan

SITE PLAN FOR

KEYES ROAD AND CENTRAL AVENUE COMMERCIAL

STANISLAUS COUNTY, CALIFORNIA

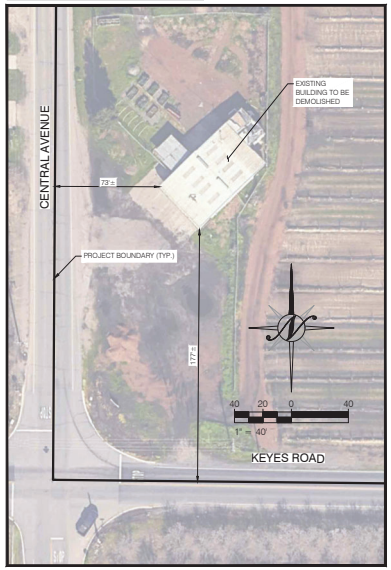




VICINITY MAP

N.T.S.

EXISTING STRUCTURE EXHIBIT



LEGEND

- 150' AGRICULTURAL BUFFER
- PROPOSED PROJECT AREA BOUNDARY, BY PHASE
- PROPOSED PROJECT AREA
- RIGHT OF WAY DEDICATION (TO BE CLEARED OF ALL TREES AND STRUCTURES)

PROPOSED STRUCTURE LEGEND

1. 7,500 S.F. QUICK SERVE RESTAURANT WITH DRIVE-THRU
2. 4,000 S.F. CONVENIENCE STORE
3. TRASH ENCLOSURE
4. CAR WASH
5. GAS PUMP CANOPY

EXISTING CONDITION NOTES

1. EXISTING BUILDING TO BE DEMOLISHED.
2. EXISTING TREES WITHIN AREA TO BE IMPROVED TO BE REMOVED.

PARKING TABLE

TOTAL PARKING SPACES REQUIRED (1 PER 300 S.F.) = 39
TOTAL PARKING SPACES PROPOSED = 55

LAND DESIGNATION

EXISTING ZONING/ GENERAL PLAN:
GENERAL AG 40 ACRE/ AGRICULTURE

PROPOSED ZONING/ GENERAL PLAN:
PLANNED DEVELOPMENT

PREPARED FOR

CLIENT:
NAPA FARMS, LLC
2561 4TH STREET
CERES, CA 95307
T: (209) 691-7094
CONTACT:
NAV ATHWAL

PREPARED BY

ENGINEER:
NORTH STAR ENGINEERING GROUP, INC.
620 12TH STREET
MODESTO, CA. 95354
(209) 524-3525
CONTACT:
MALLORIE FENRICH

PROJECT LOCATION

APN:
041-038-014 (NOT A PART) AND 015
STANISLAUS COUNTY, CA 95307

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NO.	DESCRIPTIONS	DATE	APPROVED

SITE PLAN

KEYES ROAD AND CENTRAL AVENUE
STANISLAUS COUNTY, CALIFORNIA

North Star Engineering Group, Inc.
• CIVIL ENGINEERING • SURVEYING • PLANNING •
620 12th Street
Modesto, CA 95354
(209) 524-3525 Phone
(209) 524-3526 Fax

JOB #:	23-3415
DATE:	07.04.2025
SCALE:	AS SHOWN
DRAWN:	PMH
DESIGN:	PMH
CHKD:	MF

SHEET NUMBER

EX1

DATED: 07/2025 11:13 - USER: PMH
G:\Projects\23-3415 Keyes Rd and Central Avenue Commercial\Planning\Site Plan\23-3415_EX1_SitePlan.dwg

Prepared For:	NAPA Farms, LLC Attn: Nav Athwal	Prepared By:	Johnson Johnson and Miller Air Quality Consulting Services Richard Miller, Air Quality and Climate Change Specialist Rmiller.jjm.environmental@gmail.com

Keyes-Central Commercial Development Project in Stanislaus County, CA

Date: February 16, 2026

Subject: Air Quality, Health Risk Analysis, and Greenhouse Gas Technical Analysis

This Air Quality, Health Risk Analysis, and Greenhouse Gas Technical Analysis was prepared to evaluate whether the estimated criteria air pollutant, ozone precursor, toxic air contaminant (TAC), and/or greenhouse gas (GHG) emissions generated from construction and/or operation of the Keyes-Central Commercial Development in Stanislaus County would cause significant impacts to air resources in the project area. The respective analyses were conducted within the context of the California Environmental Quality Act (CEQA) (California Public Resources Code [PRC] § 21000, et seq.). The methodology follows the Guidance for Assessing and Mitigating Air Quality Impacts (GAMAQI) prepared by the San Joaquin Valley Air Pollution Control District (SJVAPCD) for the quantification of emissions and evaluation of potential impacts to air resources[1] and the SJVAPCD's Guidance for Valley Land-Use Agencies in Addressing GHG Emission Impacts for New Projects under the California Environmental Quality Act.[2]

Project Location and Description

The proposed Keyes–Central Commercial Project (project or proposed project) consists of development of approximately 3.0 acres of a 7.2-acre parcel located at the northeast corner of Keyes Road and Central Avenue in unincorporated Stanislaus County, California (APNs 041-038-014 [not a part] and 041-038-015).

The proposed project consists of the development of three acres of this site for a gas station with a 4,000-square-foot convenience store with an attached drive-thru car wash, and a 7,500-square-foot shell building for commercial use.[3] The gasoline station would include six (6) pump stations beneath a canopy, providing a total of twelve (12) fueling positions, consisting of eight (8) gasoline dispensers and four (4) diesel dispensers.

The proposed project would be situated on the corner of Keyes Road and Central Avenue, with access points to both roads spaced per the Stanislaus County Improvement Standards. The site is currently occupied by row crops and one small existing agricultural-support building that would be demolished prior to construction. The site will be developed to Stanislaus County Standards.

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1 San Joaquin Valley Air Pollution Control District (SJVAPCD). 2015. Guidance for Assessing and Mitigating Air Quality Impacts. March 19. Website: https://www.valleyair.org/media/g4nl3p0g/gamaqi.pdf. Accessed December 31, 2025.

2 San Joaquin Valley Air Pollution Control District (SJVAPCD). 2009. Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA. December 17. Website: https://www.valleyair.org/Programs/CCAP/12-17-09/3%20CCAP%20-%20FINAL%20LU%20Guidance%20-%20Dec%2017%202009.pdf. Accessed September 2, 2025.

3 Consistent with the project-specific transportation analysis prepared by Fehr & Peers (July 29, 2025), the 7,500-square-foot commercial building is modeled in this analysis as a fast-food restaurant with drive-through service.

An aerial view of the project site and the project site plan are included as part of Attachment A.

Modeling Parameters and Assumptions

The following modeling parameters and assumptions were used to generate criteria air pollutant (including precursors), Toxic Air Contaminants (TACs), and greenhouse gas (GHG) emissions for the proposed project.

Air Pollutants and GHGs Assessed

Criteria Pollutants Assessed

The following criteria air pollutants were assessed in this analysis: reactive organic gases (ROG), oxides of nitrogen (NO_X), carbon monoxide (CO), sulfur oxides (SO_X), particulate matter less than 10 microns in diameter (PM_{10}), and particulate matter less than 2.5 microns in diameter ($PM_{2.5}$).

Note that the proposed project would emit ozone precursors ROG and NO_X. However, the proposed project would not directly emit ozone since it is formed in the atmosphere during the photochemical reaction of ozone precursors.

The proposed commercial project, including gasoline and diesel fueling, would not include sources expected to generate substantial quantities of SO_X emissions during construction or operation. There are no boilers, refineries, industrial combustion sources, or large stationary combustion sources proposed as part of the project. Modeling conducted for the project is provided in Attachment A and includes SO_2 emission estimates. Based on these results, no further analysis of SO_2 is required.

GHGs Assessed

This analysis was restricted to GHGs identified by AB 32, which include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3). The proposed project would generate a variety of GHGs, including several defined by AB 32 such as CO_2, CH_4, and N_2O.

Certain GHGs defined by AB 32 would not be emitted by the proposed commercial project. HFCs, PFCs, SF_6, and NF_3 are typically used in industrial applications, none of which would be used for typical commercial or gasoline and diesel fueling operations. Therefore, it is not anticipated that the proposed project would emit those GHGs.

GHG emissions associated with the proposed project construction, as well as future operations were estimated using CO_2 equivalent (CO_2e) emissions as a proxy for all GHG emissions. Construction GHG emissions were amortized over the lifetime of the proposed project. In order to obtain the CO_2e, an individual GHG is multiplied by its Global Warming Potential (GWP). The GWP designates on a pound for pound basis the potency of the GHG compared to CO_2.

Toxic Air Contaminants Assessed

Diesel Particulate Matter (DPM)

Studies indicate that diesel particulate matter (DPM) poses the greatest health risk among airborne TACs. The California Air Resources Board (CARB) conducted a 10-year research

program that demonstrated that DPM from diesel-fueled engines is a human carcinogen and that chronic (long-term) inhalation exposure to DPM poses a chronic long-term health risk.

DPM is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases: gas and particle. The gas phase is composed of many of the urban hazardous air pollutants, such as acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde, and polycyclic aromatic hydrocarbons. The particle phase also has many different types of particles that can be classified by size or composition. The size of diesel particulates that are of greatest health concern are those that are in the categories of fine and ultra-fine particles. The composition of these fine and ultra-fine particles may be composed of elemental carbon with adsorbed compounds such as organic compounds, sulfate, nitrate, metals, and other trace elements. Diesel exhaust is emitted from a broad range of diesel engines, such as the on-road diesel engines of trucks, buses, and cars, and off-road diesel engines that include locomotives, marine vessels, and heavy-duty equipment.[4]

For purposes of this analysis, DPM exhaust emissions are represented as particulate matter that is 10 micrometers in diameter and smaller (PM_{10}).

Asbestos

Asbestos is a fibrous mineral that both naturally occurs in ultramafic rock (a rock type commonly found in California) and is used as a processed component of building materials. Because asbestos has been proven to cause a number of disabling and fatal diseases, such as asbestosis and lung cancer, it is strictly regulated either based on its natural widespread occurrence or in its use as a building material. In the initial Asbestos National Emission Standards for Hazardous Air Pollutants rule promulgated in 1973, a distinction was made between building materials that would readily release asbestos fibers when damaged or disturbed (friable) and those materials that were unlikely to result in significant fiber release (non-friable). The U.S. Environmental Protection Agency (EPA) has since determined that, when severely damaged, otherwise non-friable materials can release significant amounts of asbestos fibers. Asbestos has been banned from many building materials under the Toxic Substances Control Act, the Clean Air Act, and the Consumer Product Safety Act. Naturally occurring asbestos (NOA) is known to occur in many parts of California and is commonly associated with ultramafic or serpentinite rock.

Benzene

Benzene is a VOC that occurs naturally in crude oil and is widely used in industrial processes and present as a constituent of gasoline and combustion-related emissions. CARB has identified benzene as a toxic air contaminant that contributes to cancer risk from long-term inhalation exposure. Chronic exposure to benzene has been associated with adverse health effects, including impacts to the blood-forming system and increased risk of leukemia.[5,6]

Benzene is emitted from gasoline-fueled vehicles, fuel storage and dispensing operations, and other combustion-related sources. At gasoline service stations, evaporative emissions from fuel

[4] California Air Resources Board (CARB). 2019. Overview: Diesel Exhaust and Health. Website: https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health. Accessed September 3, 2025.
[5] California Air Resources Board (CARB). 2024. *Benzene – Retail Service Stations.* Website: https://ww2.arb.ca.gov/resources/documents/benzene-retail-service-stations. Accessed February 2026.
[6] Office of Environmental Health Hazard Assessment (OEHHA). 2024. *Benzene Fact Sheet.* Website: https://www.p65warnings.ca.gov/fact-sheets/benzene. Accessed February 2026.

storage and transfer operations represent the primary source of benzene emissions. For purposes of this analysis, benzene emissions are represented as part of the modeled exhaust and evaporative emissions from motor vehicles and fuel dispensing activities.

Model Selection

Criteria Pollutants and GHG Emissions—Model Selection

The California Emissions Estimator Model (CalEEMod) is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and greenhouse gas (GHG) emissions associated with both construction and operations from a variety of land use projects. CalEEMod quantifies direct emissions from construction and operation activities (including vehicle use), as well as indirect emissions, such as GHG emissions from energy use, solid waste disposal, vegetation planting and/or removal, and water use. Further, CalEEMod identifies mitigation measures to reduce criteria pollutant and GHG emissions along with calculating the benefits achieved from measures chosen by the user.

CalEEMod was developed for the California Air Pollution Control Officers Association (CAPCOA) in collaboration with the California Air Districts. Default data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) have been provided in the model to account for local requirements and conditions.

The project is located in unincorporated Stanislaus County, near the community of Keyes, and is within the San Joaquin Valley Air Basin. The modeling follows SJVAPCD guidance, where applicable, from its GAMAQI. The models used in this analysis are summarized as follows:

- Construction emissions: CalEEMod, version 2022.1
- Operational emissions: CalEEMod, version 2022.1
- Operational TAC emissions: EMission FACtor (EMFAC) 2025
- Dispersion Model: American Meteorological Society/ Environmental Protection Agency Regulatory Model (AERMOD), version 24142
- Health Risk Metric Calculations: Hot Spots Analysis & Reporting Program 2 (HARP2)

Construction DPM emissions (represented as PM_{10} exhaust) were estimated using CalEEMod version 2022.1. Emissions were estimated for the unmitigated scenario, which included compliance with dust control measures that would be required through compliance with existing regulations.

Toxic Air Contaminants—Model Selection and Parameters

An air dispersion model is a mathematical formulation used to estimate the air quality impacts at specific locations (receptors) surrounding a source of emissions given the rate of emissions and prevailing meteorological conditions. The air dispersion model applied in this assessment was the U.S. EPA AERMOD (version 24142) air dispersion model. Specifically, AERMOD was used to estimate levels of air emissions at sensitive receptor locations from potential sources of project-generated TACs during the construction period. The use of AERMOD provides a refined methodology for estimating construction impacts by utilizing long-term, measured representative

meteorological data for the project site and a representative construction and operations schedule.

The modeling analysis also considered the spatial distribution and elevation of each emitting source in relation to the sensitive receptors. Direction-dependent calculations were obtained by identifying the Universal Transverse Mercator (UTM) coordinates for each source location. Terrain elevations were obtained for the project site using the AERMAP model, the AERMOD terrain data pre-processor. The air dispersion model assessment used meteorological data from the Modesto Station (Station #23258). The meteorological data used was preprocessed for use with AERMOD by the SJVAPCD and included data for the years 2018 to 2022; all years were used in the assessment. To evaluate the proposed project's localized impacts at the point of maximum impact, all receptors were placed within the breathing zone at 1.2 meters above ground level.

For the construction period, construction emissions were assumed to be distributed over the project site with a working schedule of eight hours per day and five days per week. Emissions were adjusted by a factor of 4.2 to convert for use with a 24-hour-per-day, 365 day-per-year averaging period. To assess impacts during construction, project operations were assessed assuming a 24-hour-per-day, and seven day-per-week schedule.

For operational emissions, heavy-duty truck DPM emissions were modeled assuming a 24-hour-per-day, seven day-per-week schedule to provide a conservative estimate of potential exposure.

Operational benzene emissions associated with gasoline fueling activities were modeled based on the proposed hours of operation. The fueling station would operate 24 hours per day, seven days per week; the convenience store would operate from 5:00 a.m. to 12:00 a.m.; and the car wash would operate from 7:00 a.m. to 7:00 p.m. Because the fueling station would be available 24 hours per day, benzene emissions from fuel storage, transfer, and vehicle refueling were assessed assuming continuous daily operation. Detailed modeling parameters and calculations are provided as part of Attachment B.

Assumptions

Land use inputs in CalEEMod were based on the project site plan and traffic study and reflect the proposed maximum development scenario. The total developable area modeled is approximately 3.0 acres and includes building pads, parking areas, and internal circulation.

- **Gasoline Service Station:** The project would include six (6) pump stations beneath a canopy, providing a total of twelve (12) fueling positions, consisting of eight (8) gasoline dispensers and four (4) diesel dispensers.
- **Convenience Market with Gas Pumps:** 4,000 square feet.
- **Automated Car Wash:** Modeled as a 2,500-square-foot automobile care facility.
- **Fast Food Restaurant with Drive-Through:** 7,500 square feet.
- **Parking and Internal Circulation Areas:** Included within the total 3.0-acre developable area and entered in CalEEMod as parking lot and other non-asphalt surface acreage for modeling purposes.

Construction Modeling Assumptions

Schedule

Construction is anticipated to occur in phases. The fueling station, convenience store, and associated site improvements would be developed first, followed by construction of the commercial building. The proposed project would require demolition, site preparation, grading, building construction, paving, and architectural coating (painting). Table 1 shows the construction schedule used to estimate emissions for purposes of assessing air quality impacts. For purposes of estimating regional emissions, construction of the entire project was modeled as a single phase in CalEEMod to provide a reasonably conservative estimate of emissions.

Table 1: Project Construction Schedule

Construction Task	Start Date	End Date	Number of Days per Week	Number of Workdays per Phase
Demolition	11/2/2026	11/13/2026	5	10
Site Preparation	11/14/2026	11/18/2026	5	3
Grading	11/19/2026	12/16/2026	5	20
Paving	12/17/2026	12/30/2026	5	10
Building Construction	12/17/2026	10/20/2027	5	220
Architectural Coating	10/01/2027	10/28/2027	5	20
Source: Modeling Assumptions and CalEEMod Output Files (Attachment A).				

The construction schedule utilized in the analysis represents a “worst-case” analysis scenario since emission factors for construction equipment decrease as the analysis year increases, due to improvements in technology and more stringent regulatory requirements. Therefore, construction emissions would be similar or decrease if the construction schedule moved to later years or is phased over multiple years. The duration of construction activity and associated equipment represent a reasonable approximation of the expected construction fleet as required per CEQA guidelines. The site-specific construction fleet may vary due to specific project needs at the time of construction.

Equipment

The off-road equipment fleet assumptions for construction were generated using default values from CalEEMod. CalEEMod generates construction fleets for construction activities based on the size of the construction areas. Construction equipment for each construction activity is shown in Table 2.

Table 2: Project Construction Equipment

Construction Task	Equipment Type	Pieces of Equipment	Usage (hours/day)	Horsepower	Load Factor	Fuel Type
Demolition	Tractors/Loaders/Backhoes	3	8	84	0.37	Diesel
	Rubber Tired Dozers	1	8	367	0.40	Diesel
	Concrete/Industrial Saws	1	8	33	0.73	Diesel

Construction Task	Equipment Type	Pieces of Equipment	Usage (hours/day)	Horsepower	Load Factor	Fuel Type
Site Preparation	Graders	1	8	148	0.41	Diesel
	Scrapers	1	8	423	0.48	Diesel
	Tractors/Loaders/Backhoes	1	7	84	0.37	Diesel
Grading	Graders	1	8	148	0.41	Diesel
	Rubber Tired Dozers	1	8	367	0.40	Diesel
	Tractors/Loaders/Backhoes	2	7	84	0.37	Diesel
Paving	Tractors/Loaders/Backhoes	1	8	84	0.37	Diesel
	Pavers	1	8	81	0.42	Diesel
	Paving Equipment	1	8	89	0.36	Diesel
	Rollers	2	8	36	0.38	Diesel
	Cement and Mortar Mixers	1	8	10	0.56	Diesel
Building Construction	Cranes	1	8	367	0.29	Diesel
	Forklifts	2	7	82	0.20	Diesel
	Generator Sets	1	8	14	0.74	Diesel
	Tractors/Loaders/Backhoes	1	6	84	0.37	Diesel
	Welders	3	8	46	0.45	Diesel
Architectural Coating	Air Compressors	1	6	37	0.48	Diesel

Notes:
CalEEMod-default equipment usage retained in modeling to present a reasonably conservative estimate of emissions.
Source: Modeling Assumptions and CalEEMod Output Files (Attachment A).

Vehicles Trips

Table 3 provides a summary of the construction-related vehicle trips. CalEEMod default values were used to estimate the number of construction-related vehicle trips and were supplemented with additional purpose-based trips to avoid underestimating emissions from on-road vehicles anticipated during the construction period.

The project site currently includes row crops and one small existing agricultural-support building, which would be demolished prior to construction. For modeling purposes, demolition of the existing structure was included in CalEEMod as a small non-residential building demolition (3,000 square feet was assumed). Demolition-related emissions would be temporary and would be minor compared to emissions associated with subsequent site development and construction activities; however, the demolition component was included in the model to ensure the full construction scope is represented.

The default values for hauling trips are based on the assumption that a truck can haul 20 tons (or 16 cubic yards) of material per load. If one load of material is delivered, CalEEMod assumes that one haul truck importing material will also have a return trip with an empty truck (e.g., 2 one-way trips).

The fleet mix for worker trips is light-duty passenger vehicles to light-duty trucks. The vendor trips fleet mix is composed of a mixture of medium and heavy-duty diesel trucks. The hauling

trips were assumed to be 100 percent heavy-duty diesel truck trips. CalEEMod default trip lengths for a project in Stanislaus County were used for the worker (10.79 miles), vendor (7.17 miles), and hauling (20 miles) trips.

Table 3: Construction Vehicle Trips

Construction Task	Worker Trips per Day	Vendor Trips per Day	Haul Trips per Day
Demolition	12.50	4.00	3.50
Site Preparation	7.50	4.00	0.00
Grading	10.00	4.00	62.50
Paving	15.00	4.00	0.00
Building Construction	5.23	2.29	0.00
Architectural Coating	2.00	4.00	0.00

Notes:
Additional vendor trips were added to account for delivery of materials.
Cut and fill estimates: The site is relatively flat and is anticipated to generally balance in terms of earthwork. Nevertheless, to provide a conservative estimate, the modeling assumes approximately 5,000 cubic yards of cut to be exported and 5,000 cubic yards of fill to be imported to provide a conservative estimate of emissions.
Demolition: A small non-residential building demolition input (3,000 building square feet) was included in CalEEMod. Demolition emissions would be temporary and minor relative to overall construction.
CalEEMod default trips account for miscellaneous trips in the building construction phases, which were retained in the modeling.
Source: Modeling Assumptions and CalEEMod Output Files (Attachment A).

Operational Modeling Assumptions

Operational emissions are those emissions that occur during operation of the proposed project. The sources are summarized below.

Motor Vehicles

Motor vehicle emissions include exhaust and road dust emissions generated by automobiles traveling to and from the project site during operations. Emission estimates were developed using assumptions consistent with the project-specific traffic memorandum prepared by Fehr & Peers (July 29, 2025).

For purposes of estimating air pollutant emissions, project-generated trips traveling to and from the site were included in the analysis. Internal capture reductions were applied directly to total trip generation to reflect trips shared among on-site land uses. Pass-by reductions were applied to the trip type percentages within the model, consistent with the methodology and assumptions documented in the traffic report.

Detailed trip generation and adjustment assumptions are provided in Attachment A.

Vehicle Fleet Mix

The vehicle fleet mix is defined as the mix of motor vehicle classes active during the operation of the proposed project. Emission factors are assigned to the expected vehicle mix as a function of vehicle class, speed, and fuel use (gasoline- and diesel-powered vehicles). The CalEEMod default vehicle fleet mix for the project region (Stanislaus County) was used in the analysis.

Area Sources

Consumer Products

Consumer products are various solvents used in non-industrial applications, which emit VOCs during their product use. “Consumer Product” means a chemically formulated product used by household and institutional consumers, including but not limited to: detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. It does not include other paint products, furniture coatings, or architectural coatings. CalEEMod includes default consumer product use rates based on building square footage. The default emission factors developed for CalEEMod were used for consumer products were used.

Architectural Coatings (Painting)

Paints release VOC emissions. The buildings (convenience store and commercial building) included in the proposed project may be repainted on occasion. CalEEMod defaults were used to estimate the emissions associated with repainting during long-term project operations.

Landscaping Emissions

CalEEMod estimates a total of 180 days for which landscaping equipment would be used to estimate potential emissions for the proposed project.

Indirect Emissions

For GHG emissions, CalEEMod contains calculations to estimate indirect GHG emissions. Indirect emissions are emissions where the location of consumption or activity is different from where actual emissions are generated. For example, electricity would be consumed at the proposed project site; however, emissions associated with producing that electricity are generated off-site at a power plant.

Energy Use

The emissions associated with the building electricity and natural gas usage (non-hearth) were estimated based on the land use type and size.

The Renewables Portfolio Standard (RPS) took effect in 2020. The Renewable Electricity Standard requires that electricity providers include a minimum of 33 percent renewable energy in their portfolios by the year 2020. The utilities in California will be required to increase the use of renewable energy sources to 60 percent by 2030.

Other Indirect Emissions (Water Use, Wastewater Use, and Solid Waste)

CalEEMod includes calculations for indirect GHG emissions for electricity consumption, water consumption, and solid waste disposal. For water consumption, CalEEMod calculates embedded energy (e.g., treatment, conveyance, distribution) associated with providing each gallon of potable water to the project. For solid waste disposal, GHG emissions are associated with the disposal of solid waste generated by the proposed project into landfills. CalEEMod default data were used for inputs associated with solid waste.

AIR QUALITY

Environmental Setting

Air quality impacts are both local and regional. Regional and local air quality is impacted by topography, dominant airflows, atmospheric inversions, location, and season. The proposed project is located in unincorporated Stanislaus County, near the community of Keyes. The project site and Stanislaus County are within the San Joaquin Valley Air Basin (Air Basin or SJV Air Basin), which experiences some of the most challenging environmental conditions for air quality in the nation. The following section describes these conditions as they pertain to the Air Basin. The information in this section is primarily from the SJVAPCD's GAMAQI.[7]

Topography

The topography of a region is important for air quality because mountains can block airflow that would help disperse pollutants and can channel air from upwind areas that transports pollutants to downwind areas. The SJVAPCD covers the entirety of the SJV Air Basin. The Air Basin is generally shaped like a bowl. It is open in the north and is surrounded by mountain ranges on all other sides. The Sierra Nevada mountains are along the eastern boundary (8,000 to 14,000 feet in elevation), the Coast Ranges are along the western boundary (3,000 feet in elevation), and the Tehachapi Mountains are along the southern boundary (6,000 to 8,000 feet in elevation).

Climate

The climate is important for air quality because of differences in the atmosphere's ability to trap pollutants close to the ground, which creates adverse air quality; inversely, the atmosphere's ability to rapidly disperse pollutants over a wide area prevents high concentrations from accumulating under different climatic conditions. The SJV Air Basin has an "inland Mediterranean" climate and is characterized by long, hot, dry summers and short, foggy winters. Sunlight can be a catalyst in the formation of some air pollutants (such as ozone); the SJV Air Basin averages over 260 sunny days per year.

Inversion layers are significant in determining pollutant concentrations. Concentration levels can be related to the amount of mixing space below the inversion. Temperature inversions that occur on the summer days are usually encountered 2,000 to 2,500 feet above the valley floor. In winter months, overnight inversions occur 500 to 1,500 feet above the valley floor.

Dominant airflows provide the driving mechanism for transport and dispersion of air pollution. The mountains surrounding the SJV Air Basin form natural horizontal barriers to the dispersion of air contaminants. The wind generally flows south-southeast through the valley, through the Tehachapi Pass and into the Mojave Desert Air Basin portion of Kern County. As the wind moves through the SJV Air Basin, it mixes with the air pollution generated locally, generally transporting air pollutants from the north to the south in the summer and in a reverse flow in the winter.

The winds and unstable air conditions experienced during the passage of winter storms result in periods of low pollutant concentrations and excellent visibility. Between winter storms, high pressure and light winds allow cold moist air to pool on the San Joaquin Valley floor. This creates

[7] San Joaquin Valley Air Pollution Control District (SJVAPCD). 2015. Guidance for Assessing and Mitigating Air Quality Impacts. March 19. Website: https://www.valleyair.org/media/g4nl3p0g/gamaqi.pdf. Accessed December 31, 2025.

strong, low-level temperature inversions and very stable air conditions, which can lead to Tule fog. Wintertime conditions favorable to fog formation are also conditions favorable to high concentrations of $PM_{2.5}$ and PM_{10}.

Criteria Air Pollutants

The Federal Clean Air Act (FCAA) establishes the framework for modern air pollution control. The FCAA, enacted in 1970 and amended in 1990, directs the U.S. EPA to establish ambient air quality standards. These standards are divided into primary and secondary standards. The primary standards are set to protect human health, and the secondary standards are set to protect environmental values, such as plant and animal life. The FCAA requires the EPA to set National Ambient Air Quality Standards for the six criteria air pollutants. These pollutants include particulate matter (PM), ground-level ozone, carbon monoxide (CO), sulfur oxides, nitrogen oxides, and lead.

Toxic Air Contaminants

A toxic air contaminant (TAC) is an air pollutant not included in the California Ambient Air Quality Standards, but TACs are considered hazardous to human health. Toxic air contaminants are defined by the California Air Resources Board (CARB) as those pollutants that, “may cause or contribute to an increase in deaths or in serious illness, or which may pose a present or potential hazard to human health.”

The health effects associated with TACs are generally assessed locally rather than regionally. Toxic air contaminants can cause long-term health effects such as cancer, birth defects, neurological damage, asthma, bronchitis, or genetic damage; TACs can also cause short-term acute effects such as eye watering, respiratory irritation, running nose, throat pain, and headaches. For evaluation purposes, TACs are separated into carcinogens and noncarcinogens. Carcinogens are assumed to have no safe threshold below which health impacts would not occur, and the cancer risk is expressed as excess cancer cases per one million exposed individuals (typically over a lifetime of exposure).

TACs of concern assessed in this analysis include asbestos, DPM, and benzene.

Sensitive Receptors

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Heightened sensitivity may be caused by health problems, proximity to the emissions source, and/or duration of exposure to air pollutants. Children, pregnant women, the elderly, and those with existing health problems are especially vulnerable to the effects of air pollution. Accordingly, land uses that are typically considered to be sensitive receptors include residences, schools, childcare centers, playgrounds, retirement homes, convalescent homes, hospitals, and medical clinics.

Air Quality Standards

The Clean Air Act requires states to develop a general plan to attain and maintain the standards in all areas of the country and a specific plan to attain the standards for each area designated nonattainment. These plans, known as State Implementation Plans or SIPs, are developed by state and local air quality management agencies and submitted to EPA for approval.

The SIP for the State of California is administered by the CARB, which has overall responsibility for statewide air quality maintenance and air pollution prevention. California's SIP incorporates individual federal attainment plans for each regional air district. SIPs are prepared by the regional air district and sent to CARB to be approved and incorporated into the California SIP. Federal attainment plans include the technical foundation for understanding air quality (e.g., emission inventories and air quality monitoring), control measures and strategies, and enforcement mechanisms.

The CARB also administers the California Ambient Air Quality Standards (CAAQS) for the 10 air pollutants designated in the California Clean Air Act. The 10 state air pollutants include the six federal criteria pollutant standards listed above as well as visibility-reducing particulates, hydrogen sulfide, sulfates, and vinyl chloride. The federal and state ambient air quality standards are summarized in Table 4.

Table 4: California and National Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards	National Standards	
		Concentration	Primary	Secondary
Ozone	1 Hour	0.09 ppm (180 µg/m^3)	—	Same as Primary Standard
	8 Hour	0.070 ppm (137 µg/m^3)	0.070ppm (137 µg/m^3)	
Respirable Particulate Matter	24 Hour	50 µg/m^3	150 µg/m3	Same as Primary Standard
	Annual Arithmetic Mean	20 µg/m^3	—	
Fine Particulate Matter	24 Hour	—	35 µg/m^3	Same as Primary Standard
	Annual Arithmetic Mean	12 µg/m^3	9 µg/m^3	15.0 µg/m^3
Carbon Monoxide	1 Hour	20 ppm (23 mg/m^3)	35 ppm (40 mg/m^3)	—
	8 Hour	9.0 ppm (10 mg/m^3)	9 ppm (10 mg/m^3)	—
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)	—	—
Nitrogen Dioxide	1 Hour	0.18 ppm (339 µg/m^3)	100 ppb (188 µg/m^3)	—
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)	0.053 ppm (100 µg/m^3)	Same as Primary Standard
Sulfur Dioxide	1 Hour	0.25 ppm (655 µg/m^3)	75 ppb (196 µg/m^3)	—
	3 Hour	—	—	0.5 ppm (1300 µg/m^3)
	24 Hour	0.04 ppm (105 µg/m^3)	0.14 ppm (for certain areas)	—
	Annual Arithmetic Mean	—	0.030 ppm (for certain areas)	—
Lead	30-Day Average	1.5 µg/m^3	—	—
	Calendar Quarter	—	1.5 µg/m^3	

Pollutant	Averaging Time	California Standards	National Standards	
		Concentration	Primary	Secondary
	Rolling 3-Month Average	—	0.15 µg/m^3	Same as Primary Standard
Visibility-Reducing Particles	8 Hour	See Footnote 1	No National Standards	
Sulfates	24 Hour	25 µg/m^3		
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)		
Vinyl Chloride	24 Hour	0.01 ppm (26 µg/m^3)		

Notes:
1 - In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.
2 - The EPA in February 2024 lowered the primary annual $PM_{2.5}$ NAAQS from 12.0 µg/m³ to 9.0 µg/m³, while the secondary standard remained at 15.0 µg/m³. States have to submit area designations for nonattainment under the new standard by February 2025, and EPA will finalize by February 2026.
µg/m3 =micrograms per cubic meter
CARB = California Air Resources Board
mg/m3 = milligrams per cubic meter
ppm = parts per million
Sources:
California Air Resources Board (CARB). 2017. Air Quality Standards. Website: https://www.baaqmd.gov/about-air-quality/research-and-data/air-quality-standards-and-attainment-status. Accessed December 31, 2025.
U.S. Environmental Protection Agency (EPA). 2024. National Ambient Air Quality Standards (NAAQS) for Particulate Matter (PM). Washington, DC: U.S. EPA, February 7, 2024. https://www.epa.gov/pm-pollution/national-ambient-air-quality-standards-naaqs-pm. Accessed December 31, 2025.

Federal and state air quality laws require identification of areas not meeting the ambient air quality standards. These areas must develop regional air quality plans to eventually attain the standards. The SJV Air Basin is currently designated nonattainment for ozone and $PM_{2.5}$ and is classified as a maintenance area for PM_{10} under the federal National Ambient Air Quality Standards.[8,9,10]

Thresholds of Significance

Project-level Thresholds

The CEQA Guidelines define a significant effect on the environment as “a substantial, or potentially substantial, adverse change in the environment.” To determine if a project would have a significant impact on air quality, the type, level, and impact of emissions generated by the proposed project must be evaluated.

[8] San Joaquin Valley Air Pollution Control District (SJVAPCD). 2017. Ambient Air Quality Standards & Valley Attainment Status. Website: https://www.valleyair.org/aqinfo/attainment.htm. Accessed September 3, 2023.

[9] U.S. Environmental Protection Agency (EPA). Nonattainment Areas for Criteria Pollutants (Green Book). Washington, DC: U.S. EPA, updated August 2025. Website: https://www3.epa.gov/airquality/greenbook/ancl.html. Accessed September 2025.

[10] San Joaquin Council of Governments (SJCOG). *Air Quality and Transportation Conformity*. Stockton, CA: SJCOG, 2025. https://www.sjcog.org/281/Air-Quality. Accessed September 2025.

This analysis uses the air quality significance thresholds contained in Appendix G of the CEQA Guidelines. A significant impact would occur if the proposed project would:

a) Conflict with or obstruct implementation of the applicable air quality plan.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or State ambient air quality standard.

c) Expose sensitive receptors to substantial pollutant concentrations.

d) Create objectionable odors affecting a substantial number of people.

Stanislaus County has not established specific CEQA significance thresholds. Where available guidance provided by the applicable air district can be used to make significance determinations for the CEQA questions listed above. While the final determination of whether a project is significant is within the purview of the Lead Agency pursuant to Section 15064(b) of the CEQA Guidelines, the SJVAPCD recommends that its quantitative air pollution thresholds be used to determine the significance of project emissions in accordance with the Appendix G requirements. If a Lead Agency finds that a project has the potential to exceed these air pollution thresholds, according to the SJVAPCD, the project should be considered to have significant air quality impacts.

Air pollutant emissions have regional effects and localized effects. This analysis assesses the regional effects of the project's criteria pollutant emissions in comparison to SJVAPCD thresholds of significance for short-term construction activities and long-term operation of the project. Localized emissions from project construction and operation are also assessed using concentration-based thresholds that determine if the project would result in a localized exceedance of any ambient air quality standards or would make a cumulatively considerable contribution to an existing exceedance.

The primary pollutants of concern during project construction and operation are ROG, NO_X, PM_{10}, and $PM_{2.5}$. The SJVAPCD GAMAQI adopted in 2015 contains thresholds for ROG and NO_X; SO_X, CO, PM_{10}, and $PM_{2.5}$.

Ozone is a secondary pollutant that can be formed miles away from the source of emissions through reactions of ROG and NO_X emissions in the presence of sunlight. Therefore, ROG and NO_x are termed ozone precursors. The SJVAB often exceeds the state and national ozone standards. Therefore, if the project emits a substantial quantity of ozone precursors, the project may contribute to an exceedance of the ozone standard. The SJVAB also exceeds air quality standards for PM_{10}, and $PM_{2.5}$; therefore, substantial project emissions may contribute to an exceedance for these pollutants.

The SJVAPCD has adopted significance thresholds for construction-related and operational emissions. These thresholds will be identified and addressed in the appropriate section of this document.

Project construction would involve the use of diesel-fueled vehicles and equipment that emit DPM, which is considered a TAC. Once operational, some diesel-fueled vehicles would access

the project site. The following project-specific health risk significance thresholds are applied in this analysis:

- Maximum Incremental Cancer Risk: >=20 in 1 million.
- Hazard Index (project increment) >=1.0.

Fugitive Dust

Construction

Fugitive dust would be generated from site grading and other earth-moving activities. Most of this fugitive dust would remain localized and would be deposited near the project site. However, the potential for impacts from fugitive dust exists unless control measures are implemented to reduce the emissions from the project site. Therefore, adherence to Regulation VIII would be required during construction of the proposed project. Regulation VIII would require fugitive dust control measures that are consistent with best management practices (BMPs) established by the SJVAPCD to reduce the proposed project's construction-generated fugitive dust impacts to a less than significant level.

The SJVAPCD (SJVAPCD or District) adopted Regulation VIII in 1993 and its most recent amendments became effective on October 1, 2004. This is a basic summary of the regulation's requirements as they apply to construction sites. These regulations affect all workers at a regulated construction site, including everyone from the landowner to the subcontractors. Violations of Regulation VIII are subject to enforcement action including fines.[11]

Visible Dust Emissions may not exceed 20 percent opacity during periods when soil is being disturbed by equipment or by wind at any time. Visible Dust Emissions opacity of 20 percent means dust that would obstruct an observer's view of an object by 20 percent. District inspectors are state certified to evaluate visible emissions. Dust control may be achieved by applying water before/during earthwork and onto unpaved traffic areas, phasing work to limit dust, and setting up wind fences to limit windblown dust.

Soil Stabilization is required at regulated construction sites after normal working hours and on weekends and holidays. This requirement also applies to inactive construction areas such as phased projects where disturbed land is left unattended. Applying water to form a visible crust on the soil and restricting vehicle access are often effective for short-term stabilization of disturbed surface areas. Long-term methods including applying dust suppressants and establishing vegetative cover.

Carryout and Trackout occur when materials from emptied or loaded vehicles falls onto a paved surface or shoulder of a public road or when materials adhere to vehicle tires and are deposited onto a paved surface or shoulder of a public road. Should either occur, the material must be cleaned up at least daily, and immediately if it extends more than 50 feet from the exit point onto a paved road. The appropriate clean-up methods require the complete removal and cleanup of mud and dirt from the paved surface and shoulder. Using a blower device or dry sweeping with any mechanical device other than a PM10-efficient street sweeper is a violation. Larger construction sites, or sites with a high amount of traffic on one or more days, must

[11] San Joaquin Valley Air Pollution Control District (SJVAPCD). 2007. Compliance Assistance Bulletin. Website: http://www.valleyair.org/busind/comply/pm10/forms/RegVIIICAB.pdf. Accessed September 3, 2025.

prevent carryout and trackout from occurring by installing gravel pads, grizzlies, wheel washers, paved interior roads, or a combination thereof at each exit point from the site. In many cases, cleaning up trackout with water is also prohibited as it may lead to plugged storm drains. Prevention is the best method.

Unpaved Access and Haul Roads, as well as unpaved vehicle and equipment traffic areas at construction sites, must have dust control. Speed limit signs limiting vehicle speed to 15 mph or less at construction sites must be posted every 500 feet on uncontrolled and unpaved roads.

Storage Piles and Bulk Materials have handling, storage, and transportation requirements that include applying water when handling materials, wetting or covering stored materials, and installing wind barriers to limit visible dust emissions. Also, limiting vehicle speeds, loading haul trucks with a freeboard of six inches or greater along with applying water to the top of the load, and covering the cargo compartments are effective measures for reducing visible dust emissions and carryout from vehicles transporting bulk materials.

Dust Control Plans identify the dust sources and describe the dust control measures that will be implemented before, during, and after any dust generating activity for the duration of the project. Owners or operators are required to submit plans to the SJVAPCD at least 30 days prior to commencing the work for the following:

- Residential developments of ten or more acres of disturbed surface area.
- Non-residential developments of five or more acres of disturbed surface area.
- The relocation of more than 2,500 cubic yards per day of materials on at least three days.

Operations may not commence until the SJAVPCD has approved the Dust Control Plan. A copy of the plan must be on site and available to workers and District employees. All work on the site is subject to the requirements of the approved dust control plan. A failure to abide by the plan by anyone on site may be subject to enforcement action.

Record Keeping is required to document compliance with the rules and must be kept for each day any dust control measure is used. The SJVAPCD has developed record forms for water application, street sweeping, and “permanent” controls such as applying long term dust palliatives, vegetation, ground cover materials, paving, or other durable materials. Records must be kept for one year after the end of dust generating activities (Title V sources must keep records for five years).

Exemptions exist for several activities. Those occurring above 3,000 feet in elevation are exempt from all Regulation VIII requirements. Further, Rule 8021 – Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities exempts the following construction and earthmoving activities:

- Blasting activities permitted by California Division of Industrial Safety.
- Maintenance or remodeling of existing buildings provided the addition is less than 50% of the size of the existing building or less than 10,000 square feet (due to asbestos concerns, contact the SJVAPCD at least two weeks ahead of time).
- Additions to single family dwellings.
- The disking of weeds and vegetation for fire prevention on sites smaller than ½ acre.

- Spreading of daily landfill cover to preserve public health and safety and to comply with California Integrated Waste Management Board requirements.

Nuisances are prohibited at all times because District Rule 4102 – Nuisance applies to all construction sources of fugitive dust, whether or not they are exempt from Regulation VIII. It is important to monitor dust-generating activities and implement appropriate dust control measures to limit the public's exposure to fugitive dust.

Environmental Impact Analysis

This section discusses potential impacts related to air quality associated with the proposed project and provides mitigation measures where necessary.

Impact AIR-1 Conflict with or obstruct implementation of the applicable air quality plan?

Impact Analysis

The CEQA Guidelines indicate that a significant impact would occur if the project would conflict with or obstruct implementation of the applicable air quality plan. The GAMAQI indicates that projects that do not exceed SJVAPCD regional criteria pollutant emissions quantitative thresholds would not conflict with or obstruct the applicable air quality plan (AQP). An additional criterion regarding the project's implementation of control measures was assessed to provide further evidence of the project's consistency with current AQPs. This document proposes the following criteria for determining project consistency with the current AQPs:

1. Will the project result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQPs? This measure is determined by comparison to the regional thresholds identified by the District for Regional Air Pollutants.

2. Will the project comply with applicable control measures in the AQPs? The primary control measures applicable to development projects include Regulation VIII—Fugitive PM_{10} Prohibitions and Rule 9510 Indirect Source Review.

Contribution to Air Quality Violations

A measure for determining if the project is consistent with the air quality plans is if the project would not result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the air quality plans. Regional air quality impacts and attainment of standards are the result of the cumulative impacts of all emission sources within the air basin. Individual projects are generally not large enough to contribute measurably to an existing violation of air quality standards. Therefore, the cumulative impact of the project is based on its cumulative contribution. Because of the region's nonattainment status for ozone, $PM_{2.5}$, and PM_{10}—if project-generated emissions of either of the ozone precursor pollutants (ROG and NO_X), PM_{10}, or $PM_{2.5}$ would exceed the SJVAPCD's significance thresholds—then the project would be considered to contribute to violations of the applicable standards and conflict with the attainment plans.

As shown in Table 5 and Table 6 under Impact AIR-2 below, the project's construction and operational regional emissions would not exceed SJVAPCD's regional criteria pollutant emissions quantitative thresholds. Therefore, the proposed project would not be considered in conflict with or obstruct implementation of the applicable air quality plan based on this criterion.

Compliance with Applicable Control Measures

SJVAPCD's AQPs contain a number of control measures, which are enforceable requirements through the adoption of rules and regulations. A description of rules and regulations that apply to this project is provided below.

> **SJVAPCD Rule 9510—Indirect Source Review (ISR)** is a control measure in the 2006 PM_{10} Plan that requires NO_X and PM_{10} emission reductions from development projects in the San Joaquin Valley. The NO_X emission reductions help reduce the secondary formation of PM_{10} in the atmosphere (primarily ammonium nitrate and ammonium sulfate) and also reduce the formation of ozone. Reductions in directly emitted PM_{10} reduce particles such as dust, soot, and aerosols. Rule 9510 is also a control measure in the 2016 Plan for the 2008 8-Hour Ozone Standard. Developers of projects subject to Rule 9510 must reduce emissions occurring during construction and operational phases through on-site measures or pay off-site mitigation fees. The proposed project would be subject to Rule 9510.
>
> **Regulation VIII—Fugitive PM_{10} Prohibitions** is a control measure that is one of the main strategies from the 2006 PM_{10} for reducing the PM_{10} emissions that are part of fugitive dust. Residential projects over 10 acres and non-residential projects over 5 acres are required to file a Dust Control Plan (DCP) containing dust control practices sufficient to comply with Regulation VIII. The project will be required to comply with Regulation VIII and would implement dust control measures during the construction period.

Other control measures that apply to the project are Rule 4641—Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operation that requires reductions in VOC emissions during paving and Rule 4601—Architectural Coatings that limits the VOC content of all types of paints and coatings sold in the San Joaquin Valley. These measures apply at the point of sale of the asphalt and the coatings, so project compliance is ensured without additional mitigation measures. Components of the project may be required to obtain permits and abide by associated regulations set forth by Rule 2201—New and Modified Stationary Source Review Rule. Rule 2201 requires the review of new and modified Stationary Sources of air pollution and to provide mechanisms including emission trade-offs by which Authorities to Construct such sources may be granted, without interfering with the attainment or maintenance of Ambient Air Quality Standards.

The project would comply with all applicable SJVAPCD rules and regulations. Therefore, the proposed project would not conflict with or obstruct implementation of the applicable air quality attainment plan under this criterion.

Conclusion

As described above, the proposed project's construction and operational regional emissions would not exceed SJVAPCD's regional criteria pollutant emissions quantitative thresholds. Furthermore, the proposed project would comply with all applicable SJVAPCD rules and regulations. Accordingly, the proposed project would not conflict with or obstruct implementation of the applicable air quality plans, and, therefore, this impact would be less than significant.

Level of Significance Before Mitigation
Less than significant.

Mitigation Measures
No mitigation measures are necessary.

Impact AIR-2 Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or State ambient air quality standard?

Impact Analysis

For an impact to be considered less than significant, the following criteria must be met:

1. Regional analysis: emissions of nonattainment pollutants must be below the SJVAPCD's regional significance thresholds. This is an approach recommended by the District in its GAMAQI.
2. Summary of projections: the project must be consistent with current air quality attainment plans including control measures and regulations. This is an approach consistent with Section 15130(b) of the CEQA Guidelines.
3. Cumulative health impacts: the project must result in less than significant cumulative health effects from the nonattainment pollutants. This approach correlates the significance of the regional analysis with health effects, consistent with the court decision, *Bakersfield Citizens for Local Control v. City of Bakersfield* (2004) 124 Cal.App.4th 1184, 1219-20.

Regional Emissions

Air pollutant emissions have both regional and localized effects. This analysis assesses the regional effects of the project's criteria pollutant emissions in comparison to SJVAPCD thresholds of significance for short-term construction activities and long-term operation of the project. Localized emissions from project construction and operation are assessed under Impact AIR-3—Sensitive Receptors using concentration-based thresholds that determine if the project would result in a localized exceedance of any ambient air quality standards or would make a cumulatively considerable contribution to an existing exceedance.

The primary pollutants of concern during project construction and operation are ROG, NO_X, PM_{10}, and $PM_{2.5}$. The SJVAPCD GAMAQI adopted in 2015 contains thresholds for CO, NO_X, ROG, SO_X, PM_{10}, and $PM_{2.5}$.

Ozone is a secondary pollutant that can be formed miles from the source of emissions, through reactions of ROG and NO_X emissions in the presence of sunlight. Therefore, ROG and NO_X are termed ozone precursors. The Air Basin often exceeds the state and national ozone standards. Therefore, if the project emits a substantial quantity of ozone precursors, the project may contribute to an exceedance of the ozone standard. The Air Basin also exceeds air quality standards for PM_{10}, and $PM_{2.5}$; therefore, substantial project emissions may contribute to an exceedance for these pollutants. The SJVAPCD's annual emission significance thresholds used for the project define the substantial contribution for both operational and construction emissions as follows:

- 100 tons per year CO
- 27 tons per year SO_X

- 10 tons per year NO_X
- 10 tons per year ROG
- 15 tons per year PM_{10}
- 15 tons per year $PM_{2.5}$

The project does not contain sources that would produce substantial quantities of SO_2 emissions during construction and operation. Modeling conducted for the project demonstrates that SO_2 emissions are well below the SJVAPCD GAMAQI thresholds, as shown in the modeling results contained in Attachment A. No further discussion of SO_2 is required.

Construction Emissions

Construction activities associated with development of the proposed project would include demolition, site preparation, grading, building construction, paving, and architectural coatings. Emissions from construction-related activities are generally short-term in duration but may still cause adverse air quality impacts. During construction, fugitive dust would be generated from earth-moving activities. Exhaust emissions would also be generated from off-road construction equipment and construction-related vehicle trips. Emissions associated with construction of the proposed project are discussed below.

Table 5 provides the construction emissions estimate for the proposed project. Please refer to the Modeling Parameters and Assumptions section of this technical memorandum for details regarding assumptions used to estimate construction emissions. The duration of construction activity and associated equipment represent a reasonable approximation of the expected construction fleet as required pursuant to CEQA guidelines.

Table 5: Construction Regional Air Pollutant Annual Emissions (Unmitigated)

	Air Pollutants (ton/year)				
Parameter	**ROG**	**NO_X**	**CO**	**PM_{10}**	**$PM_{2.5}$**
Project Construction (2026)	0.04	0.35	0.36	0.06	0.03
Project Construction (2027)	0.17	1.03	1.26	0.04	0.03
Total Project Construction Emissions (tons)	**0.21**	**1.38**	**1.62**	**0.10**	**0.06**
Significance Threshold (tons/year)	**10**	**10**	**100**	**15**	**15**
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**	**No**

Notes:
PM_{10} and $PM_{2.5}$ emissions are from the mitigated output to reflect compliance with Regulation VIII—Fugitive PM_{10} Prohibitions.
NO_X = oxides of nitrogen
PM_{10} = particulate matter 10 microns in diameter
$PM_{2.5}$ = particulate matter 2.5 microns in diameter
ROG = reactive organic gases
Source: Modeling Assumptions and CalEEMod Output Files (Attachment A).

As shown in Table 5, estimated emissions from construction of project are below the SJVAPCD significance thresholds. Therefore, the regional construction emissions would be less than significant on a project basis.

Operational Emissions

Operational Emissions (Regional)—Non-Permitted

As previously discussed, the pollutants of concern include ROG, NO_X, CO, PM_{10}, and $PM_{2.5}$. Emissions were assessed for full buildout operations in the 2027 operational year. Emissions were estimated for full project buildout in the earliest anticipated operational year, thus generating the full amount of expected operational activity. The SJVAPCD Criteria Air Pollutant Significance thresholds were used to determine impacts. Operational annual emissions are shown in Table 6 below.

Table 6: Operational Annual Emissions for Full Buildout (Unmitigated)

	Tons per Year				
Emissions Source	**ROG**	**NO_X**	**CO**	**PM_{10}**	**$PM_{2.5}$**
Area	0.07	<0.01	0.05	<0.01	<0.01
Energy Consumption	<0.01	0.04	0.04	<0.01	<0.01
Mobile (On-road Vehicles)	4.20	3.24	22.94	4.32	1.13
Total Project Annual Emissions	**4.27**	**3.28**	**23.03**	**4.32**	**1.13**
Thresholds of Significance	**10**	**10**	**100**	**15**	**15**
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**	**No**

Notes:
NO_X = oxides of nitrogen
$PM_{2.5}$ = particulate matter 2.5 microns or less in diameter
PM_{10} = particulate matter 10 microns or less in diameter
ROG = reactive organic gases
Source: Modeling Assumptions and CalEEMod Output Files (Attachment A).

As shown in Table 6, the proposed project would not result in net operational-related air pollutants or precursors that would exceed the applicable thresholds of significance. Therefore, project operations would not be considered to have the potential to generate a significant quantity of air pollutants; long-term operational impacts associated with the project's criteria pollutant emissions would be less than significant.

Operational Emissions (Regional)—Permitted

The SJVAPCD's permitting process ensures that emissions of criteria pollutants from permitted equipment and activities at stationary sources are reduced or mitigated to below the SJVAPCD's thresholds of significance. SJVAPCD implementation of New Source Review (NSR) ensures that there is no net increase in emissions above specified thresholds from new and modified Stationary Sources subject to the rule for all nonattainment pollutants and their precursors. Permitted sources emitting more than the NSR Offset Thresholds for any criteria pollutant must, in general, offset all emission increases in excess of the thresholds.

Permitted sources will be required to comply with SJVAPCD BACT requirements. Compliance with regulations would ensure that the project's stationary sources would not exceed SJVAPCD

thresholds of significance; therefore, the project's estimated permitted emissions would be less than significant.

Level of Significance Before Mitigation

Less than significant.

Mitigation Measures

No mitigation measures are necessary.

Impact AIR-3 Expose sensitive receptors to substantial pollutant concentrations?

Impact Analysis

Emissions occurring at or near the project have the potential to create a localized impact that could expose sensitive receptors to substantial pollutant concentrations. Sensitive receptors are considered land uses or other types of population groups that are more sensitive to air pollution than others due to their exposure. Sensitive population groups include children, the elderly, the acutely and chronically ill, and those with cardio-respiratory diseases. The SJVAPCD considers a sensitive receptor to be a location that houses or attracts children, the elderly, people with illnesses, or others who are especially sensitive to the effects of air pollutants. Examples of sensitive receptors include hospitals, residences, convalescent facilities, and schools.

The project site is generally surrounded in all directions by agricultural land cultivated with perennial crops. Sensitive receptors within one-quarter mile of the site include two small commercial businesses located to the south (Triple Seven Feed & Tack and Embroidery Plus) and eleven scattered rural residences (five to the north, one to the west, and five to the south; none are located to the east). The project is located within District 5 of Stanislaus County, approximately 2.0 miles south of the City of Ceres and approximately 2.7 miles west of the community of Keyes. No schools, daycare centers, medical facilities, or assisted living facilities are located within one-quarter mile of the project site.

Localized Impacts

Emissions occurring at or near the project have the potential to create a localized impact also referred to as an air pollutant hotspot. Localized emissions are considered significant if when combined with background emissions, they would result in exceedance of any health-based air quality standard. In locations that already exceed standards for these pollutants, significance is based on a significant impact level (SIL) that represents the amount that is considered a cumulatively considerable contribution to an existing violation of an air quality standard. The pollutants of concern for localized impact in the SJVAB are NO_2, SO_X, and CO.

The SJVAPCD has provided guidance for screening localized impacts in the GAMAQI that establishes a screening threshold of 100 pounds per day of any criteria pollutant. If a project exceeds 100 pounds per day of any criteria pollutant, then ambient air quality modeling would be necessary. If the project does not exceed 100 pounds per day of any criteria pollutant, then it can be assumed that it would not cause a violation of an ambient air quality standard.

Construction: Localized Concentrations of PM_{10}, $PM_{2.5}$, CO, and NO_X

Local construction impacts would be short-term in nature lasting only during the duration of construction. As shown in Table 7 below, on-site construction emissions would be less than 100 pounds per day for each of the criteria pollutants. To present a conservative estimate, on-site emissions for on-road construction vehicles were included in the localized analysis. Based on the SJVAPCD's guidance, the construction emissions would not cause an ambient air quality standard violation.

Table 7: Localized Concentrations of PM_{10}, $PM_{2.5}$, CO, and NO_X for Construction

Source	On-site Emissions (pounds per day)				
	ROG	NO_X	CO	PM_{10}	$PM_{2.5}$
Construction (2026)	2.50	16.08	20.26	3.39	1.88
Construction (2027)	6.14	10.61	12.97	0.35	0.31
Entire Project Construction Duration (2026-2027)					
Maximum Daily On-site Emissions	**6.14**	**16.08**	**20.26**	**3.39**	**1.88**
Significance Thresholds	—	100	100	100	100
Exceed Significance Thresholds?	—	No	No	No	No

Note: Overlap of construction activities is based on the construction schedule shown in Table 1 and Attachment A.

Source of Emissions: Modeling Assumptions and CalEEMod Output Files (Attachment A).

Source of Thresholds: San Joaquin Valley Air Pollution Control District (SJVAPCD). 2015. Guidance for Assessing and Mitigating Air Quality Impacts. March 19. Website: https://www.valleyair.org/media/g4nl3p0g/gamaqi.pdf. Accessed December 31, 2025.

Operation: Localized Concentrations of PM_{10}, $PM_{2.5}$, CO, and NO_X

Localized impacts could occur in areas with a single large source of emissions—such as a power plant—or at locations with multiple sources concentrated in a small area, such as a distribution center. As the proposed project includes a gasoline station with diesel fueling pumps, a convenience store, and a commercial building (fast-food restaurant), it would attract vehicle trips from both heavy-duty trucks and passenger vehicles and would emit air pollutants with the potential to create localized air quality impacts. The maximum daily operational emissions would occur at project buildout, which was assumed to occur in 2027 for the purposes of providing a conservative estimate of emissions. Operational emissions include those generated on-site by area sources such as consumer products, landscape maintenance, energy use from natural gas combustion, and motor vehicles operation at the project site. To assess localized air impacts, motor vehicle emissions were estimated for on-site and localized operations using an adjusted trip length of 0.5 mile.

Table 8 below summarizes the results from the operational modeling of on-site emissions for the project.

Table 8: Localized Concentrations of PM_{10}, $PM_{2.5}$, CO, and NO_X for Operations

Source	On-site Emissions (pounds per day)				
	ROG	**NO_X**	**CO**	**PM_{10}**	**$PM_{2.5}$**
Area	0.44	9.05	72.17	<0.01	<0.01
Energy Consumption	0.01	<0.01	<0.01	0.02	0.02
Mobile (On-road Vehicles)	26.13	0.24	0.20	2.78	0.75
Daily Total	**26.58**	**9.29**	**72.37**	**2.80**	**0.77**
Significance Thresholds	**—**	**100**	**100**	**100**	**100**
Exceed Significance Thresholds?	**—**	**No**	**No**	**No**	**No**

Note: The highest emissions for ROG, PM_{10}, and $PM_{2.5}$ occur under the Summer scenario, while the highest emissions for NO_X and CO occur under the Winter modeling scenario.

Source of Emissions: Modeling Assumptions and CalEEMod Output Files (Attachment A).

Source of Thresholds: San Joaquin Valley Air Pollution Control District (SJVAPCD). 2015. Guidance for Assessing and Mitigating Air Quality Impacts. March 19. Website: https://www.valleyair.org/media/g4nl3p0g/gamaqi.pdf. Accessed December 31, 2025.

As shown in Table 8 above, operational modeling of on-site emissions for the project indicate that the project would not exceed 100 pounds per day for each of the criteria pollutants. Therefore, based on the SJVAPCD's guidance, the operational emissions would not cause an ambient air quality standard violation. As such, impacts would be less than significant.

Toxic Air Contaminants

Construction

Project construction would involve the use of diesel-fueled vehicles and equipment that emit DPM, which is considered a TAC. The SJVAPCD's current threshold of significance for TAC emissions is an increase in cancer risk for the maximally exposed individual of 20 in a million (formerly 10 in a million).

A project-level assessment was conducted of the potential community health risk and health hazard impacts on surrounding sensitive receptors resulting from the emissions of TACs during construction. A summary of the assessment is provided below, while the detailed assessment is provided in Attachment B.

Construction activity using diesel-powered equipment emits DPM, a known carcinogen. Diesel particulate matter includes exhaust PM_{10} and exhaust $PM_{2.5}$. A 10-year research program demonstrated that DPM from diesel-fueled engines is a human carcinogen and that chronic (long-term) inhalation exposure to DPM poses a chronic health risk.[12] Health risks from TACs are a function of both concentration and duration of exposure. Construction diesel emissions are

[12] California Air Resources Board (CARB). 2015. The Report on Diesel Exhaust. Website: https://ww2.arb.ca.gov/sites/default/files/classic/toxics/dieseltac/de-fnds.htm. Accessed September 8, 2025.

temporary, affecting an area for a period of weeks or months. Additionally, construction-related sources are mobile and transient in nature.

The health risk assessment evaluated DPM (represented as exhaust PM_{10}) emissions generated during construction of the proposed project and the related health risk impacts for sensitive receptors located within approximately 1,000 feet of the project boundary.

The project site is located within 1,000 feet of existing sensitive receptors that could be exposed to diesel emission exhaust during the construction period. To estimate the potential cancer risk associated with construction of the proposed project from equipment exhaust (including DPM), a dispersion model was used to translate an emission rate from the source location to concentrations at the receptor locations of interest (i.e., receptors at nearby residences). A maximally exposed receptor (MER) was determined for construction and through the use of the dispersion modeling. A graphical representation of the inputs used in the dispersion modeling, including the locations of modeled receptor locations, is included as part of Attachment B.

Table 9 presents a summary of the proposed project's construction cancer risk and chronic non-cancer hazard impacts at the MER from project construction prior to the application of any equipment mitigation.

Table 9: Health Risks from Unmitigated Project Construction

Scenario	Health Impact Metric	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index
Risks and Hazards from Project Construction to the Off-site MER[1]			
Unmitigated Project Construction	Risks and Hazards at the MER	9.76	0.011
	Applicable Threshold of Significance	**20**	**1**
	Exceeds Individual Source Threshold?	No	No

Notes:

MER = Maximally Exposed Receptor

[1] The MER was determined to be an existing residence located directly west of the project site at 37°33'07.4"N 120°57'26.6"W (Receptor #244).

Source: Attachment B.

As shown in Table 9, the project's generation of DPM during operations would not exceed the applicable health risk thresholds. In addition, these health risk values were added to the project's health risk metrics from the generation of benzene to determine total health risks from the proposed project.

Operations

Gasoline Station (Benzene)

Out of the toxic compounds emitted from gasoline stations, benzene, ethylbenzene, and naphthalene have cancer toxicity values. However, benzene is the TAC which drives the risk, accounting for 85 percent of cancer risk from gasoline vapors. Furthermore, benzene constitutes more than three to four times the weight of gasoline than ethylbenzene and

naphthalene, respectively.[13] Therefore, ethylbenzene and naphthalene have not been modeled and are instead considered significant in the case that benzene emissions are significant. Additionally, there are substances emitted from gasoline stations, such as toluene and xylene which possess acute adverse health effects (though not cancer risk). However, it is not until the benzene concentrations are more than two orders of magnitude above 10 in one million that the emissions of toluene and xylene begin to cause adverse health effects.[14] Therefore, toluene and xylene emissions have not been modeled and are instead considered significant in the case that benzene concentrations are identified at two orders of magnitude above 10 in one million cancer risk.

Benzene emissions associated with the proposed gasoline fueling station would primarily occur from four mechanisms: (1) fuel tanker unloading into underground storage tanks (loading losses); (2) storage tank venting due to temperature and pressure fluctuations within the tank vapor space (breathing losses); (3) vehicle refueling at pump islands (refueling losses); and (4) minor evaporative emissions from incidental drips or spills during refueling (spillage losses). Loading and breathing emissions would occur at the underground storage tank and associated vent pipe locations, while refueling and spillage emissions would occur at the pump islands beneath the fuel canopy. These emission sources would be confined to the paved fueling area within the approximately 3.0-acre developed portion of the site. The proposed project would be required to comply with applicable vapor recovery requirements and fuel handling regulations, which substantially reduce evaporative emissions. Accordingly, potential benzene exposure would be localized to the immediate fueling area and would be controlled through regulatory design standards.

Emission sources in the model include the proposed underground fuel storage tanks and fuel dispensers associated with the gasoline service station. The project would include six (6) pump stations beneath a canopy, providing a total of twelve (12) fueling positions, consisting of eight (8) gasoline dispensers and four (4) diesel dispensers. The proposed project also includes a 4,000-square-foot convenience store with an attached automated car wash, and a 7,500-square-foot commercial building (modeled in this analysis as a fast-food restaurant with drive-through service). Other site improvements would include paved parking and circulation areas, landscaping, and associated utilities. The fueling system would consist of underground gasoline and diesel storage tanks equipped with vapor recovery systems in accordance with applicable regulations.

For purposes of this analysis, annual gasoline throughput for the proposed fueling station is assumed to be approximately 1.8 million gallons per year (150,000 gallons per month). This throughput reflects a reasonable operating level for a 12-position neighborhood gasoline station and is consistent with typical sales volumes for similar facilities.

The specific processes associated with underground fuel storage tanks and fuel dispensers that may emit air toxics include loading, breathing, refueling, and spillage, as described below:

[13] South Coast Air Quality Management District (SCAQMD). 2015. Risk Assessment Procedures for Rules 1401, 1401.1, and 212. Website: http://www.aqmd.gov/docs/default-source/rule-book/Proposed-Rules/1401/appx_1401riskassessproc_071517nw.pdf. Accessed September 3, 2024.

[14] California Air Pollution Control Officers Association (CAPCOA). 1997. Gasoline Service Station Industrywide Risk Assessment Guidelines. Website: https://www.co.monterey.ca.us/home/showdocument?id=22409. Accessed September 3, 2024.

- Loading – Emissions occur when a fuel tanker truck unloads gasoline into the storage tanks. The storage tank vapors, displaced during loading, are emitted through its vent pipe. (A required pressure/vacuum valve installed on the tank vent pipe significantly reduces these emissions.)
- Breathing – Emissions occur through the storage tank vent pipe as a result of temperature and pressure changes in the tank vapor space.
- Refueling – Emissions occur during motor vehicle refueling when gasoline vapors escape through the vehicle/nozzle interface.
- Spillage – Emissions occur from evaporating gasoline that spills during vehicle refueling.

Loading and breathing emissions exit the underground storage tank vent pipe and are thus treated as a point source. The height and diameter of the vent are assumed to be 3.66 meters and 0.05 meters, respectively. Refueling and spillage emissions are modeled as volume sources with a vertical dimension of 5 meters to correspond to the height of the canopy. For refueling, the release height is assumed to be 1 meter to approximate the height of a vehicle fuel tank inlet, whereas spillage emissions are assumed to be released at ground level since nearly all the gasoline from spillage reaches the ground.

The model was run to obtain the peak 24-hour and annual average concentration in micrograms per cubic meter [µg/m^3] at nearby sensitive receptors. Because benzene is associated with acute health effects, risks were assessed for on-site receptors within Area 1 in addition to off-site sensitive receptors. Acute non-cancer hazard was evaluated based on maximum hourly exposure.

The chronic and carcinogenic health risk calculations are based on the standardized equations contained in the U.S. EPA Human Health Evaluation Manual[15] and the Office of Environmental Health Hazard Assessment (OEHHA) Guidance Manual.[16]

Results of the health risk analysis from operations of the proposed gasoline station are summarized in Table 10.

Table 10: Summary of the Health Impacts Risk Impacts (Operational Emissions from Gasoline Fueling Activities)

Exposure Scenario	Maximum Cancer Risk (Risk per Million)	Chronic Non-Cancer Hazard Index	Acute Non-Cancer Hazard from Maximum Hourly Exposure
70-Year Exposure at the Off-site MER	10.85	0.0445	0.1104
Applicable Threshold of Significance	**20**	**1**	**1**
Exceeds Individual Source Threshold?	**No**	**No**	**No**

Notes:
MER = Maximally Exposed Receptor
Source: Attachment B.

[15] United States Environmental Protection Agency (U.S. EPA). 1991. Human Health Evaluation Manual. Website: https://www.epa.gov/sites/default/files/2015-11/documents/defaultExposureParams.pdf. Accessed September 3, 2024.
[16] Office of Environmental Health Hazard Assessment (OEHHA). 2015. Risk Assessment Guidelines. Website: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf. Accessed September 3, 2024.

As shown in Table 10, the project would not exceed the applicable cancer risk or chronic risk threshold levels. In addition, these health risk values from the generation of benzene were added to the project's health risk metrics from construction and operational DPM to determine total health risks during operations and a total combined value from project construction and operations (see below).

Operational DPM

The proposed project would primarily generate automobile trips associated with employees, customers, and visitors traveling to and from the project site. Emission estimates were completed using project-specific trip generation and trip distribution data from the Keyes–Central Commercial Development Transportation Analysis prepared by Fehr & Peers (July 29, 2025). Based on review of the site plan and other applicant-provided project information, the proposed project is not designed as a truck stop facility. The site plan does not include a separate diesel fueling island, pull-through fueling lanes, oversized turning radii, designated heavy-duty truck parking areas, or a separate truck canopy. The proposed diesel pumps are located beneath the primary fueling canopy and appear intended to serve passenger vehicles and smaller commercial vehicles rather than long-haul tractor-trailers. Accordingly, the project would not be expected to function as a regional truck stop facility.

DPM emissions were estimated for the project-generated diesel truck trips using EMFAC2025 to assess the project's potential to generate elevated levels of TACs from project heavy-duty truck trips. Sources include the following from project-generated heavy-duty diesel-fueled trucks: on-site idling, on-site heavy-duty truck travel (assessed at 5-15 mph), and localized off-site truck travel (assessed at 10-25 mph). Detailed assumptions are provided in Attachment B. AERMOD and HARP2 were then used to estimate health risks. The results of the operational HRA from project-generated sources of DPM during operations are summarized below, while the complete assessment is included as part of Attachment B.

Table 11: Summary of the Health Impacts Risk Impacts (Operational DPM Emissions)

Exposure Scenario	Maximum Cancer Risk (Risk per Million)	Chronic Non-Cancer Hazard Index	Acute Non-Cancer Hazard
70-Year Exposure at the Off-site MER from Operational DPM (70-Year Exposure) Starting in the Third Trimester	7.71	0.0015	0.0000
Applicable Threshold of Significance	**20**	**1**	**1**
Exceeds Individual Source Threshold?	**No**	**No**	**No**

Notes:
Operational DPM MER: 37°33'07.4"N 120°57'26.6"W (Receptor #244)
Source: Attachment B.

As shown in Table 11, the project would not exceed the applicable cancer risk or non-cancer hazard threshold levels. The primary source of DPM emissions responsible for chronic risk are from diesel trucks. DPM does not have an acute risk factor. Since the project does not exceed the applicable SJVAPCD thresholds for cancer risk, acute risk, or chronic risk, the impact related to the project's potential to expose sensitive receptors to substantial pollutant

concentrations from non-permitted sources would be less than significant when considered independently.

In addition, operational DPM health risk values were combined with health risk metrics associated with construction emissions and operational benzene to evaluate total operational health risk and the overall combined health risk from construction and operations (see discussion below).

Combined Health Risk Metrics

Health risk metrics are shown for the MER for each TAC, which presents a conservative estimate of overall health risk metrics when combined. The complete emission estimate calculations, AERMOD data, and HARP2 calculations are included in Attachment B of this memorandum.

Table 12: Summary of the Health Impacts from Combined Operations of the Proposed Project (70-year Exposure Scenario)

Exposure Scenario	Maximum Cancer Risk (Risk per Million)	Chronic Non-Cancer Hazard Index	Acute Non-Cancer Hazard from Maximum Hourly Exposure
70-Year Exposure at the Off-site MER from Benzene Starting in the Third Trimester	10.85	0.0445	0.1104
70-Year Exposure at the Off-site MER from Operational DPM Starting in the Third Trimester	7.71	0.0015	0.0000
Total Exposure from Project Operations (70-Year Exposure Scenario starting at the 3rd Trimester)	**18.56**	**0.0460**	**0.1104**
Applicable Threshold of Significance	**20**	**1**	**1**
Exceeds Individual Source Threshold in Any Scenario?	**No**	**No**	**No**

Notes:
MER = Maximally Exposed Receptor
Operational DPM MER: 37°33'07.4"N 120°57'26.6"W (Receptor #244)
Source: Attachment B.

As shown above in Table 12, the project calculated health metrics from the proposed project's operational emissions would not exceed the cancer risk threshold, the non-cancer hazard index significance threshold, or the acute non-cancer hazard at the MER when considered in isolation. The potential health risk impacts from combined construction and operational exposure prior to implementation of mitigation are summarized in Table 13.

Table 13: Summary of the Health Impacts from Combined Construction and Operations of the Proposed Project (70-year Exposure Scenario)

Exposure Scenario	Maximum Cancer Risk (Risk per Million)	Chronic Non-Cancer Hazard Index	Acute Non-Cancer Hazard from Maximum Hourly Exposure
Construction Exposure at the MER	9.76	0.0111	0.0000
Benzene Exposure at the Off-site MER Starting After Construction	8.65	0.0445	0.1104
Operational DPM Exposure at the Off-site MER Starting After Construction	6.41	0.0015	0.0000
Total Exposure from Project Operations (70-Year Exposure Scenario starting at the 3rd Trimester)	**24.82**	**0.0571**	**0.1104**
Applicable Threshold of Significance	**20**	**1**	**1**
Exceeds Individual Source Threshold in Any Scenario?	**Yes**	**No**	**No**

Notes:
MER = Maximally Exposed Receptor
Construction DPM MER: 37°33'07.4"N 120°57'26.6"W (Receptor #244)
Operational DPM MER: 37°33'07.4"N 120°57'26.6"W (Receptor #244)
Source: Attachment B.

As previously noted, the calculated health risk metrics from the project's operational emissions would not exceed the cancer risk threshold, the chronic non-cancer hazard index threshold, or the acute non-cancer hazard index at the MER when considered in isolation (see Table 12). However, the cancer risks from the project's combined construction and operations would exceed an applicable health risk threshold (see Table 13). Therefore, prior to implementation of mitigation, the project would have the potential to expose sensitive receptors to substantial pollutant concentrations, resulting in a potentially significant impact. Mitigation Measure MM AIR-3a is recommended to reduce diesel particulate matter emissions during construction from off-road equipment, as construction-related emissions contribute to the overall cancer risk associated with the project. Mitigation Measure MM AIR-3a requires implementation of enhanced construction equipment standards, including the use of Tier 4 Final off-road engines and electric-powered small equipment when available, to reduce DPM emissions and associated health risks.

The potential health risk impacts from combined construction and operational exposure after implementation of Mitigation Measure MM AIR-3a are summarized in Table 14 below.

Table 14: Summary of the Health Impacts from Combined Construction and Operations of the Proposed Project (70-year Exposure Scenario) After MM AIR-3a

Exposure Scenario	Maximum Cancer Risk (Risk per Million)	Chronic Non-Cancer Hazard Index	Acute Non-Cancer Hazard from Maximum Hourly Exposure
Construction Exposure at the MER After MM AIR-3a	1.74	0.0020	0.0000
Benzene Exposure at the Off-site MER Starting After Construction	8.65	0.0445	0.1104
Operational DPM Exposure at the Off-site MER Starting After Construction	6.41	0.0015	0.0000
Total Exposure from Combined Project Construction & Operations (70-Year Exposure Scenario)	**16.80**	**0.048**	**0.1104**
Applicable Threshold of Significance	**20**	**1**	**1**
Exceeds Individual Source Threshold in Any Scenario?	**No**	**No**	**No**

Notes:
MER = Maximally Exposed Receptor
Construction DPM MER: 37°33'07.4"N 120°57'26.6"W (Receptor #244)
Operational DPM MER: 37°33'07.4"N 120°57'26.6"W (Receptor #244)
Source: Attachment B.

As shown in Table 14 above, combined construction and operational exposure after implementation of Mitigation Measure MM AIR-3a would be less than significant. Therefore, with mitigation, the project would not expose sensitive receptors to substantial pollutant concentrations. Impacts would be less than significant after mitigation.

Valley Fever

Valley fever, or coccidioidomycosis, is an infection caused by inhalation of the spores of the fungus, *Coccidioides immitis* (*C. immitis*). The spores live in soil and can live for an extended time in harsh environmental conditions. Activities or conditions that increase the amount of fugitive dust contribute to greater exposure, and they include dust storms, grading, and recreational off-road activities.

California's Central Valley, including Stanislaus County, is recognized as an endemic region for Valley fever due to its soil and climatic conditions. During 2000–2018, a total of 65,438 coccidioidomycosis cases were reported in California; median statewide annual incidence was 7.9 per 100,000 population and varied by region from 1.1 in Northern and Eastern California to 90.6 in the Southern San Joaquin Valley, with the largest increase (15-fold) occurring in the Northern San Joaquin Valley. Incidence has been consistently high in six counties in the Southern San Joaquin Valley (Fresno, Kern, Kings, Madera, Tulare, and Merced counties) and Central Coast (San Luis Obispo County) regions.[17] California experienced 6,189 new probable or confirmed cases of Valley fever in 2024. In 2024, California experienced a record number of

[17] Centers for Disease Control and Prevention (CDC). 2020. Regional Analysis of Coccidioidomycosis Incidence—California, 2000–2018. Website: https://www.cdc.gov/mmwr/volumes/69/wr/mm6948a4.htm?s_cid=mm6948a4_e. Accessed September 8, 2025.

Valley fever (coccidioidomycosis) cases, with the California Department of Public Health (CDPH) reporting nearly 12,500 probable or confirmed cases statewide—the highest number on record.[18] Provisional data for 2025 indicate that Valley fever case counts remain elevated across multiple Central Valley counties compared to recent years. In Stanislaus County, provisional reports through mid-2025 show a marked increase in cases compared to previous years, reflecting broader regional trends in the Central Valley where Valley fever has been rising.[19,20]

The distribution of *C. immitis* within endemic areas is not uniform and growth sites are commonly small (a few tens of meters) and widely scattered. Known sites appear to have some ecological factors in common suggesting that certain physical, chemical, and biological conditions are more favorable for *C. immitis* growth. Avoidance, when possible, of sites favorable for the occurrence of *C. immitis* is a prudent risk management strategy. Listed below are ecologic factors and sites favorable for the occurrence of *C. immitis*:

1) Rodent burrows (often a favorable site for *C. immitis*, perhaps because temperatures are more moderate and humidity higher than on the ground surface)
2) Old (prehistoric) Indian campsites near fire pits
3) Areas with sparse vegetation and alkaline soils
4) Areas with high salinity soils
5) Areas adjacent to arroyos (where residual moisture may be available)
6) Packrat middens
7) Upper 30 centimeters of the soil horizon, especially in virgin undisturbed soils
8) Sandy, well-aerated soil with relatively high water-holding capacities

Sites within endemic areas less favorable for the occurrence of *C. immitis* include:

1) Cultivated fields
2) Heavily vegetated areas (e.g., grassy lawns)
3) Higher elevations (above 7,000 feet)
4) Areas where commercial fertilizers (e.g., ammonium sulfate) have been applied
5) Areas that are continually wet
6) Paved (asphalt or concrete) or oiled areas
7) Soils containing abundant microorganisms

[18] California Department of Public Health (CDPH). "Valley Fever." Last modified 2024. https://www.cdph.ca.gov/valleyfever. Accessed January 2026.
[19] Stocktonia. 2025. "Valley Fever Cases on the Rise in Central Coast and Central Valley Areas." Last modified August 17, 2025. Website: https://stocktonia.org/news/health/2025/08/17/valley-fever-cases-on-the-rise-in-central-coast-and-central-valley-areas/. Accessed January 2026.
[20] These figures are provisional and subject to confirmation and adjustments by the California Department of Public Health (CDPH).

8) Heavily urbanized areas where there is little undisturbed virgin soil.[21]

The project site has been previously disturbed and is currently developed with perennial agricultural crops (almonds) and one existing agricultural-support building, which is proposed for demolition (see Attachment A). The developable portion of the site (approximately 3.0 acres) consists of cultivated orchard rows and associated agricultural improvements, as shown on the site plan and vicinity map (see Attachment A). Because the site has been actively farmed and disturbed, it does not represent undisturbed native soil conditions typically associated with higher concentrations of *Coccidioides* spores. Therefore, development of the proposed project would have a lower probability of the site having *C. immitis* growth sites than if the site had been previously undisturbed.

Although conditions are not favorable, construction activities could generate fugitive dust that contain *C. immitis* spores. The project will minimize the generation of fugitive dust during construction activities by complying with SJVAPCD's Regulation VIII. Therefore, this regulation, combined with the relatively low probability of the presence of *C. immitis* spores would reduce Valley fever impacts to less than significant.

During operations, dust emissions are anticipated to be minimal because the majority of the 3.0-acre developable area would be occupied by the proposed gasoline fueling station (including pump islands and canopy), convenience store, car wash, commercial building (modeled in this analysis as a fast food restaurant), parking areas, and paved internal circulation improvements. All internal travel areas would be paved. These built and paved conditions would reduce the potential for ongoing fugitive dust generation and would not create soil conditions typically associated with increased exposure to *Coccidioides* spores. The remainder of the approximately 7.2-acre parcel would remain in agricultural use, and no changes are proposed for those areas. As such, no increase or exacerbation of potential exposure risk would occur on the portion of the site to remain. Therefore, operational impacts related to fugitive dust and potential Valley fever exposure would be less than significant.

Naturally Occurring Asbestos

A review of maps identifying areas in California where naturally occurring asbestos is likely to occur found no such areas within the immediate project area (i.e., the project site and adjacent land uses). Therefore, development of the project is not anticipated to expose receptors to naturally occurring asbestos.[22] Impacts would be less than significant.

Impact Analysis Summary

In summary, the project would not exceed SJVAPCD localized emission daily screening levels for any criteria pollutant during construction or operations. The project is not located in an area with suitable habitat for Valley fever spores and is not in an area known to contain naturally occurring asbestos. Although construction and operational health risks would be less than significant when evaluated independently, the combined construction and operational cancer

[21] United States Geological Survey (USGS). 2000. Operational Guidelines (Version 1.0) for Geological Fieldwork in Areas Endemic for Coccidioidomycosis (Valley Fever), 2000, Open-File Report 2000-348. Website: https://pubs.usgs.gov/of/2000/0348/pdf/of00-348.pdf. Accessed September 8, 2025.

[22] U.S. Geological Survey. 2011. Van Gosen, B.S., and Clinkenbeard, J.P. California Geological Survey Map Sheet 59. Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California. Open-File Report 2011-1188 Website: https://pubs.usgs.gov/of/2011/1188/. Accessed January 2026.

risk would exceed the applicable health risk threshold prior to implementation of mitigation. Implementation of Mitigation Measure MM AIR-3a would reduce construction-related diesel particulate matter emissions such that combined health risks would be less than significant. As such, with implementation of mitigation, the project would not result in significant impacts to sensitive receptors.

Level of Significance Before Mitigation

Potentially significant impact.

Mitigation Measures

MM AIR-3a **MM AIR-3a: Construction Equipment Emission Standards**

Prior to issuance of a grading or construction permit, the project applicant shall submit documentation to Stanislaus County demonstrating compliance with the following requirements:

Where portable diesel engines are used during construction, all off-road equipment with engines greater than 75 horsepower shall meet U.S. Environmental Protection Agency (EPA) or California Air Resources Board (CARB) Tier 4 Final off-road emission standards, unless otherwise specified herein. If Tier 4 Final equipment is not commercially available, the construction contractor shall use the next cleanest available off-road equipment (e.g., Tier 4 Interim) that is commercially available. For purposes of this measure, "commercially available" shall mean equipment that can be obtained taking into consideration factors such as (i) critical-path construction timing and (ii) geographic proximity of equipment suppliers to the project site. If Tier 4 Final equipment is determined to be unavailable, the contractor shall provide written documentation from at least two equipment rental companies for each applicable piece of equipment demonstrating that Tier 4 Final equipment is not commercially available.

In addition, electric-powered equipment shall be used for small equipment (i.e., less than 50 horsepower), when such equipment is readily available and feasible for the intended construction activity.

Level of Significance After Mitigation

Less than significant impact.

Impact AIR-4 **Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?**

Impact Analysis

Two situations create a potential for odor impact. The first occurs when a new odor source is located near an existing sensitive receptor. The second occurs when a new sensitive receptor locates near an existing source of odor. According to the *CBIA v. BAAQMD* ruling, impacts of

existing sources of odors on the project are not subject to CEQA review. Therefore, the analysis to determine if the project would locate new sensitive receptors near an existing source of odor is not used to determine significance for this impact.

Odor impacts on residential areas and other sensitive receptors, such as hospitals, day-care centers, schools, etc. warrant the closest scrutiny, but consideration should also be given to other land uses where people may congregate, such as recreational facilities, worksites, and commercial areas.

Although the project site is located within 100 feet of the nearest sensitive receptor, the proposed uses are not anticipated to generate objectionable odors that would adversely affect a substantial number of people. The screening levels for these land use types are shown in Table 15.

Table 15: Screening Levels for Potential Odor Sources

Odor Generator	Screening Distance
Wastewater Treatment Facilities	2 miles
Sanitary Landfill	1 mile
Transfer Station	1 mile
Composting Facility	1 mile
Petroleum Refinery	2 miles
Asphalt Batch Plant	1 mile
Chemical Manufacturing	1 mile
Fiberglass Manufacturing	1 mile
Painting/Coating Operations (e.g., auto body shop)	1 mile
Food Processing Facility	1 mile
Feed Lot/Dairy	1 mile
Rendering Plant	1 mile
Wastewater Treatment Facilities	2 miles
Source of Thresholds: San Joaquin Valley Air Pollution Control District (SJVAPCD). 2015. Guidance for Assessing and Mitigating Air Quality Impacts. March 19. Website: https://www.valleyair.org/media/g4nl3p0g/gamaqi.pdf. Accessed January 2026.	

Project Construction and Project Operation

The occurrence and severity of odor impacts depend on numerous factors, including the nature, frequency, and intensity of the source; wind speed and direction; and the presence of sensitive receptors. Although offensive odors rarely cause any physical harm, they still can be very unpleasant, leading to considerable distress and often generating citizen complaints to local governments and regulatory agencies. Project operations would not be anticipated to produce odorous emissions, as the project would not be considered an odor generator based on the land uses shown in Table 15. Construction activities associated with the proposed project could result in short-term odorous emissions from diesel exhaust associated with construction equipment. However, these emissions would be intermittent and would dissipate rapidly from the source. In addition, diesel-powered equipment and heavy-duty trucks would only be present onsite temporarily during construction activities. The temporary and intermittent nature of construction activities would decrease the likelihood of the odors concentrating in a single area or lingering for any notable period of time. As such, these odors would likely not be noticeable

for extended periods of time beyond the project's site boundaries. Therefore, construction would not create objectionable odors affecting a substantial number of people from use of diesel-powered equipment. As there would not be conditions under which the project would have the potential to expose a substantial number of people to odors emitted from construction or operations of the project, and the impact would be less than significant.

Level of Significance Before Mitigation

Less than significant.

Mitigation Measures

No mitigation measures are necessary.

GREENHOUSE GASES

Environmental Setting

Greenhouse Gases

Greenhouse gases and climate change are cumulative global issues. The CARB and EPA regulate GHG emissions within the State of California and the U.S., respectively. Meanwhile, the CARB has the primary regulatory responsibility within California for GHG emissions. Local agencies can also adopt policies for GHG emission reduction.

Many chemical compounds in the Earth's atmosphere act as GHGs as they absorb and emit radiation within the thermal infrared range. When radiation from the sun reaches the Earth's surface, some of it is reflected into the atmosphere as infrared radiation (heat). Greenhouse gases absorb this infrared radiation and trap the heat in the atmosphere. Over time, the amount of energy from the sun to the Earth's surface should be approximately equal to the amount of energy radiated back into space, leaving the temperature of the earth's surface roughly constant. Many gases exhibit these "greenhouse" properties. Some of them occur in nature (water vapor, carbon dioxide [CO_2], methane [CH_4], and nitrous oxide [N_2O]), while others are exclusively human made (like gases used for aerosols).

The principal climate change gases resulting from human activity that enter and accumulate in the atmosphere are listed below.

Carbon Dioxide

Carbon dioxide enters the atmosphere through the burning of fossil fuels (oil, natural gas, and coal), solid waste, trees and wood products, and chemical reactions (e.g., the manufacture of cement). Carbon dioxide is also removed from the atmosphere (or "sequestered") when it is absorbed by plants as part of the biological carbon cycle.

Methane

Methane is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from livestock and agricultural practices and the decay of organic waste in municipal solid waste landfills.

Nitrous Oxide

Nitrous oxide is emitted during agricultural and industrial activities, as well as during combustion of fossil fuels and solid waste.

Fluorinated Gases

Hydrofluorocarbons, perfluorinated chemicals, and sulfur hexafluoride are synthetic, powerful climate-change gases that are emitted from a variety of industrial processes. Fluorinated gases are often used as substitutes for ozone-depleting substances (i.e., chlorofluorocarbons, hydrochlorofluorocarbons, and halons). These gases are typically emitted in smaller quantities, but because they are potent climate-change gases, they are sometimes referred to as high global warming potential gases.

Emissions Inventories and Trends

According to the CARB's GHG inventory for the State, released 2022, California produced 369.2 million metric tons of carbon dioxide equivalent ($MMTCO_2e$) in 2020. The major source of GHGs in California is transportation, contributing approximately 38 percent of the state's total GHG emissions in 2020.[23] This puts total emissions below the 2020 target of 431 million metric tons. California statewide GHG emissions dropped below the 2020 GHG limit in 2016 and have remained below the 2020 GHG limit since then.

Potential Environmental Impacts

For California, climate change in the form of warming has the potential to incur and exacerbate environmental impacts, including but not limited to changes to precipitation and runoff patterns, increased agricultural demand for water, inundation of low-lying coastal areas by sea-level rise, and increased incidents and severity of wildfire events.[24] Cooling of the climate may have the opposite effects. Although certain environmental effects are widely accepted to be a potential hazard to certain locations, such as rising sea level for low-lying coastal areas, it is currently infeasible to predict all environmental effects of climate change on any one location.

Emissions of GHGs contributing to global climate change are attributable in large part to human activities associated with the industrial and manufacturing, utility, transportation, residential, and agricultural sectors. Therefore, the cumulative global emissions of GHGs contributing to global climate change can be attributed to every nation, region, and city, and virtually every individual on Earth. A project's GHG emissions are at a micro-scale relative to global emissions but could result in a cumulatively considerable incremental contribution to a significant cumulative macro-scale impact.

Regulatory Requirements

California has adopted statewide legislation addressing various aspects of climate change and GHG emissions mitigation. Much of this legislation establishes a broad framework for the state's long-term GHG reduction and climate change adaptation program. The governor has also issued several executive orders (EOs) related to the state's evolving climate change policy. Of particular importance are AB 32 and SB 32, which outline the state's GHG reduction goals of achieving 1990 emissions levels by 2020 and a 40 percent reduction below 1990 emissions levels by 2030.

In the absence of federal regulations, control of GHGs is generally regulated at the state level and is typically approached by setting emission reduction targets for existing sources of GHGs, setting policies to promote renewable energy and increase energy efficiency, and developing statewide action plans.

CEQA Guidelines

The CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would

[23] California Air Resources Board (CARB). 2022. 2000-2020 Greenhouse Gas inventory (2022 Edition). Website: https://ww2.arb.ca.gov/ghg-inventory-data. Accessed September 8, 2025.

[24] Moser et al. 2009. Moser, Susie, Guido Franco, Sarah Pittiglio, Wendy Chou, Dan Cayan. 2009. The Future Is Now: An Update on Climate Change Science Impacts and Response Options for California. Website: http://www.susannemoser.com/documents/CEC-500-2008-071_Moseretal_FutureisNow.pdf. Accessed September 8, 2025.

have a significant impact on GHGs, the type, level, and impact of emissions generated by the project must be evaluated.

The following GHG significance thresholds are contained in Appendix G of the CEQA Guidelines, which were amendments adopted into the Guidelines on March 18, 2010, pursuant to SB 97. A significant impact would occur if the project would:

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment; or
- Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs.

Thresholds of Significance

San Joaquin Valley Air Pollution Control District

The SJVAPCD's Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA presents a tiered approach to analyzing project significance with respect to GHG emissions. Project GHG emissions are considered less than significant if they can meet any of the following conditions, evaluated in the order presented:

- Project is exempt from CEQA requirements;
- Project complies with an approved GHG emission reduction plan or GHG mitigation program;
- Project implements Best Performance Standards (BPS); or
- Project demonstrates that specific GHG emissions would be reduced or mitigated by at least 29 percent compared to Business-as-Usual (BAU), including GHG emission reductions achieved since the 2002-2004 baseline period.

Project-level Thresholds

Section 15064.4(b) of the CEQA Guidelines' amendments for GHG emissions states that a lead agency may take into account the following three considerations in assessing the significance of impacts from GHG emissions.

- Consideration #1: The extent to which the project may increase or reduce GHG emissions as compared to the existing environmental setting.
- Consideration #2: Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
- Consideration #3: The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. Such regulations or requirements must be adopted by the relevant public agency through a public review process and must include specific requirements that reduce or mitigate the project's incremental contribution of GHG emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable notwithstanding compliance with the adopted

regulations or requirements, an Environmental Impact Report (EIR) must be prepared for the project.

Newhall Ranch

In the California Supreme Court decision in the *Center for Biological Diversity et al. vs. California Department of Fish and Wildlife, the Newhall Land and Farming Company* (62 Cal.4th 204 [2015], and known as the Newhall Ranch decision), the Supreme Court was concerned that new development may need to reduce GHG emissions more than existing development to demonstrate it is meeting its fair share of reductions. New development does more than its fair share through compliance with enhanced regulations, particularly with respect to motor vehicles, energy efficiency, and electricity generation. If no additional reductions are required from an individual project beyond that achieved by regulations, then the amount needed to reach the 2020 target is the amount of GHG emissions a project must reduce to comply with Statewide goals.

The State's regulatory program implementing the 2008 Scoping Plan is now fully mature. All regulations envisioned in the Scoping Plan have been adopted by the responsible agencies and the effectiveness of those regulations have been estimated by the agencies during the adoption process and then are tracked to verify their effectiveness after implementation. The Governor Brown, in the introduction to Executive Order B-30-15, states "California is on track to meet or exceed the current target of reducing greenhouse gas emissions to 1990 levels by 2020, as established in the California Global Warming Solutions Act of 2006 (AB 32)." The progress was evident in emission inventories prepared by CARB, which showed that the State inventory dropped below 1990 levels for the first time in 2016.[25] The State projects that it will meet the 2020 target and achieve continued progress towards meeting the 2017 Scoping Plan target for 2030.[26] CARB adopted the 2022 Scoping Plan on December 16, 2022 that addresses long-term GHG goals set forth by AB 1279.[27] The 2022 Scoping Plan outlines the State's pathway to achieve carbon neutrality and an 85 percent reduction in 1990 emissions goal by 2045. In the 2022 Scoping Plan, CARB advocates for compliance with a local GHG reduction strategy consistent with CEQA Guidelines section 15183.5.

Environmental Impact Analysis

This section discusses potential impacts related to GHGs associated with the proposed project and provides mitigation measures where necessary.

Impact GHG-1 Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Impact Analysis

The proposed project may contribute to climate change impacts through its contribution of GHGs. The proposed project would generate a variety of GHGs during construction and

[25] California Air Resources Board (CARB). 2018. Climate Pollutants Fall Below 1990 Levels for the First Time. Website: https://ww2.arb.ca.gov/news/climate-pollutants-fall-below-1990-levelsfirst-time. Accessed September 8, 2025.
[26] California Air Resources Board (CARB). 2017. The 2017 Climate Change Scoping Plan Update, the Proposed Strategy for Achieving California's 2030 Greenhouse Gas Target. January 17, 2017. Website: https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf. Accessed September 8, 2025.
[27] The Final 2022 Scoping Plan was released on November 16, 2022 and adopted by CARB in December 2022.

operations, including several defined by AB 32, such as CO_2, CH_4, and N_2O from the exhaust of equipment during construction and on-road vehicle trips during construction and operations.

In the absence of an adopted numeric GHG emissions threshold consistent with the State's 2030 target, the project's GHG emissions impact determination is based on the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. The project's GHG emissions are provided for informational purposes only.

Quantification of Greenhouse Gas Emissions for Informational Purposes

Construction Emissions

Construction emissions would be generated from the exhaust of construction equipment, material delivery trips, haul truck trips, and worker commuter trips. Detailed construction assumptions are provided in Modeling Parameters and Assumptions section of this technical memorandum. Construction-generated GHGs were quantified and are disclosed in Attachment A. $MTCO_2e$ emissions during construction of the project are summarized below in Table 16.

Table 16: Construction Greenhouse Gas Emissions

Project Construction (2026-2027)	**$MTCO_2e$ per Year**
Annual Project Construction Emissions 2026	100
Annual Project Construction Emissions 2027	220
Total Construction $MTCO_2e$	**320**
Emissions Amortized Over 30 Years[1]	**10.7**

Notes:
$MTCO_2e$ = metric tons of carbon dioxide equivalent
[1] Construction GHG emissions are amortized over the 30-year lifetime of the project.
Source: Modeling Assumptions and CalEEMod Output Files (Attachment A).

During the construction of the proposed project, approximately 320 $MTCO_2e$ would be emitted. Neither the Stanislaus County nor the SJVAPCD have an adopted threshold of significance for construction related GHG emissions. Because impacts from construction activities occur over a relatively short-term period, they contribute a relatively small portion of the overall lifetime project GHG emissions. In addition, GHG emission reduction measures for construction equipment are relatively limited. Therefore, a standard practice is to amortize construction emissions over the anticipated lifetime of a project so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies. However, emissions were quantified for informational purposes only. The total emissions generated during construction were amortized based on the life of the development (30 years) and added to the operational emissions to determine the total emissions from the project, as shown below.

Operational Emissions

Operational or long-term emissions occur over the life of the project. The operational emissions for the proposed project are shown in Table 17. Sources for operational emissions include the following:

- Motor Vehicles: These emissions refer to GHG emissions contained in the exhaust from cars and trucks traveling to and from the project site. Emission estimates were completed using project-specific trip generation data from the Keyes–Central Commercial Development Transportation Analysis prepared by Fehr & Peers (July 29, 2025).
- Natural Gas: These emissions refer to the GHG emissions that occur when natural gas is burned on the project site. Natural gas uses could include heating water, space heating, dryers, stoves, or other uses.
- Indirect Electricity: These emissions refer to those generated by offsite power plants to supply electricity required for the project.
- Water Transport: These emissions refer to those generated by the electricity required to transport and treat the water to be used on the project site.
- Waste: These emissions refer to the GHG emissions produced by decomposing waste generated by the project.

Detailed modeling results and more information regarding assumptions used to estimate emissions are provided in Attachment A. Operational emissions are shown in Table 17.

Table 17: Operational Greenhouse Gas Emissions for Project Buildout

Source Category	**Project Total Buildout Year ($MTCO_2e$/year)**
Area	0.2
Energy Consumption	222
Mobile (On-road Vehicles)	4,560
Water Usage	7
Solid Waste Generation	34
Refrigerants	139
Amortized Construction Emissions	10.7
Total	**4,973**
Notes: $MTCO_2e$ = metric tons of carbon dioxide equivalent Source: Modeling Assumptions and CalEEMod Output Files (Attachment A).	

Consideration No. 3 However, significance for GHG emissions is analyzed by assessing the project's compliance with Consideration No. 3 regarding consistency with adopted plans to reduce GHG emissions (see discussion below).

Impact Analysis (Project's Compliance with Consideration No. 3 Regarding Consistency with Adopted Plans to Reduce GHG Emissions)

The following analysis assesses the project's compliance with Consideration No. 3 regarding consistency with adopted plans to reduce GHG emissions. The proposed project is assessed for its consistency with CARB's adopted Scoping Plans, which include the 2008, 2017, and 2022 Scoping Plans.

Consistency with AB 32 and the 2008 Scoping Plan

The State's regulatory program implementing the 2008 Scoping Plan is now fully mature. All regulations envisioned in the Scoping Plan have been adopted, and the effectiveness of those regulations has been estimated by the agencies during the adoption process and then tracked to verify their effectiveness after implementation. The combined effect of this successful effort is that the State projects that it will achieve continued progress toward meeting post-2020 targets. Governor Brown, in the introduction to Executive Order B-30-15, stated "California is on track to meet or exceed the current target of reducing greenhouse gas emissions to 1990 levels by 2020, as established in the California Global Warming Solutions Act of 2006 (AB 32)."

Consistency with SB 32 and the 2017 Scoping Plan

The 2017 Climate Change Scoping Plan Update (2017 Scoping Plan) includes the strategy that the State intends to pursue to achieve the 2030 targets of Executive Order S-3-05 and SB 32. The 2017 Scoping Plan includes the following summary of its overall strategy for reaching the 2030 target:

- SB 350
    - Achieve 50 percent Renewables Portfolio Standard (RPS) by 2030.
    - Doubling of energy efficiency savings by 2030.
- Low Carbon Fuel Standard (LCFS)
    - Increased stringency (reducing carbon intensity 18 percent by 2030, up from 10 percent in 2020).
- Mobile Source Strategy (Cleaner Technology and Fuels Scenario)
    - Maintaining existing GHG standards for light- and heavy-duty vehicles.
    - Put 4.2 million zero-emission vehicles (ZEVs) on the roads.
    - Increase ZEV buses, delivery and other trucks.
- Sustainable Freight Action Plan
    - Improve freight system efficiency.
    - Maximize use of near-zero emission vehicles and equipment powered by renewable energy.
    - Deploy over 100,000 zero-emission trucks and equipment by 2030.
- Short-Lived Climate Pollutant (SLCP) Reduction Strategy
    - Reduce emissions of methane and hydrofluorocarbons 40 percent below 2013 levels by 2030.
    - Reduce emissions of black carbon 50 percent below 2013 levels by 2030.
- SB 375 Sustainable Communities Strategies
    - Increased stringency of 2035 targets.
- Post-2020 Cap-and-Trade Program

  - Declining caps, continued linkage with Québec, and linkage to Ontario, Canada.
  - CARB will look for opportunities to strengthen the program to support more air quality co-benefits, including specific program design elements. In Fall 2016, CARB staff described potential future amendments including reducing the offset usage limit, redesigning the allocation strategy to reduce free allocation to support increased technology and energy investment at covered entities and reducing allocation if the covered entity increases criteria or toxics emissions over some baseline.

- By 2018, develop Integrated Natural and Working Lands Action Plan to secure California's land base as a net carbon sink.

Table 18 provides an analysis of the project's consistency with the 2017 Scoping Plan Update measures.

Table 18: Consistency with SB 32 2017 Scoping Plan Update

Scoping Plan Measure	Project Consistency
SB 350 50% Renewable Mandate. Utilities subject to the legislation will be required to increase their renewable energy mix from 33% in 2020 to 50% in 2030. This has been increased to 60%. Specifically, SB 100 (2018) subsequently increased the 2030 RPS target to 60% and established a statewide policy that renewable and zero-carbon resources supply 100% of retail electricity sales by 2045.	**Consistent**: The project will purchase electricity from a utility subject to the SB 350 Renewable Mandate and the SB 100 Renewable Mandate. SB 100 revised the Renewable Portfolio Standard goals to achieve the 50 percent renewable resources target by December 31, 2026, and to achieve a 60 percent target by December 31, 2030. The electric service provider for Stanislaus County and the proposed project is subject to these requirements.
SB 350 Double Building Energy Efficiency by 2030. This is equivalent to a 20 percent reduction from 2014 building energy usage compared to current projected 2030 levels.	**Not Applicable**. This measure applies to existing buildings, while the project includes new construction. New structures are required to comply with Title 24 Energy Efficiency Standards that are expected to increase in stringency over time.
Low Carbon Fuel Standard. This measure requires fuel providers to meet an 18 percent reduction in carbon content by 2030.	**Consistent**. Vehicles accessing the project site will use fuel containing lower carbon content as the fuel standard is implemented.
Mobile Source Strategy (Cleaner Technology and Fuels Scenario). Vehicle manufacturers will be required to meet existing regulations mandated by the LEV III and Heavy-Duty Vehicle programs. The strategy includes a goal of having 4.2 million ZEVs on the road by 2030 and increasing numbers of ZEV trucks and buses.	**Consistent**. The proposed project consists of the development of a gasoline fueling station with 12 fueling positions, a 4,000-square-foot convenience store with an attached automated car wash, and a 7,500-square-foot commercial building on approximately 3.0 acres of a 7.2-acre parcel. The project is commercial in nature and would not engage in vehicle manufacturing; however, vehicles would access the project site during project operations. Future project customers, employees, vendors, and other visitors can be expected to purchase increasing numbers of more fuel efficient and zero emission cars and trucks each year. Commercial deliveries will be made by increasing numbers of ZEV delivery trucks.
Sustainable Freight Action Plan. The plan's target is to improve freight system efficiency 25 percent by increasing the value of goods and services produced	**Not Applicable**. The measure applies to owners and operators of trucks and freight operations. However, deliveries that would be made to the future

Scoping Plan Measure	Project Consistency
from the freight sector, relative to the amount of carbon that it produces by 2030. This would be achieved by deploying over 100,000 freight vehicles and equipment capable of zero emission operation and maximize near-zero emission freight vehicles and equipment powered by renewable energy by 2030.	convenience store and other commercial uses proposed as part of the project are expected to be made by increasing number of ZEV delivery trucks.
Short-Lived Climate Pollutant (SLCP) Reduction Strategy. The strategy requires the reduction of SLCPs by 40 percent from 2013 levels by 2030 and the reduction of black carbon by 50 percent from 2013 levels by 2030.	**Consistent.** Sources of black carbon are already regulated by the CARB and air district criteria pollutant and toxic regulations that control fine particulate emissions from diesel engines and other combustion sources. The primary source of black carbon from typical urban uses is wood-burning fireplaces. The project would not include wood-burning hearths. Natural gas hearths, which will not be part of the project, produce negligible amounts of black carbon compared to wood-burning fireplaces and heaters. The project is a commercial development (including a gasoline station) that would not include fireplaces. Accordingly, the project is consistent with the State's SLCP Reduction Strategy, and no additional mitigation is required.
SB 375 Sustainable Communities Strategies. Requires Regional Transportation Plans to include a sustainable communities strategy for reduction of per capita vehicle miles traveled.	**Not Applicable**. The project does not consist of a proposed regional transportation plan; therefore, this measure is not applicable to the proposed project.
Post-2020 Cap-and-Trade Program. The Post 2020 Cap-and-Trade Program continues the existing program for another 10 years. The Cap-and-Trade Program applies to large industrial sources such as power plants, refineries, and cement manufacturers.	**Consistent.** CARB administers the Cap-and-Trade Program, which sets a statewide limit on GHG emissions and allows entities to buy and sell allowances to meet their compliance obligations. As of September 2025, the program has been extended through 2045, aligning with the state's goal of achieving carbon neutrality by that year. The post-2020 Cap-and-Trade Program indirectly affects people who use the products and services produced by the regulated industrial sources when increased cost of products or services (such as electricity and fuel) are transferred to the consumers. The Cap-and-Trade Program covers the GHG emissions associated with electricity consumed in California, whether generated in-state or imported. Accordingly, GHG emissions associated with CEQA projects' electricity usage are covered by the Cap-and-Trade Program. The Cap-and-Trade Program also covers fuel suppliers (natural gas and propane fuel providers and transportation fuel providers) to address emissions from such fuels and from combustion of other fossil fuels not directly covered at large sources in the program's first compliance period.
Natural and Working Lands Action Plan. CARB is working in coordination with several other agencies at	**Not Applicable**. The proposed project consists of the development of a gasoline fueling station with 12

Scoping Plan Measure	Project Consistency
the federal, state, and local levels, stakeholders, and with the public, to develop measures as outlined in the Scoping Plan Update and the governor's Executive Order B-30-15 to reduce GHG emissions and to cultivate net carbon sequestration potential for California's natural and working land.	fueling positions, a 4,000-square-foot convenience store with an attached automated car wash, and a 7,500-square-foot commercial building on approximately 3.0 acres of a 7.2-acre parcel. The proposed project would not be considered natural or working lands.
Source: California Air Resources Board (CARB). 2017. The 2017 Climate Change Scoping Plan Update. January 20. Website: https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf. Accessed December 2025.	

Consistency Regarding GHG Reduction Goals for 2050 under Executive Order S-3-05 and GHG Reduction Goals for 2045 under the 2022 Scoping Plan

Regarding goals for 2050 under Executive Order S-3-05, at this time it is not possible to quantify the emissions savings from future regulatory measures with any level of certainty, as they have not yet been developed; nevertheless, it can be anticipated that operation of the project would comply with whatever measures are enacted that state lawmakers decide would lead to an 80 percent reduction below 1990 levels by 2050. In its 2008 Scoping Plan, CARB acknowledged that the "measures needed to meet the 2050 are too far in the future to define in detail." In the First Scoping Plan Update; however, CARB generally described the type of activities required to achieve the 2050 target: "energy demand reduction through efficiency and activity changes; large scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and rapid market penetration of efficiency and clean energy technologies that requires significant efforts to deploy and scale markets for the cleanest technologies immediately." The 2017 Scoping Plan provides an intermediate target that is intended to achieve reasonable progress toward the 2050 target. In addition, the 2022 Scoping Plan outlines objectives, regulations, planning efforts, and investments in clean technologies and infrastructure that describe how the State can achieve carbon neutrality by 2045.

CARB's 2022 Scoping Plan for Achieving Carbon Neutrality was approved in December 2022 and expands on prior Scoping Plans and legislations-such as AB 1279-by outlining a technologically feasible, cost-effective, and equity-focused path to achieve the State's climate target of reducing anthropogenic GHG emissions to 85 percent below 1990 levels and achieving carbon neutrality by 2045 or earlier.[28] To achieve carbon neutrality by 2045, the 2022 Scoping Plan contains GHG reductions, technology, and clean energy mandated by statutes, reduction of short-lived climate pollutants, and mechanical carbon dioxide capture and sequestration actions. Table 19 contains a list of key GHG emission reduction actions and strategies from the 2022 Scoping Plan and assesses the project's consistency with these actions and strategies.

[28] California Air Resources Board (ARB). 2022. Final 2022 Scoping Plan Update and Appendices. December. Website: https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents. Accessed September 2025.

Table 19: Project Consistency with 2022 Scoping Plan

2022 Scoping Plan Actions and Strategies	Responsible Party(ies)	Project Consistency
Transportation Technology • Achieve 100 percent ZEV sales of light duty vehicles by 2035 and medium heavy-duty vehicles by 2040. • Achieve 20 percent zero-emission target for the aviation sector. • Develop a rapid and robust network of ZEV refueling infrastructure to support needed transition to ZEVs. • Ensure that the transition of ZEV technology is affordable for low-income households and communities of color and meets the needs of communities and small business. • Prioritize incentive funding for heavy-duty ZEV technology deployment in regions of the state with the highest concentrations of harmful criteria and toxic air contaminant emissions. • Promote private investment in the transition to ZEV technology, undergirded by regulatory certainty such as infrastructure credits in the Low Carbon Fuel Standard for hydrogen and electricity and hydrogen station grants from the CEC's Clean Transportation Program pursuant to Executive Order B-48-18. • Evaluate and continue to offer incentives similar to those through FARMER, Carl Moyer, the Clean Fuel Reward Program, the Community Air Protection Program, the Low Carbon Transportation, including CORE. Where feasible, prioritize and increase funding for clean transportation equity programs. • Continue and accelerate funding support for zero emission vehicles and refueling infrastructure through 2030 to ensure the rapid transformation of the transportation sector.	State agencies and local agencies	**No Conflict**: Vehicles must transition to zero-emission technology to decarbonize the transportation sector. Executive Order N-79-20 reflects the urgency of transitioning to zero emission vehicles (ZEVs) by establishing target dates for reaching 100 percent ZEV sales or fleet transitions to ZEV technology. EO N-79-20 calls for 100 percent ZEV sales of new light-duty vehicles by 2035. The Advanced Clean Cars II regulation fulfills this goal and serves as the primary mechanism to help deploy ZEVs. A number of existing incentive programs also support this transition, including the Clean Cars 4 All Program. EO N-79-20 also sets targets for transitioning the medium- and heavy-duty fleet to zero emissions: by 2035 for drayage trucks and by 2045 for buses and heavy-duty long-haul trucks where feasible. Replacing heavy-duty vehicles with ZEV technology will substantially reduce GHG emissions and diesel PM emissions in communities adjacent to ports, distribution centers, and highways. EO N-79-20 sets an off-road equipment target of transitioning the entire fleet to ZEV technology by 2035, where feasible. There are a number of funding sources available to support this transition, including FARMER, Carl Moyer, and Community Air Protection Incentives; as well as Low Carbon Transportation Incentives, including the Clean Off-Road Equipment program. Refueling infrastructure is a crucial component of transforming transportation technology. Electric vehicle chargers and hydrogen refueling stations must become easily accessible for all drivers to support a wholesale transition to ZEV technology. Deployment of ZEV refueling infrastructure is currently supported by a number of existing State public funding mechanisms. Intrastate aviation relies on internal combustion engine technology today, but battery-electric and hydrogen fuel cell aviation applications are in development, along with sustainable aviation fuel. The proposed project consists of the development of a gasoline fueling station with 12 fueling positions, a 4,000-square-foot convenience store with an attached automated car wash, and a 7,500-square-foot commercial building on approximately 3.0 acres of a 7.2-acre parcel. Greenhouse gas emissions generated by project-related vehicle travel would benefit from existing and future State regulations and programs aimed at reducing mobile source emissions, including fleet turnover and the continued

2022 Scoping Plan Actions and Strategies	Responsible Party(ies)	Project Consistency
		transition of passenger vehicles and truck fleets to zero-emission technologies. Although the project does not include dedicated electric vehicle charging infrastructure, mobile source emissions associated with the project would continue to decline over time as the statewide vehicle fleet becomes increasingly electrified. Accordingly, the project would not conflict with actions under the transportation technology sector.
Transportation Fuels • Accelerate the reduction and replacement of fossil fuel production and consumption in California. • Incentivize private investment in new zero-carbon fuel production in California. • Incentivize the transition of existing fuel production and distribution assets to support deployment of low- and zero-carbon fuels while protecting public health and the environment. • Invest in the infrastructure to support reliable refueling for transportation such as electricity and hydrogen refueling. • Evaluate and propose, as needed, changes to strengthen the Cap-and-Trade Program. • Initiate a public process focused on options to increase the stringency and scope of the LCFS: - Evaluate and propose accelerated carbon intensity targets pre-2030 for LCFS. - Evaluate and propose further declines in LCFS post-2030 carbon intensity targets to align with this 2022 Scoping Plan. - Consider integrating opt-in sectors into the program. - Provide capacity credits for hydrogen and electricity for heavy-duty fueling. • Monitor for and ensure that raw materials used to produce low-carbon fuels or technologies do not result in unintended consequences.	State agencies and local agencies	**No Conflict**: Mobile source emissions generated by the proposed commercial project would be reduced with implementation of the wider use of zero-carbon fuels consistent with reduction of GHG emissions under AB 1279. Additionally, the project would utilize energy efficiency appliances and equipment and will meet the applicable energy standards in the Title 24 Building Energy Efficiency Standards and CALGreen Code, which will limit the amount of fossil fuel use and GHG emissions. During operations the project will provide improvements to the pedestrian network by complying with local building codes and incorporating paved areas and landscaping. Because the actions and strategies are implemented by state and local agencies, project consistency is evaluated by determining whether the project would conflict with actions required in the transportation fuels sector. As supported by the information presented above, the project would not conflict with actions in the transportation fuels sector
Vehicles Miles Traveled • Achieve a per capita VMT reduction of at least 25 percent below 2019 levels by 2030 and 30 percent below 2019 levels by 2045. • Reimagine new roadway projects that decrease VMT in a way that meets community needs and reduces the need to drive. • Invest in making public transit a viable alternative to driving by increasing affordability, reliability, coverage, service frequency, and consumer experience. • Implement equitable roadway pricing strategies based on local context and need, reallocating revenues to improve transit, bicycling, and other sustainable transportation choices. • Expand and complete planned networks of high-quality active transportation infrastructure. • Channel the deployment of autonomous vehicles, ride-hailing services, and other new mobility	State agencies and local agencies	**No Conflict**: VMT reductions will play a crucial role in reducing overall transportation energy demand and achieving California's climate, air quality, and equity goals. CARB did not set regulatory limits on VMT in the 2022 Scoping Plan because the authority to reduce VMT largely lies with state, regional, and local transportation, land use, and housing agencies, along with the Legislature and its budgeting choices. The project-specific VMT impacts were addressed under the transportation section of the CEQA document. Impacts related to proposed project's VMT were found to be less than significant. As such, the project would not conflict with actions in the vehicle miles traveled sector.

2022 Scoping Plan Actions and Strategies	Responsible Party(ies)	Project Consistency
options toward high passenger-occupancy and low VMT-impact service models that complement transit and ensure equitable access or priority populations. • Streamline access to public transportation through programs such as the California Integrated Travel Project. • Ensure alignment of land use, housing, transportation, and conservation planning in adopted regional plans and local plans (e.g., general plans, zoning, and local transportation plans), and develop tools to support implementation of these plans. • Accelerate infill development and housing production at all affordability levels in transportation-efficient places, with a focus on housing for lower income residents.		
Clean Electricity Grid • Per SB 350, double statewide energy efficiency savings in electricity and fossil gas end uses by 2030, through a combination of energy efficiency and fuel substitution actions. • Use long-term planning processes to support grid reliability and expansion of renewable and zero-carbon resource and infrastructure deployment. • Complete systemwide and local reliability assessments. Such assessments should be completed before state agencies update their electricity sector GHG targets. • Prioritize actions to mitigate impacts to electricity reliability and affordability and provide sufficient flexibility in the state's decarbonization roadmap for adjustments as may be needed. • Facilitate long lead-time resource development. • Continue coordination between energy agencies and energy proceedings to maximize opportunities for demand response. • Continue to explore the benefits of regional markets to enhance decarbonization, reliability, and affordability. • Address resource build-out challenges, including permitting, interconnection, and transmission network upgrades. • Explore new financing mechanisms and rate designs to address affordability. • Per SB 100 and SB 1020, achieve 90 percent, 95 percent, and 100 percent renewable and zero-carbon retail sales by 2035, 2040, and 2045, respectively. • Evaluate and propose, as needed, changes to strengthen the Cap-and-Trade Program. • Target programs and incentives to support and improve access to renewable and zero-carbon energy projects (e.g., rooftop solar, community owned or controlled solar or wind, battery storage, and microgrids) for communities most at need,	State agencies and local agencies	**No Conflict**: Decarbonizing the electricity sector depends on both using energy more efficiently and replacing fossil-fueled generation with renewable and zero carbon resources, including solar, wind, energy storage, geothermal, biomass, and hydroelectric power. The RPS Program and the Cap-and-Trade Program continue to incentivize dispatch of renewables over fossil generation to serve state demand. SB 100 increased RPS stringency to require 60 percent renewables by 2030 and for California to provide 100 percent of its retail sales of electricity from renewable and zero-carbon resources by 2045. Furthermore, SB 1020 has added interim targets to SB 100's policy framework to require renewable and zero-carbon resources to supply 90 percent of all retail electricity sales by 2035 and 95 percent of all electricity retail sales by 2040; establish a planning goal of at least 20 GW of offshore wind by 2045; and that state agencies plan for an energy transition that avoids the need for new fossil gas capacity to meet California's long-term energy goals. California also continues to advance its appliance and building energy efficiency standards to reduce growth in electricity consumption and meet the SB 350 goal to double statewide energy efficiency savings in electricity and fossil gas end uses by 2030. Increased transportation and building electrification and continued policy commitment to behind-the-meter solar and storage will continue to drive growth of microgrids and other distributed energy resources. Continued transition to renewable and zero-carbon electricity resources will enable electricity to become a zero-carbon substitute for fossil fuels. This transformation will drive investments in a large fleet of generation and storage resources but will also require significant transmission to accommodate these new

2022 Scoping Plan Actions and Strategies	Responsible Party(ies)	Project Consistency
including frontline, low-income, rural, and indigenous communities. • Prioritize public investments in zero-carbon energy projects to first benefit the most overly burdened communities affected by pollution, climate impacts, and poverty.		capacity additions. Resources such as storage and demand-side management are essential to maintain reliability with high concentrations of renewables. Hydrogen produced from renewable resources and renewable feedstocks can serve a dual role as a low-carbon fuel for existing combustion turbines or fuel cells, and as energy storage for later use. The proposed project would include energy-efficient building systems and equipment and would be constructed in compliance with the applicable Title 24 Building Energy Efficiency Standards and CALGreen Code requirements in effect at the time of permitting. The commercial buildings, including the convenience store, car wash, and spec commercial building (fast-food restaurant), would be built in accordance with current energy efficiency regulations. As such, the project would not conflict with actions under the clean electricity grid sector.
Sustainable Manufacturing and Buildings • Maximize air quality benefits using the best available control technologies for stationary sources in communities most in need. • Implement SB 905, which requires CARB to create the Carbon Capture, Removal, Utilization, and Storage Program to evaluate, demonstrate, and regulate carbon capture, utilization, and sequestration and carbon dioxide removal projects and technology. • End fossil gas infrastructure expansion for newly constructed buildings. • Develop a net-zero cement strategy to meet SB 956 targets for the GHG intensity of cement use. • Leverage energy efficiency and low carbon hydrogen programs. • Prioritize most vulnerable residents with the majority of funds in the new $922 million Equitable Building Decarbonization program. • Achieve three million all-electric and electric-ready homes by 2030 and seven million by 2035 with six million heat pumps installed by 2030. • Adopt a zero-emission standard for new space and water heaters sold in California beginning in 2030. • Implement biomethane procurement targets for investor-owned utilities as specified in SB 1440.	State agencies and local agencies	**No Conflict**: The 2022 Scoping Plan reduces dependence on fossil gas in the industrial and building sectors by transitioning substantial energy demand to alternative fuels. Combustion of fossil gas, other gaseous fossil fuels, and solid fossil fuels provide energy to meet three broad industry needs: electricity, steam, and process heat. Non-combustion emissions result from fugitive emissions and from the chemical transformations inherent to some manufacturing processes. Decarbonizing industrial facilities depends upon displacing fossil fuel use with a mix of electrification, solar thermal heat, biomethane, low- or zero-carbon hydrogen, and other low-carbon fuels to provide energy for heat and reduce combustion emissions. Emissions also can be reduced by implementing energy efficiency measures and using substitute raw materials that can reduce energy demand and some process emissions. Some remaining combustion emissions and some non-combustion CO_2 emissions can be captured and sequestered. This sector has a continuing demand for fossil gas due to lack of non-combustion technologically feasible or cost-effective alternatives for certain industrial sectors. Microgrids powered by renewable resources and with battery storage are emerging as a key enabler of electrification and decarbonization at industrial facilities. The project is commercial in nature and does not include industrial or manufacturing uses. The proposed buildings would be newly constructed and would incorporate energy-efficient systems and equipment, as applicable, and would comply with the Title 24 Building Energy Efficiency Standards and CALGreen Code requirements in effect at the time of permitting. Site development would include paved internal circulation, code-compliant lighting, and

2022 Scoping Plan Actions and Strategies	Responsible Party(ies)	Project Consistency
		modern building systems designed to meet current efficiency standards. Accordingly, the project would not conflict with actions under the sustainable manufacturing and buildings sector.
Carbon Dioxide Removal and Capture Sector • Implement SB 905. • Achieve the 85 percent reduction in anthropogenic sources below 1990 levels per AB 1279 by incorporating Carbon Capture and Storage (CCS) into sectors and programs beyond transportation. • Evaluate and propose the role for CCS in cement decarbonization and as part of hydrogen peroxide pathways. • Explore carbon capture application for zero-carbon power for reliability needs per SB 100.	State agencies and local agencies	**No Conflict**: CARB has acknowledged that the deployment of carbon dioxide removal to counterbalance hard-to-abate residual emissions is needed to achieve net zero GHG emissions. Modeling shows that emissions from the AB 32 GHG Inventory sources will continue to persist even if all fossil related combustion emissions are phased out. Carbon dioxide removal includes both sequestration in natural and working lands and mechanical approaches such as: direct air capture, CCS (which is carbon capture from anthropogenic point sources involves capturing carbon from a smokestack of an emitting facility), or direct air capture (which captures carbon directly from the atmosphere). The project would not conflict with measures to increase carbon dioxide removal and capture. As such, the project would not conflict with action under the carbon dioxide removal and capture sector.
Short-Lived Climate Pollutants (Non- Combustion Gases) • Install anaerobic digesters to maximize air and water quality protection, maximize biomethane capture, and direct biomethane to specific sectors. • Increase alternative manure management projects. • Expand markets for products made from organic waste. • Pursuant to SB 1137, develop leak detection and repair plans for facilities in health protection zones, implement emission detection system standards, and provide public access to emissions data. • Convert large HFC emitters to the lowest practical global warming potential (GWP) technologies.	State agencies and local agencies	**No Conflict**: SLCPs include black carbon, methane, and fluorinated gases. Dairy and livestock are the largest source of methane emissions followed by landfills. Black Carbon (soot) comes primarily from transportation, specifically heavy-duty vehicles followed by fuel combustion for residential, commercial, and industrial uses. The project would not conflict with SLCP dairy and livestock methane sector actions in the 2022 Scoping Plan. The proposed project consists of the development of a gasoline fueling station with 12 fueling positions, a 4,000-square-foot convenience store with an attached automated car wash, and a 7,500-square-foot commercial building on approximately 3.0 acres of a 7.2-acre parcel. The proposed project does not include dairy or livestock. Furthermore, the project does not include a new landfill or any oil or gas production, processing, or storage facilities. The project would comply with the 2022 CalGreen Code for energy efficiency and use of high-GWP refrigerants and would not conflict with these policies or actions. Considering the information presented above, the project would not conflict with SLCP sector actions in the 2022 Scoping Plan.
Natural and Working Lands • Implement AB 1757 and SB 27. • Implement the Climate Smart Strategy.	State agencies and local agencies	**No Conflict**: AB 1757 requires state agencies to set targets for natural carbon removal and emissions reductions on natural and working lands. AB 1757 is expected to catalyze natural carbon sequestration in California by: requiring California Natural Resources

2022 Scoping Plan Actions and Strategies	Responsible Party(ies)	Project Consistency
• Accelerate the pace and scale of climate smart forest management to at least 2.3 million acres annually by 2025. • Accelerate the pace and scale of healthy soils practices to 80,000 acres annually by 2025, conserve at least 8,000 acres of annual crops annually, and increase organic agriculture to 20 percent of all cultivated acres by 2045. • Restore 60,000 acres of Delta wetlands annually by 2045. • Increase urban forestry investment annually by 200 percent, relative to business as usual.		Agency and CARB to establish targets for sequestration on natural and working lands for 2030, 2038, and 2045; ensuring that natural sequestration projects have rigorous measurement and verification; and establishing an expert committee to advise state agencies on modeling and implementation. SB 27 is designed to accelerate the removal of carbon from the atmosphere by expanding California's carbon removal capability (i.e. sequestration) and improve the carbon retention of the state's natural and working lands. The project is commercial in nature and would not include natural working lands. As such, the project would not conflict with natural and working strategies under the 2022 Scoping Plan.

Source: California Air Resources Board (CARB). 2022. 2022 Scoping Plan for Achieving Carbon Neutrality. November 16. Website: https://ww2.arb.ca.gov/sites/default/files/2022-12/2022-sp_1.pdf. Accessed December 2025.

As shown above in Table 19, the project would not conflict with relevant 2022 Scoping Plan actions or strategies that aim to achieve the State's climate target of reducing anthropogenic emissions to 85 percent below 1990 levels and achieving carbon neutrality by 2045.

Conclusion

Based on the analysis presented, the project's GHG emissions, both direct and indirect, would not result in a significant impact on the environment. In the absence of an adopted numeric GHG threshold consistent with the State's 2030 target, the determination of significance is based on the project's consistency with regulations and requirements adopted to implement statewide, regional, and local plans for the reduction or mitigation of GHG emissions. The project would comply with all applicable federal, State, and local regulations governing GHG emissions, including the California Building Standards (Title 24 and CALGreen). Given the project's adherence to applicable regulatory requirements and its consistency with relevant GHG reduction plans, impacts related to GHG emissions are considered less than significant.

Level of Significance Before Mitigation
Less than significant.

Mitigation Measures
No mitigation measures are necessary.

Impact GHG-2 Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Impact Analysis

The analysis contained above under Impact GHG-1 evaluates whether the project would not conflict with any applicable plan, policy, or regulation of an agency adopted to reduce the emissions of GHGs. As demonstrated in the analysis contained under Impact GHG-1, the

project would not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions. This includes consideration of statewide plans such as the CARB Climate Change Scoping Plan, regional guidance prepared by the SJVAPCD, and applicable local plans and policies adopted by the County. Based on the analysis, the project would not conflict with any of these plans, policies, or regulations. Accordingly, the impact would be less than significant.

Level of Significance Before Mitigation
Less than significant.

Mitigation Measures
No mitigation measures are necessary.

Attachments:

Attachment A – Modeling Assumptions and CalEEMod Output Files

Attachment B – Health Risk Assessments (Construction and Operations)

ATTACHMENT A
Modeling Assumptions and CalEEMod Output Files

Modeling Assumptions and CalEEMod Output Files

Table of Contents

Modeling Assumptions/Additional Supporting Information

- **Keyes-Central Commercial Development Construction Assumptions**
- **Project Site Vicinity Map**
- **Site Plan Overlay Map**
- **Keyes-Central Commercial Development Project Site Plan**

CalEEMod Output Files

- **Unmitigated Project Construction & Buildout Operations**
- **Maximum Daily On-site/Localized Construction and Operational Emissions**
- **Mitigated Project Construction (Tier 4 Equipment Scenario)**

Construction Assumptions
Keyes-Central Commercial Development Project

Construction Phase

Phase Name	Start Date	End Date	Days Per Week	Work Days per Phase
Demolition	11/2/2026	11/13/2026	5	10
Site Preparation	11/14/2026	11/18/2026	5	3
Grading	11/19/2026	12/16/2026	5	20
Paving	12/17/2026	12/30/2026	5	10
Building Construction	12/17/2026	10/20/2027	5	220
Architectural Coating	10/01/2027	10/28/2027	5	20

Notes:
Construction phase durations were reviewed and adjusted in CalEEMod to reflect the anticipated construction schedule. Default durations were retained for Building Construction (the longest modeled phase). Demolition duration was reduced, and grading and architectural coating durations were increased relative to CalEEMod defaults to align with project-specific schedule assumptions.

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Type
Demolition	Tractors/Loaders/Backhoes	3	8	84	0.37	Diesel
Demolition	Rubber Tired Dozers	1	8	367	0.40	Diesel
Demolition	Concrete/Industrial Saws	1	8	33	0.73	Diesel
Site Preparation	Graders	1	8	148	0.41	Diesel
Site Preparation	Scrapers	1	8	423	0.48	Diesel
Site Preparation	Tractors/Loaders/Backhoes	1	7	84	0.37	Diesel
Grading	Graders	1	8	148	0.41	Diesel
Grading	Rubber Tired Dozers	1	8	367	0.40	Diesel
Grading	Tractors/Loaders/Backhoes	2	7	84	0.37	Diesel
Paving	Tractors/Loaders/Backhoes	1	8	84	0.37	Diesel
Paving	Pavers	1	8	81	0.42	Diesel
Paving	Paving Equipment	1	8	89	0.36	Diesel
Paving	Rollers	2	8	36	0.38	Diesel
Paving	Cement and Mortar Mixers	1	8	10	0.56	Diesel
Building Construction	Cranes	1	8	367	0.29	Diesel
Building Construction	Forklifts	2	7	82	0.20	Diesel
Building Construction	Generator Sets	1	8	14	0.74	Diesel
Building Construction	Tractors/Loaders/Backhoes	1	6	84	0.37	Diesel
Building Construction	Welders	3	8	46	0.45	Diesel
Architectural Coating	Air Compressors	1	6	37	0.48	Diesel

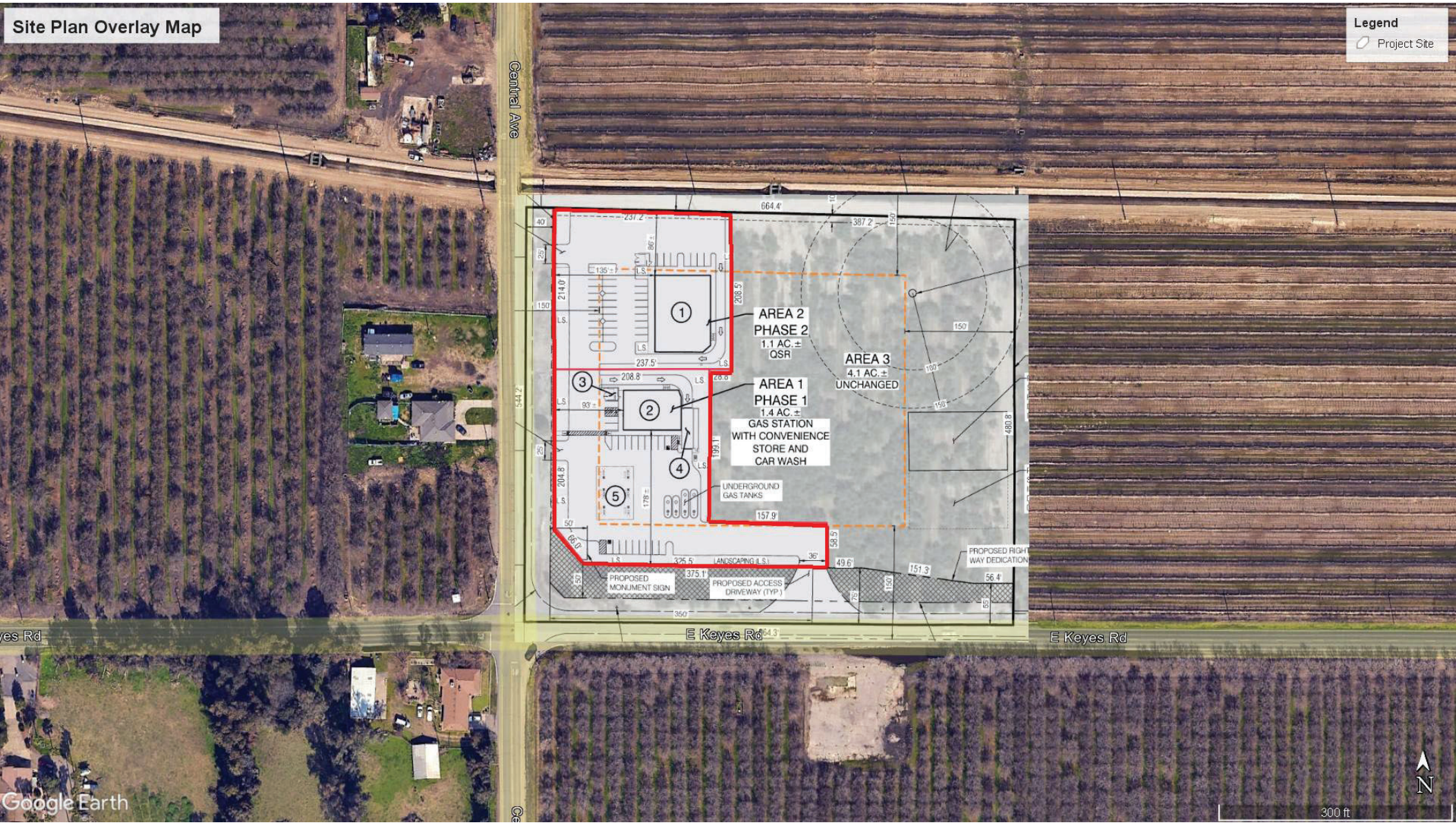
Notes:
CalEEMod-default construction equipment assumptions in CalEEMod (including equipment types, quantities, horsepower, and operating hours) were retained.

Construction Trips and VMT

Phase Name	Worker Trips per Day	Vendor Trips per Day	Hauling Trips per Day	Worker Trip Length	Vendor Trip Length	Hauling Trip Length
Demolition	12.50	4.00	3.50	10.79	7.17	20.00
Site Preparation	7.50	4.00	0.00	10.79	7.17	20.00
Grading	10.00	4.00	62.50	10.79	7.17	20.00
Paving	15.00	4.00	0.00	10.79	7.17	20.00
Building Construction	5.23	2.29	0.00	10.79	7.17	20.00
Architectural Coating	2.00	4.00	0.00	10.79	7.17	20.00

Notes:
Demolition of a small non-residential building (3,000 square feet) was included in the model. Additional vendor trips were added to the demolition, site preparation, grading, paving, and architectural coating phases to account for material deliveries, as CalEEMod defaults for these phases assume zero vendor trips. Default vendor trip assumptions were retained for the building construction phase.

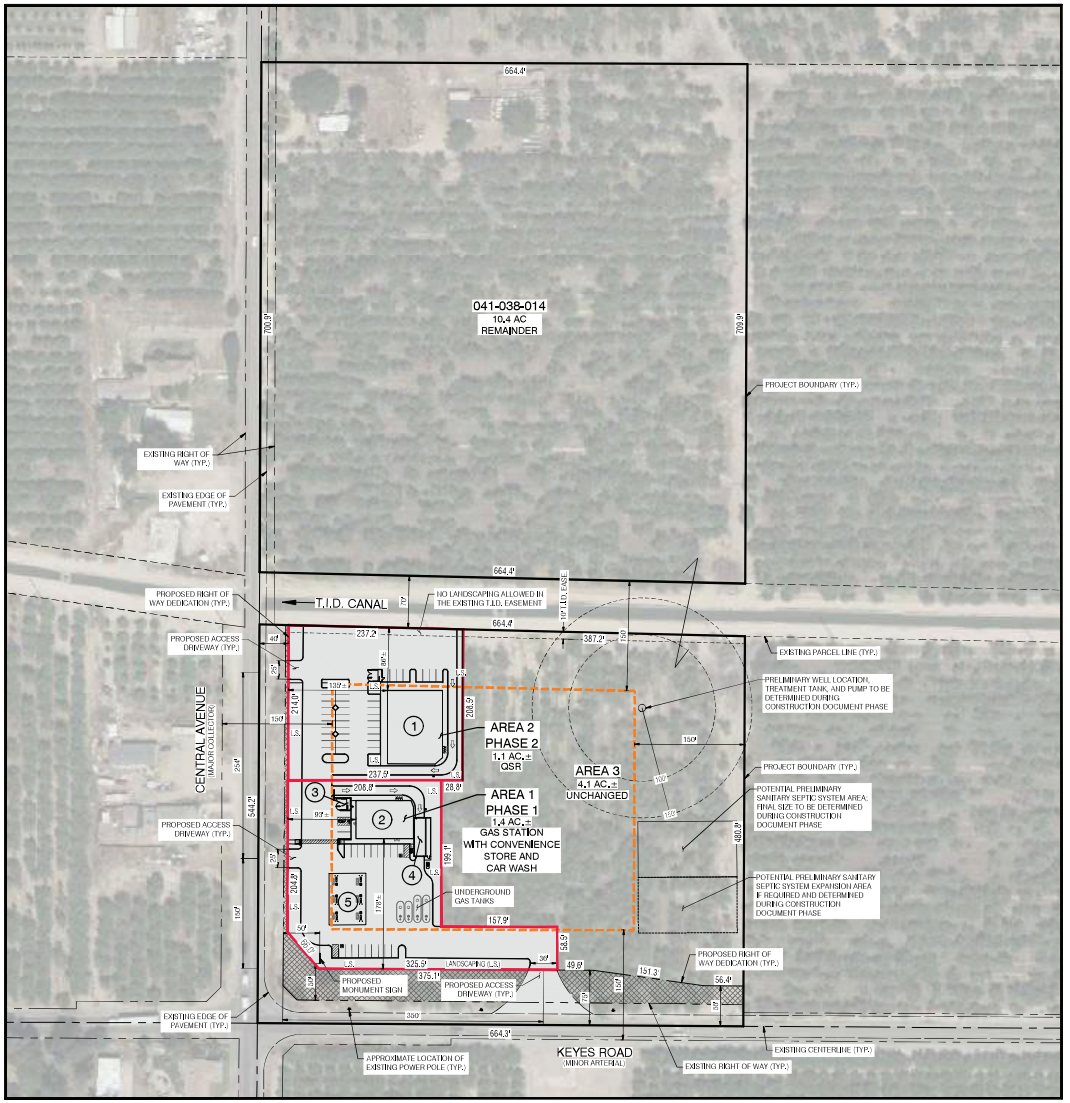

Vicinity Map
Legend
Project Site
Central Ave
E Keyes Rd
E Keyes Rd
E Keyes Rd
Central Ave
Google Earth
N
700 ft

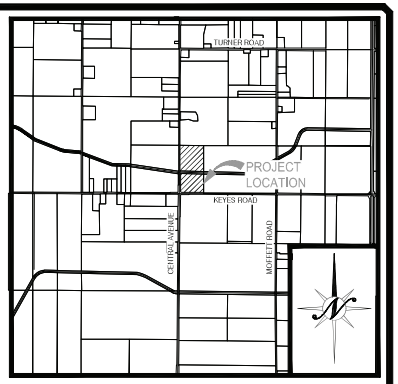

Site Plan Overlay Map
Legend
Project Site
Central Ave
E Keyes Rd
AREA 2
PHASE 2
1.1 AC.±
QSR
AREA 3
4.1 AC.±
UNCHANGED
AREA 1
PHASE 1
1.4 AC.±
GAS STATION
WITH CONVENIENCE
STORE AND
CAR WASH
UNDERGROUND
GAS TANKS
PROPOSED
MONUMENT SIGN
PROPOSED ACCESS
DRIVEWAY (TYP.)
PROPOSED RIGHT
WAY DEDICATION
664.4'
387.2'
237.2'
237.5'
208.8'
325.5'
375.1'
157.9'
49.6'
151.3'
56.4'
350'
544.2'
480.8'
N
300 ft
Google Earth

SITE PLAN FOR

KEYES ROAD AND CENTRAL AVENUE COMMERCIAL

STANISLAUS COUNTY, CALIFORNIA

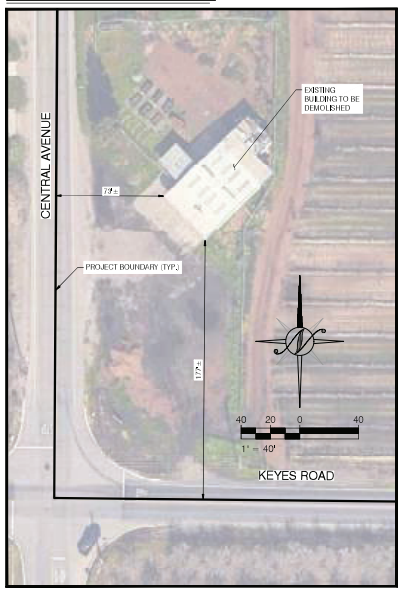




VICINITY MAP

N.T.S.

EXISTING STRUCTURE EXHIBIT



LEGEND

- 150' AGRICULTURAL BUFFER
- PROPOSED PROJECT AREA BOUNDARY, BY PHASE
- PROPOSED PROJECT AREA
- RIGHT OF WAY DEDICATION (TO BE CLEARED OF ALL TREES AND STRUCTURES)

PROPOSED STRUCTURE LEGEND

1. 7,500 S.F. QUICK SERVE RESTAURANT WITH DRIVE-THRU
2. 4,000 S.F. CONVENIENCE STORE
3. TRASH ENCLOSURE
4. CAR WASH
5. GAS PUMP CANOPY

EXISTING CONDITION NOTES

1. EXISTING BUILDING TO BE DEMOLISHED.
2. EXISTING TREES WITHIN AREA TO BE IMPROVED TO BE REMOVED.

PARKING TABLE

TOTAL PARKING SPACES REQUIRED (1 PER 300 S.F.) = 39
TOTAL PARKING SPACES PROPOSED = 55

LAND DESIGNATION

EXISTING ZONING/ GENERAL PLAN:
GENERAL AG 40 ACRE/ AGRICULTURE

PROPOSED ZONING/ GENERAL PLAN:
PLANNED DEVELOPMENT

PREPARED FOR

CLIENT:
NAPA FARMS, LLC
2561 4TH STREET
CERES, CA 95307
T: (209) 691-7094
CONTACT:
NAV ATHWAL

PREPARED BY

ENGINEER:
NORTH STAR ENGINEERING GROUP, INC.
620 10TH STREET
MODESTO, CA, 95354
(209) 524-3525
CONTACT:
MALLORIE FENRICH

PROJECT LOCATION

APN:
041-038-014 (NOT A PART) AND 015
STANISLAUS COUNTY, CA 95307

80 40 0 80
1" = 80'

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NO. | DESCRIPTIONS | DATE | APPROVED

SITE PLAN

KEYES ROAD AND CENTRAL AVENUE
STANISLAUS COUNTY, CALIFORNIA

North Star Engineering Group, Inc.
620 10th Street
Modesto, CA 95354
(209) 524-3525 Phone
(209) 524-3526 Fax

JOB #: 23-3415
DATE: 12/04/2025
SCALE: AS SHOWN
DRAWN: PMH
DESIGN: PMH
CHKD: MF

SHEET NUMBER

EX1

Keyes-Central Commercial Development Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Keyes-Central Commercial Development
Construction Start Date	11/2/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.10000
Precipitation (days)	29.2000
Location	37.552236, -120.956503
County	Stanislaus
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2260
EDFZ	14
Electric Utility	Turlock Irrigation District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.37

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Convenience Market with Gas Pumps	4.00000	1000sqft	0.09183	4,000.00	0.00000	0.00000	—	Gasoline Service Station
Automobile Care Center	2.50000	1000sqft	0.05739	2,500.00	0.00000	0.00000	—	Automated Car Wash 2,500 SF (assumed)
Fast Food Restaurant with Drive Thru	7.50000	1000sqft	0.17218	7,500.00	0.00000	0.00000	—	Fast Food Restaurant (Drive-Through)
Other Non-Asphalt Surfaces	0.45000	Acre	0.45000	0.00000	0.00000	0.00000	—	—
Parking Lot	2.22860	Acre	2.22860	0.00000	14,560.0	0.00000	—	Remaining area to equal 3-acre area assumed to be parking lot

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.38043	1.15165	9.77340	11.9628	0.02348	0.32246	0.05367	0.37613	0.29672	0.01316	0.30988	—	2,291.83	2,291.83	0.09116	0.02674	0.25383	2,302.33
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.88693	2.51240	18.5385	20.7842	0.05223	0.66288	4.03485	4.69773	0.61656	1.67947	2.29603	—	6,905.20	6,905.20	0.20035	0.71583	0.27435	7,123.80
2027	6.39527	6.14162	10.7383	13.1457	0.02584	0.34277	0.09298	0.43575	0.31551	0.02338	0.33889	—	2,522.09	2,522.09	0.09925	0.04131	0.01307	2,536.90

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.24566	0.20631	1.92482	1.96530	0.00482	0.07133	0.24140	0.31273	0.06601	0.09583	0.16184	—	588.549	588.549	0.01912	0.04318	0.27651	602.172
2027	1.06469	0.93280	5.65843	6.89975	0.01359	0.18601	0.03234	0.21835	0.17117	0.00796	0.17912	—	1,325.11	1,325.11	0.05283	0.01619	0.06874	1,331.32
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.04483	0.03765	0.35128	0.35867	0.00088	0.01302	0.04405	0.05707	0.01205	0.01749	0.02954	—	97.4410	97.4410	0.00317	0.00715	0.04578	99.6965
2027	0.19431	0.17024	1.03266	1.25920	0.00248	0.03395	0.00590	0.03985	0.03124	0.00145	0.03269	—	219.387	219.387	0.00875	0.00268	0.01138	220.415

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	30.7774	29.2840	19.0543	161.859	0.32680	0.28722	27.8417	28.1289	0.27041	7.08478	7.35519	—	33,354.4	33,354.4	1.72130	1.76452	112.042	34,035.3
Area	0.44380	0.43544	0.00512	0.60888	0.00004	0.00108	—	0.00108	0.00082	—	0.00082	—	2.50385	2.50385	0.00011	0.00002	—	2.51288
Energy	0.02623	0.01312	0.23849	0.20033	0.00143	0.01812	—	0.01812	0.01812	—	0.01812	—	1,181.74	1,181.74	0.37466	0.49979	—	1,340.04
Water	—	—	—	—	—	—	—	—	—	—	—	5.38078	15.8651	21.2459	0.55792	0.02194	—	41.7312
Waste	—	—	—	—	—	—	—	—	—	—	—	58.1854	0.00000	58.1854	5.81542	0.00000	—	203.571
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	841.005	841.005
Total	31.2474	29.7325	19.2979	162.668	0.32827	0.30643	27.8417	28.1481	0.28935	7.08478	7.37413	63.5662	34,554.6	34,618.1	8.46940	2.28627	953.047	36,464.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	27.6395	25.9953	21.8030	149.608	0.30170	0.28754	27.8417	28.1292	0.27071	7.08478	7.35549	—	30,815.1	30,815.1	2.05567	1.90867	2.90519	31,438.2
Area	0.33545	0.33545	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02623	0.01312	0.23849	0.20033	0.00143	0.01812	—	0.01812	0.01812	—	0.01812	—	1,181.74	1,181.74	0.37466	0.49979	—	1,340.04
Water	—	—	—	—	—	—	—	—	—	—	—	5.38078	15.8651	21.2459	0.55792	0.02194	—	41.7312
Waste	—	—	—	—	—	—	—	—	—	—	—	58.1854	0.00000	58.1854	5.81542	0.00000	—	203.571
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	841.005	841.005

Total	28.0012	26.3439	22.0415	149.808	0.30313	0.30566	27.8417	28.1474	0.28883	7.08478	7.37362	63.5662	32,012.7	32,076.3	8.80367	2.43040	843.911	33,864.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	24.3695	23.0196	17.7439	125.709	0.26427	0.24692	23.4212	23.6681	0.23245	5.96189	6.19435	—	26,987.1	26,987.1	1.64074	1.58389	41.4681	27,541.6
Area	0.38888	0.38476	0.00253	0.30027	0.00002	0.00053	—	0.00053	0.00040	—	0.00040	—	1.23478	1.23478	0.00005	0.00001	—	1.23923
Energy	0.02623	0.01312	0.23849	0.20033	0.00143	0.01812	—	0.01812	0.01812	—	0.01812	—	1,181.74	1,181.74	0.37466	0.49979	—	1,340.04
Water	—	—	—	—	—	—	—	—	—	—	—	5.38078	15.8651	21.2459	0.55792	0.02194	—	41.7312
Waste	—	—	—	—	—	—	—	—	—	—	—	58.1854	0.00000	58.1854	5.81542	0.00000	—	203.571
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	841.005	841.005
Total	24.7846	23.4175	17.9849	126.209	0.26572	0.26558	23.4212	23.6868	0.25098	5.96189	6.21287	63.5662	28,186.0	28,249.5	8.38879	2.10563	882.474	29,969.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.44744	4.20108	3.23825	22.9419	0.04823	0.04506	4.27437	4.31943	0.04242	1.08805	1.13047	—	4,468.02	4,468.02	0.27164	0.26223	6.86551	4,559.83
Area	0.07097	0.07022	0.00046	0.05480	< 0.000005	0.00010	—	0.00010	0.00007	—	0.00007	—	0.20443	0.20443	0.00001	< 0.000005	—	0.20517
Energy	0.00479	0.00239	0.04352	0.03656	0.00026	0.00331	—	0.00331	0.00331	—	0.00331	—	195.650	195.650	0.06203	0.08275	—	221.860
Water	—	—	—	—	—	—	—	—	—	—	—	0.89085	2.62665	3.51750	0.09237	0.00363	—	6.90908
Waste	—	—	—	—	—	—	—	—	—	—	—	9.63325	0.00000	9.63325	0.96281	0.00000	—	33.7035
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	139.238	139.238
Total	4.52320	4.27369	3.28224	23.0332	0.04849	0.04847	4.27437	4.32283	0.04580	1.08805	1.13385	10.5241	4,666.51	4,677.03	1.38886	0.34861	146.104	4,961.74

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	—	0.50831	0.46764	—	0.46764	—	2,493.95	2,493.95	0.10117	0.02023	—	2,502.51
Demolition	—	—	—	—	—	—	0.19442	0.19442	—	0.02944	0.02944	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04546	0.03812	0.35456	0.40045	0.00066	0.01393	—	0.01393	0.01281	—	0.01281	—	68.3273	68.3273	0.00277	0.00055	—	68.5618
Demolition	—	—	—	—	—	—	0.00533	0.00533	—	0.00081	0.00081	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00830	0.00696	0.06471	0.07308	0.00012	0.00254	—	0.00254	0.00234	—	0.00234	—	11.3124	11.3124	0.00046	0.00009	—	11.3512
Demolition	—	—	—	—	—	—	0.00097	0.00097	—	0.00015	0.00015	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05301	0.04839	0.04048	0.47623	0.00000	0.00000	0.09529	0.09529	0.00000	0.02234	0.02234	—	89.4503	89.4503	0.00303	0.00408	0.00969	90.7504
Vendor	0.00509	0.00312	0.12548	0.04317	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	88.9600	88.9600	0.00188	0.01335	0.00571	92.9914
Hauling	0.00957	0.00548	0.30934	0.07230	0.00162	0.00463	0.06489	0.06952	0.00463	0.01777	0.02240	—	240.219	240.219	0.00540	0.03804	0.01461	251.705
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00145	0.00133	0.00100	0.01352	0.00000	0.00000	0.00256	0.00256	0.00000	0.00060	0.00060	—	2.52539	2.52539	0.00007	0.00011	0.00442	2.56478
Vendor	0.00014	0.00009	0.00335	0.00116	0.00002	0.00003	0.00065	0.00068	0.00003	0.00018	0.00021	—	2.43579	2.43579	0.00005	0.00037	0.00260	2.54869
Hauling	0.00027	0.00015	0.00834	0.00196	0.00004	0.00013	0.00175	0.00188	0.00013	0.00048	0.00061	—	6.57901	6.57901	0.00015	0.00104	0.00665	6.89994
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00027	0.00024	0.00018	0.00247	0.00000	0.00000	0.00047	0.00047	0.00000	0.00011	0.00011	—	0.41811	0.41811	0.00001	0.00002	0.00073	0.42463
Vendor	0.00003	0.00002	0.00061	0.00021	< 0.000005	0.00001	0.00012	0.00012	0.00001	0.00003	0.00004	—	0.40327	0.40327	0.00001	0.00006	0.00043	0.42196
Hauling	0.00005	0.00003	0.00152	0.00036	0.00001	0.00002	0.00032	0.00034	0.00002	0.00009	0.00011	—	1.08923	1.08923	0.00002	0.00017	0.00110	1.14236

3.3. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33915	1.12526	9.84218	10.8171	0.02508	0.42379	—	0.42379	0.38989	—	0.38989	—	2,715.99	2,715.99	0.11017	0.02203	—	2,725.31
Dust From Material Movement	—	—	—	—	—	—	0.62039	0.62039	—	0.06699	0.06699	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01101	0.00925	0.08089	0.08891	0.00021	0.00348	—	0.00348	0.00320	—	0.00320	—	22.3232	22.3232	0.00091	0.00018	—	22.3998
Dust From Material Movement	—	—	—	—	—	—	0.00510	0.00510	—	0.00055	0.00055	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00201	0.00169	0.01476	0.01623	0.00004	0.00064	—	0.00064	0.00058	—	0.00058	—	3.69585	3.69585	0.00015	0.00003	—	3.70854
Dust From Material Movement	—	—	—	—	—	—	0.00093	0.00093	—	0.00010	0.00010	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03181	0.02903	0.02429	0.28574	0.00000	0.00000	0.05718	0.05718	0.00000	0.01340	0.01340	—	53.6702	53.6702	0.00182	0.00245	0.00582	54.4502
Vendor	0.00509	0.00312	0.12548	0.04317	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	88.9600	88.9600	0.00188	0.01335	0.00571	92.9914
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00026	0.00024	0.00018	0.00243	0.00000	0.00000	0.00046	0.00046	0.00000	0.00011	0.00011	—	0.45457	0.45457	0.00001	0.00002	0.00079	0.46166
Vendor	0.00004	0.00003	0.00101	0.00035	0.00001	0.00001	0.00019	0.00021	0.00001	0.00005	0.00006	—	0.73074	0.73074	0.00002	0.00011	0.00078	0.76461
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00005	0.00004	0.00003	0.00044	0.00000	0.00000	0.00008	0.00008	0.00000	0.00002	0.00002	—	0.07526	0.07526	< 0.000005	< 0.000005	0.00013	0.07643
Vendor	0.00001	< 0.000005	0.00018	0.00006	< 0.000005	< 0.000005	0.00004	0.00004	< 0.000005	0.00001	0.00001	—	0.12098	0.12098	< 0.000005	0.00002	0.00013	0.12659
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69573	1.42488	12.8567	14.0337	0.02266	0.57894	—	0.57894	0.53263	—	0.53263	—	2,455.05	2,455.05	0.09959	0.01992	—	2,463.47
Dust From Material Movement	—	—	—	—	—	—	2.77581	2.77581	—	1.33771	1.33771	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.09292	0.07808	0.70448	0.76897	0.00124	0.03172	—	0.03172	0.02918	—	0.02918	—	134.523	134.523	0.00546	0.00109	—	134.985
Dust From Material Movement	—	—	—	—	—	—	0.15210	0.15210	—	0.07330	0.07330	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01696	0.01425	0.12857	0.14034	0.00023	0.00579	—	0.00579	0.00533	—	0.00533	—	22.2719	22.2719	0.00090	0.00018	—	22.3483
Dust From Material Movement	—	—	—	—	—	—	0.02776	0.02776	—	0.01338	0.01338	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04241	0.03871	0.03239	0.38098	0.00000	0.00000	0.07624	0.07624	0.00000	0.01787	0.01787	—	71.5603	71.5603	0.00243	0.00326	0.00776	72.6003
Vendor	0.00509	0.00312	0.12548	0.04317	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	88.9600	88.9600	0.00188	0.01335	0.00571	92.9914
Hauling	0.17086	0.09783	5.52396	1.29108	0.02894	0.08267	1.15875	1.24142	0.08267	0.31725	0.39992	—	4,289.63	4,289.63	0.09645	0.67930	0.26088	4,494.73
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00232	0.00213	0.00161	0.02164	0.00000	0.00000	0.00410	0.00410	0.00000	0.00096	0.00096	—	4.04062	4.04062	0.00011	0.00018	0.00706	4.10364
Vendor	0.00028	0.00018	0.00670	0.00231	0.00003	0.00007	0.00130	0.00137	0.00007	0.00036	0.00043	—	4.87158	4.87158	0.00010	0.00073	0.00520	5.09737
Hauling	0.00959	0.00551	0.29785	0.06999	0.00159	0.00453	0.06259	0.06712	0.00453	0.01716	0.02169	—	234.965	234.965	0.00529	0.03722	0.23753	246.426
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00042	0.00039	0.00029	0.00395	0.00000	0.00000	0.00075	0.00075	0.00000	0.00018	0.00018	—	0.66897	0.66897	0.00002	0.00003	0.00117	0.67940
Vendor	0.00005	0.00003	0.00122	0.00042	0.00001	0.00001	0.00024	0.00025	0.00001	0.00007	0.00008	—	0.80655	0.80655	0.00002	0.00012	0.00086	0.84393
Hauling	0.00175	0.00101	0.05436	0.01277	0.00029	0.00083	0.01142	0.01225	0.00083	0.00313	0.00396	—	38.9011	38.9011	0.00088	0.00616	0.03933	40.7987

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41474	1.17861	10.1079	11.7595	0.02312	0.36038	—	0.36038	0.33155	—	0.33155	—	2,200.95	2,200.95	0.08928	0.01786	—	2,208.50
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04153	0.03460	0.29671	0.34519	0.00068	0.01058	—	0.01058	0.00973	—	0.00973	—	64.6070	64.6070	0.00262	0.00052	—	64.8287
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00758	0.00631	0.05415	0.06300	0.00012	0.00193	—	0.00193	0.00178	—	0.00178	—	10.6964	10.6964	0.00043	0.00009	—	10.7331

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02218	0.02024	0.01694	0.19925	0.00000	0.00000	0.03987	0.03987	0.00000	0.00935	0.00935	—	37.4260	37.4260	0.00127	0.00171	0.00406	37.9700
Vendor	0.00292	0.00179	0.07198	0.02477	0.00036	0.00073	0.01380	0.01453	0.00073	0.00381	0.00454	—	51.0319	51.0319	0.00108	0.00766	0.00328	53.3445
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00065	0.00060	0.00045	0.00606	0.00000	0.00000	0.00115	0.00115	0.00000	0.00027	0.00027	—	1.13209	1.13209	0.00003	0.00005	0.00198	1.14975
Vendor	0.00009	0.00005	0.00206	0.00071	0.00001	0.00002	0.00040	0.00042	0.00002	0.00011	0.00013	—	1.49710	1.49710	0.00003	0.00022	0.00160	1.56649
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00012	0.00011	0.00008	0.00111	0.00000	0.00000	0.00021	0.00021	0.00000	0.00005	0.00005	—	0.18743	0.18743	0.00001	0.00001	0.00033	0.19035
Vendor	0.00002	0.00001	0.00038	0.00013	< 0.000005	< 0.000005	0.00007	0.00008	< 0.000005	0.00002	0.00002	—	0.24786	0.24786	0.00001	0.00004	0.00026	0.25935
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77661	0.64705	5.55960	6.71050	0.01325	0.18448	—	0.18448	0.16972	—	0.16972	—	1,261.96	1,261.96	0.05119	0.01024	—	1,266.29
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14173	0.11809	1.01463	1.22467	0.00242	0.03367	—	0.03367	0.03097	—	0.03097	—	208.931	208.931	0.00848	0.00170	—	209.648
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02299	0.02128	0.01228	0.23623	0.00000	0.00000	0.03987	0.03987	0.00000	0.00935	0.00935	—	41.0368	41.0368	0.00081	0.00159	0.14179	41.6726
Vendor	0.00302	0.00189	0.06502	0.02329	0.00036	0.00073	0.01380	0.01453	0.00073	0.00381	0.00454	—	49.9018	49.9018	0.00108	0.00730	0.11203	52.2151
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01978	0.01921	0.01546	0.18130	0.00000	0.00000	0.03987	0.03987	0.00000	0.00935	0.00935	—	36.6386	36.6386	0.00115	0.00171	0.00368	37.1793
Vendor	0.00292	0.00179	0.06914	0.02420	0.00036	0.00073	0.01380	0.01453	0.00073	0.00381	0.00454	—	49.9563	49.9563	0.00108	0.00730	0.00291	52.1605
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01141	0.01115	0.00795	0.10779	0.00000	0.00000	0.02243	0.02243	0.00000	0.00525	0.00525	—	21.6480	21.6480	0.00060	0.00098	0.03509	21.9894
Vendor	0.00170	0.00105	0.03861	0.01359	0.00021	0.00042	0.00779	0.00820	0.00042	0.00215	0.00257	—	28.6261	28.6261	0.00062	0.00418	0.02775	29.9160
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00208	0.00203	0.00145	0.01967	0.00000	0.00000	0.00409	0.00409	0.00000	0.00096	0.00096	—	3.58408	3.58408	0.00010	0.00016	0.00581	3.64059
Vendor	0.00031	0.00019	0.00705	0.00248	0.00004	0.00008	0.00142	0.00150	0.00008	0.00039	0.00047	—	4.73937	4.73937	0.00010	0.00069	0.00459	4.95293
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79450	0.66668	5.87881	8.18609	0.01181	0.24798	—	0.24798	0.22814	—	0.22814	—	1,243.58	1,243.58	0.05044	0.01009	—	1,247.85
Paving	0.58389	0.58389	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02177	0.01827	0.16106	0.22428	0.00032	0.00679	—	0.00679	0.00625	—	0.00625	—	34.0707	34.0707	0.00138	0.00028	—	34.1876
Paving	0.01600	0.01600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00397	0.00333	0.02939	0.04093	0.00006	0.00124	—	0.00124	0.00114	—	0.00114	—	5.64078	5.64078	0.00023	0.00005	—	5.66014
Paving	0.00292	0.00292	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06362	0.05806	0.04858	0.57147	0.00000	0.00000	0.11435	0.11435	0.00000	0.02680	0.02680	—	107.340	107.340	0.00364	0.00489	0.01163	108.900
Vendor	0.00509	0.00312	0.12548	0.04317	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	88.9600	88.9600	0.00188	0.01335	0.00571	92.9914
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00174	0.00160	0.00121	0.01623	0.00000	0.00000	0.00307	0.00307	0.00000	0.00072	0.00072	—	3.03046	3.03046	0.00008	0.00013	0.00530	3.07773
Vendor	0.00014	0.00009	0.00335	0.00116	0.00002	0.00003	0.00065	0.00068	0.00003	0.00018	0.00021	—	2.43579	2.43579	0.00005	0.00037	0.00260	2.54869
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00032	0.00029	0.00022	0.00296	0.00000	0.00000	0.00056	0.00056	0.00000	0.00013	0.00013	—	0.50173	0.50173	0.00001	0.00002	0.00088	0.50955
Vendor	0.00003	0.00002	0.00061	0.00021	< 0.000005	0.00001	0.00012	0.00012	0.00001	0.00003	0.00004	—	0.40327	0.40327	0.00001	0.00006	0.00043	0.42196
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.13. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13715	0.11335	0.83116	1.12539	0.00173	0.01905	—	0.01905	0.01752	—	0.01752	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	4.86834	4.86834	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00752	0.00621	0.04554	0.06167	0.00009	0.00104	—	0.00104	0.00096	—	0.00096	—	7.31577	7.31577	0.00030	0.00006	—	7.34087

Architectural Coatings	0.26676	0.26676	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00137	0.00113	0.00831	0.01125	0.00002	0.00019	—	0.00019	0.00018	—	0.00018	—	1.21121	1.21121	0.00005	0.00001	—	1.21537
Architectural Coatings	0.04868	0.04868	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00757	0.00734	0.00591	0.06933	0.00000	0.00000	0.01525	0.01525	0.00000	0.00357	0.00357	—	14.0109	14.0109	0.00044	0.00065	0.00141	14.2177
Vendor	0.00509	0.00312	0.12053	0.04219	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	87.0850	87.0850	0.00188	0.01272	0.00507	90.9273
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00042	0.00041	0.00029	0.00394	0.00000	0.00000	0.00082	0.00082	0.00000	0.00019	0.00019	—	0.79111	0.79111	0.00002	0.00004	0.00128	0.80359
Vendor	0.00028	0.00018	0.00643	0.00226	0.00003	0.00007	0.00130	0.00137	0.00007	0.00036	0.00043	—	4.76876	4.76876	0.00010	0.00070	0.00462	4.98364
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00008	0.00007	0.00005	0.00072	0.00000	0.00000	0.00015	0.00015	0.00000	0.00004	0.00004	—	0.13098	0.13098	< 0.000005	0.00001	0.00021	0.13304

Vendor	0.00005	0.00003	0.00117	0.00041	0.00001	0.00001	0.00024	0.00025	0.00001	0.00007	0.00008	—	0.78952	0.78952	0.00002	0.00012	0.00077	0.82510
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	11.8960	11.3884	6.50202	54.0430	0.10232	0.09176	8.60924	8.70101	0.08634	2.19077	2.27710	—	10,443.9	10,443.9	0.62592	0.59507	34.6457	10,671.5
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Fast Food Restaurant with Drive Thru	18.8814	17.8956	12.5523	107.816	0.22448	0.19546	19.2325	19.4279	0.18407	4.89402	5.07809	—	22,910.6	22,910.6	1.09537	1.16944	77.3962	23,363.9
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	30.7774	29.2840	19.0543	161.859	0.32680	0.28722	27.8417	28.1289	0.27041	7.08478	7.35519	—	33,354.4	33,354.4	1.72130	1.76452	112.042	34,035.3

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	10.6400	10.0698	7.43554	52.0323	0.09459	0.09189	8.60924	8.70114	0.08646	2.19077	2.27722	—	9,662.52	9,662.52	0.76109	0.64491	0.89835	9,874.63
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Fast Food Restaurant with Drive Thru	16.9995	15.9255	14.3675	97.5753	0.20710	0.19565	19.2325	19.4281	0.18425	4.89402	5.07827	—	21,152.6	21,152.6	1.29458	1.26376	2.00684	21,563.6
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	27.6395	25.9953	21.8030	149.608	0.30170	0.28754	27.8417	28.1292	0.27071	7.08478	7.35549	—	30,815.1	30,815.1	2.05567	1.90867	2.90519	31,438.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	1.96294	1.86497	1.27711	9.08722	0.01762	0.01676	1.54199	1.55875	0.01577	0.39252	0.40828	—	1,632.04	1,632.04	0.11484	0.10248	2.47676	1,667.93
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Fast Food Restaurant with Drive Thru	2.48449	2.33610	1.96115	13.8546	0.03061	0.02831	2.73237	2.76068	0.02666	0.69553	0.72219	—	2,835.99	2,835.99	0.15680	0.15975	4.38875	2,891.90
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	4.44744	4.20108	3.23825	22.9419	0.04823	0.04506	4.27437	4.31943	0.04242	1.08805	1.13047	—	4,468.02	4,468.02	0.27164	0.26223	6.86551	4,559.83

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	326.772	326.772	0.12729	0.18184	—	384.142
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	41.8749	41.8749	0.01631	0.02330	—	49.2267
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	386.585	386.585	0.15059	0.21512	—	454.457

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	141.954	141.954	0.05529	0.07899	—	166.876
Total	—	—	—	—	—	—	—	—	—	—	—	—	897.186	897.186	0.34948	0.49926	—	1,054.70
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	326.772	326.772	0.12729	0.18184	—	384.142
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	41.8749	41.8749	0.01631	0.02330	—	49.2267
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	386.585	386.585	0.15059	0.21512	—	454.457
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	141.954	141.954	0.05529	0.07899	—	166.876
Total	—	—	—	—	—	—	—	—	—	—	—	—	897.186	897.186	0.34948	0.49926	—	1,054.70
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	54.1008	54.1008	0.02107	0.03011	—	63.5991

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	6.93287	6.93287	0.00270	0.00386	—	8.15005
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	64.0036	64.0036	0.02493	0.03562	—	75.2405
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	23.5021	23.5021	0.00915	0.01308	—	27.6282
Total	—	—	—	—	—	—	—	—	—	—	—	—	148.539	148.539	0.05786	0.08266	—	174.618

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.00338	0.00169	0.03073	0.02582	0.00018	0.00234	—	0.00234	0.00234	—	0.00234	—	36.6701	36.6701	0.00325	0.00007	—	36.7718
Automobile Care Center	0.00272	0.00136	0.02473	0.02077	0.00015	0.00188	—	0.00188	0.00188	—	0.00188	—	29.5094	29.5094	0.00261	0.00006	—	29.5913

Fast Food Restaurant with Drive Thru	0.02013	0.01007	0.18302	0.15374	0.00110	0.01391	—	0.01391	0.01391	—	0.01391	—	218.374	218.374	0.01933	0.00041	—	218.980
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02623	0.01312	0.23849	0.20033	0.00143	0.01812	—	0.01812	0.01812	—	0.01812	—	284.553	284.553	0.02518	0.00054	—	285.343
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.00338	0.00169	0.03073	0.02582	0.00018	0.00234	—	0.00234	0.00234	—	0.00234	—	36.6701	36.6701	0.00325	0.00007	—	36.7718
Automobile Care Center	0.00272	0.00136	0.02473	0.02077	0.00015	0.00188	—	0.00188	0.00188	—	0.00188	—	29.5094	29.5094	0.00261	0.00006	—	29.5913
Fast Food Restaurant with Drive Thru	0.02013	0.01007	0.18302	0.15374	0.00110	0.01391	—	0.01391	0.01391	—	0.01391	—	218.374	218.374	0.01933	0.00041	—	218.980
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02623	0.01312	0.23849	0.20033	0.00143	0.01812	—	0.01812	0.01812	—	0.01812	—	284.553	284.553	0.02518	0.00054	—	285.343
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience	0.00062	0.00031	0.00561	0.00471	0.00003	0.00043	—	0.00043	0.00043	—	0.00043	—	6.07115	6.07115	0.00054	0.00001	—	6.08798
Automobile Care Center	0.00050	0.00025	0.00451	0.00379	0.00003	0.00034	—	0.00034	0.00034	—	0.00034	—	4.88562	4.88562	0.00043	0.00001	—	4.89917
Fast Food Restaurant with Drive Thru	0.00367	0.00184	0.03340	0.02806	0.00020	0.00254	—	0.00254	0.00254	—	0.00254	—	36.1543	36.1543	0.00320	0.00007	—	36.2546
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00479	0.00239	0.04352	0.03656	0.00026	0.00331	—	0.00331	0.00331	—	0.00331	—	47.1110	47.1110	0.00417	0.00009	—	47.2417

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.30878	0.30878	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02668	0.02668	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	0.10834	0.09999	0.00512	0.60888	0.00004	0.00108	—	0.00108	0.00082	—	0.00082	—	2.50385	2.50385	0.00011	0.00002	—	2.51288
Total	0.44380	0.43544	0.00512	0.60888	0.00004	0.00108	—	0.00108	0.00082	—	0.00082	—	2.50385	2.50385	0.00011	0.00002	—	2.51288
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.30878	0.30878	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02668	0.02668	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.33545	0.33545	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.05635	0.05635	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00487	0.00487	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.00975	0.00900	0.00046	0.05480	< 0.000005	0.00010	—	0.00010	0.00007	—	0.00007	—	0.20443	0.20443	0.00001	< 0.000005	—	0.20517
Total	0.07097	0.07022	0.00046	0.05480	< 0.000005	0.00010	—	0.00010	0.00007	—	0.00007	—	0.20443	0.20443	0.00001	< 0.000005	—	0.20517

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.56776	1.61238	2.18014	0.05885	0.00228	—	4.33086
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.45070	1.27995	1.73065	0.04671	0.00181	—	3.43795
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	4.36232	12.3885	16.7508	0.45213	0.01752	—	33.2755
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.58432	0.58432	0.00023	0.00033	—	0.68691
Total	—	—	—	—	—	—	—	—	—	—	—	5.38078	15.8651	21.2459	0.55792	0.02194	—	41.7312
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.56776	1.61238	2.18014	0.05885	0.00228	—	4.33086
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.45070	1.27995	1.73065	0.04671	0.00181	—	3.43795

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	4.36232	12.3885	16.7508	0.45213	0.01752	—	33.2755
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.58432	0.58432	0.00023	0.00033	—	0.68691
Total	—	—	—	—	—	—	—	—	—	—	—	5.38078	15.8651	21.2459	0.55792	0.02194	—	41.7312
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.09400	0.26695	0.36095	0.00974	0.00038	—	0.71702
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.07462	0.21191	0.28653	0.00773	0.00030	—	0.56919
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.72223	2.05106	2.77329	0.07486	0.00290	—	5.50914
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.09674	0.09674	0.00004	0.00005	—	0.11373
Total	—	—	—	—	—	—	—	—	—	—	—	0.89085	2.62665	3.51750	0.09237	0.00363	—	6.90908

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	6.47857	0.00000	6.47857	0.64751	0.00000	—	22.6663
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	5.14687	0.00000	5.14687	0.51441	0.00000	—	18.0071
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	46.5599	0.00000	46.5599	4.65350	0.00000	—	162.897
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	58.1854	0.00000	58.1854	5.81542	0.00000	—	203.571
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	6.47857	0.00000	6.47857	0.64751	0.00000	—	22.6663

Automobile	—	—	—	—	—	—	—	—	—	—	—	5.14687	0.00000	5.14687	0.51441	0.00000	—	18.0071
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	46.5599	0.00000	46.5599	4.65350	0.00000	—	162.897
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	58.1854	0.00000	58.1854	5.81542	0.00000	—	203.571
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.07260	0.00000	1.07260	0.10720	0.00000	—	3.75267
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.85212	0.00000	0.85212	0.08517	0.00000	—	2.98129
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.70853	0.00000	7.70853	0.77044	0.00000	—	26.9695
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	9.63325	0.00000	9.63325	0.96281	0.00000	—	33.7035

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	829.277	829.277
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00390	0.00390
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.7244	11.7244
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	841.005	841.005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	829.277	829.277
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00390	0.00390

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.7244	11.7244
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	841.005	841.005
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	137.296	137.296
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00065	0.00065
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.94111	1.94111
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	139.238	139.238

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	11/2/2026	11/13/2026	5.00000	10.00000	—
Site Preparation	Site Preparation	11/14/2026	11/18/2026	5.00000	3.00000	—
Grading	Grading	11/19/2026	12/16/2026	5.00000	20.0000	—
Building Construction	Building Construction	12/17/2026	10/20/2027	5.00000	220.000	—
Paving	Paving	12/17/2026	12/30/2026	5.00000	10.00000	—
Architectural Coating	Architectural Coating	10/01/2027	10/28/2027	5.00000	20.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Demolition	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Site Preparation	Scrapers	Diesel	Average	1.000000	8.00000	423.000	0.48000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	7.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	2.00000	7.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	3.00000	8.00000	46.0000	0.45000
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	10.7900	LDA,LDT1,LDT2
Demolition	Vendor	4.00000	7.17000	HHDT,MHDT
Demolition	Hauling	3.50000	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	7.50000	10.7900	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00000	7.17000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	10.7900	LDA,LDT1,LDT2
Grading	Vendor	4.00000	7.17000	HHDT,MHDT
Grading	Hauling	62.5000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	5.23000	10.7900	LDA,LDT1,LDT2
Building Construction	Vendor	2.29460	7.17000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	10.7900	LDA,LDT1,LDT2
Paving	Vendor	4.00000	7.17000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	2.00000	10.7900	LDA,LDT1,LDT2
Architectural Coating	Vendor	4.00000	7.17000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00000	0.00000	21,000.0	7,000.00	7,000.80

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	3,000.00	0.00000
Site Preparation	0.00000	0.00000	4.50000	0.00000	0.00000
Grading	5,000.00	5,000.00	20.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	2.67860

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Convenience Market with Gas Pumps	0.00000	0%
Paving	Automobile Care Center	0.00000	0%
Paving	Fast Food Restaurant with Drive Thru	0.00000	0%
Paving	Other Non-Asphalt Surfaces	0.45000	0%
Paving	Parking Lot	2.22860	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	609.277	0.23733	0.33904
2027	0.00000	609.277	0.23733	0.33904

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market with Gas Pumps	3,050.00	3,050.00	3,050.00	1,113,250	12,073.2	12,073.2	12,073.2	4,406,730
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Fast Food Restaurant with Drive Thru	3,470.00	4,580.90	3,504.35	1,326,267	20,430.2	26,970.8	20,632.4	7,808,601
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Convenience Market with Gas Pumps	Wood Fireplaces	0	0
Convenience Market with Gas Pumps	Gas Fireplaces	0	0
Convenience Market with Gas Pumps	Propane Fireplaces	0	0
Convenience Market with Gas Pumps	Electric Fireplaces	0	0
Convenience Market with Gas Pumps	No Fireplaces	0	0
Convenience Market with Gas Pumps	Conventional Wood Stoves	0	0
Convenience Market with Gas Pumps	Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Non-Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Pellet Wood Stoves	0	0
Automobile Care Center	Wood Fireplaces	0	0
Automobile Care Center	Gas Fireplaces	0	0
Automobile Care Center	Propane Fireplaces	0	0
Automobile Care Center	Electric Fireplaces	0	0
Automobile Care Center	No Fireplaces	0	0
Automobile Care Center	Conventional Wood Stoves	0	0
Automobile Care Center	Catalytic Wood Stoves	0	0
Automobile Care Center	Non-Catalytic Wood Stoves	0	0
Automobile Care Center	Pellet Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Wood Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Gas Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Propane Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Electric Fireplaces	0	0
Fast Food Restaurant with Drive Thru	No Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Conventional Wood Stoves	0	0

Fast Food Restaurant with Drive Thru	Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Non-Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	21,000.0	7,000.00	7,000.80

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Convenience Market with Gas Pumps	195,760	609.277	0.2373	0.3390	114,420
Automobile Care Center	25,086.1	609.277	0.2373	0.3390	92,077.4
Fast Food Restaurant with Drive Thru	231,592	609.277	0.2373	0.3390	681,385
Other Non-Asphalt Surfaces	0.00000	609.277	0.2373	0.3390	0.00000
Parking Lot	85,040.3	609.277	0.2373	0.3390	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Convenience Market with Gas Pumps	296,290	0.00000
Automobile Care Center	235,203	0.00000
Fast Food Restaurant with Drive Thru	2,276,503	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000
Parking Lot	0.00000	201,094

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Convenience Market with Gas Pumps	12.0210	0.00000
Automobile Care Center	9.55000	0.00000
Fast Food Restaurant with Drive Thru	86.3919	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000
Parking Lot	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

8.1. Justifications

Screen	Justification

Construction: Construction Phases	Construction phase durations were reviewed and adjusted in CalEEMod to reflect the anticipated construction schedule. Default durations were retained for Building Construction (the longest modeled phase). Demolition duration was reduced, and grading and architectural coating durations were increased relative to CalEEMod defaults to align with project-specific schedule assumptions.
Construction: Trips and VMT	Demolition of a small non-residential building demolition input (3,000 building square feet) was included. Additional vendor trips were added to the demolition, site preparation, grading, paving, and architectural coating phases to account for delivery of materials, as the default for these phases is zero vendor trips. Default vendor trips retained in the building construction phase.
Operations: Vehicle Data	Trip generation assumptions are based on the project-specific traffic memorandum prepared by Fehr & Peers (July 29, 2025). Internal capture reductions were applied directly to total trip generation, while pass-by reductions were applied to the trip type percentages. Reductions consistent with the project-specific assumptions documented in the traffic report.

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	11/30/2026	11/13/2026
Demolition	Demolition	Work Days per Phase	20.0000	10.00000
Site Preparation	Site Preparation	Start Date	12/1/2026	11/14/2026
Site Preparation	Site Preparation	End Date	12/5/2026	11/18/2026
Grading	Grading	Start Date	12/6/2026	11/19/2026
Grading	Grading	End Date	12/14/2026	12/16/2026
Grading	Grading	Work Days per Phase	6.00000	20.0000
Building Construction	Building Construction	Start Date	12/15/2026	12/17/2026
Building Construction	Building Construction	End Date	10/19/2027	10/20/2027
Paving	Paving	Start Date	10/20/2027	12/17/2026
Paving	Paving	End Date	11/3/2027	12/30/2026
Architectural Coating	Architectural Coating	Start Date	11/4/2027	10/01/2027

Architectural Coating	Architectural Coating	End Date	11/18/2027	10/28/2027
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	20.0000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Architectural Coating	Worker	One-Way Trips per Day	1.04600	2.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Convenience Market with Gas Pumps	Weekday Trip Rate	size/day	624.200	762.500
Convenience Market with Gas Pumps	Saturday Trip Rate	size/day	624.200	762.500
Convenience Market with Gas Pumps	Sunday Trip Rate	size/day	624.200	762.500
Convenience Market with Gas Pumps	Weekday Primary Trip	%	14.2400	60.0000
Convenience Market with Gas Pumps	Weekday Divert Trip	%	21.2600	0.00000
Convenience Market with Gas Pumps	Weekday Pass-By Trip	%	64.5000	40.0000
Convenience Market with Gas Pumps	Saturday Primary Trip	%	100.0000	60.0000
Convenience Market with Gas Pumps	Saturday Pass-By Trip	%	0.00000	40.0000
Convenience Market with Gas Pumps	Sunday Primary Trip	%	100.0000	60.0000

Convenience Market with Gas Pumps	Sunday Pass-By Trip	%	0.00000	40.0000
Automobile Care Center	Weekday Trip Rate	size/day	23.7200	0.00000
Automobile Care Center	Saturday Trip Rate	size/day	23.7200	0.00000
Automobile Care Center	Sunday Trip Rate	size/day	11.8800	0.00000
Automobile Care Center	Weekday Primary Trip	%	53.3000	100.0000
Automobile Care Center	Weekday Divert Trip	%	11.2000	0.00000
Automobile Care Center	Weekday Pass-By Trip	%	35.5000	0.00000
Fast Food Restaurant with Drive Thru	Weekday Trip Rate	size/day	470.950	462.667
Fast Food Restaurant with Drive Thru	Saturday Trip Rate	size/day	616.120	610.787
Fast Food Restaurant with Drive Thru	Sunday Trip Rate	size/day	472.580	467.247
Fast Food Restaurant with Drive Thru	Weekday Primary Trip	%	26.5000	90.0000
Fast Food Restaurant with Drive Thru	Weekday Divert Trip	%	24.0000	0.00000
Fast Food Restaurant with Drive Thru	Weekday Pass-By Trip	%	49.5000	10.00000
Fast Food Restaurant with Drive Thru	Saturday Primary Trip	%	100.0000	90.0000
Fast Food Restaurant with Drive Thru	Saturday Pass-By Trip	%	0.00000	10.00000
Fast Food Restaurant with Drive Thru	Sunday Primary Trip	%	100.0000	90.0000
Fast Food Restaurant with Drive Thru	Sunday Pass-By Trip	%	0.00000	10.00000

Keyes-Central Commercial Development - Localized Analysis Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Keyes-Central Commercial Development - Localized Analysis
Construction Start Date	11/2/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.10000
Precipitation (days)	29.2000
Location	37.552236, -120.956503
County	Stanislaus
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2260
EDFZ	14
Electric Utility	Turlock Irrigation District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.37

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Convenience Market with Gas Pumps	4.00000	1000sqft	0.09183	4,000.00	0.00000	0.00000	—	Gasoline Service Station
Automobile Care Center	2.50000	1000sqft	0.05739	2,500.00	0.00000	0.00000	—	Automated Car Wash 2,500 SF (assumed)
Fast Food Restaurant with Drive Thru	7.50000	1000sqft	0.17218	7,500.00	0.00000	0.00000	—	Fast Food Restaurant (Drive-Through)
Other Non-Asphalt Surfaces	0.45000	Acre	0.45000	0.00000	0.00000	0.00000	—	—
Parking Lot	2.22860	Acre	2.22860	0.00000	14,560.0	0.00000	—	Remaining area to equal 3-acre area assumed to be parking lot

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.37553	1.14860	9.72663	11.7686	0.02314	0.32179	0.00281	0.32460	0.29605	0.00070	0.29675	—	2,209.44	2,209.44	0.09049	0.01914	0.01438	2,217.42
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.86946	2.50137	16.0844	20.2646	0.03499	0.60850	2.80999	3.39108	0.55983	1.34693	1.88171	—	3,471.11	3,471.11	0.14574	0.05694	0.00728	3,484.43
2027	6.38829	6.13649	10.6106	12.9665	0.02491	0.34092	0.00519	0.34612	0.31366	0.00133	0.31499	—	2,354.01	2,354.01	0.09740	0.02208	0.00079	2,363.03

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.23826	0.20243	1.66656	1.88919	0.00323	0.06663	0.16488	0.23151	0.06131	0.07528	0.13659	—	338.081	338.081	0.01443	0.00493	0.00790	339.919
2027	1.06238	0.93094	5.62593	6.81626	0.01337	0.18556	0.00171	0.18727	0.17071	0.00043	0.17114	—	1,274.72	1,274.72	0.05237	0.01120	0.00394	1,279.37
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.04348	0.03694	0.30415	0.34478	0.00059	0.01216	0.03009	0.04225	0.01119	0.01374	0.02493	—	55.9731	55.9731	0.00239	0.00082	0.00131	56.2775
2027	0.19388	0.16990	1.02673	1.24397	0.00244	0.03386	0.00031	0.03418	0.03116	0.00008	0.03123	—	211.044	211.044	0.00867	0.00185	0.00065	211.814

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	26.7334	26.1309	7.94598	55.6375	0.04455	0.05748	2.72074	2.77823	0.05356	0.69234	0.74589	—	4,555.47	4,555.47	1.10233	0.66560	10.9489	4,792.33
Area	0.44380	0.43544	0.00512	0.60888	0.00004	0.00108	—	0.00108	0.00082	—	0.00082	—	2.50385	2.50385	0.00011	0.00002	—	2.51288
Energy	0.02623	0.01312	0.23849	0.20033	0.00143	0.01812	—	0.01812	0.01812	—	0.01812	—	1,181.74	1,181.74	0.37466	0.49979	—	1,340.04
Water	—	—	—	—	—	—	—	—	—	—	—	5.38078	15.8651	21.2459	0.55792	0.02194	—	41.7312
Waste	—	—	—	—	—	—	—	—	—	—	—	58.1854	0.00000	58.1854	5.81542	0.00000	—	203.571
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	841.005	841.005
Total	27.2034	26.5795	8.18959	56.4467	0.04602	0.07669	2.72074	2.79743	0.07250	0.69234	0.76484	63.5662	5,755.58	5,819.15	7.85044	1.18735	851.954	7,221.19
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	23.5779	22.8010	9.04800	72.1703	0.04248	0.05780	2.72074	2.77854	0.05386	0.69234	0.74620	—	4,345.99	4,345.99	1.45191	0.73213	0.28390	4,600.75
Area	0.33545	0.33545	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02623	0.01312	0.23849	0.20033	0.00143	0.01812	—	0.01812	0.01812	—	0.01812	—	1,181.74	1,181.74	0.37466	0.49979	—	1,340.04
Water	—	—	—	—	—	—	—	—	—	—	—	5.38078	15.8651	21.2459	0.55792	0.02194	—	41.7312
Waste	—	—	—	—	—	—	—	—	—	—	—	58.1854	0.00000	58.1854	5.81542	0.00000	—	203.571
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	841.005	841.005

Total	23.9396	23.1495	9.28649	72.3706	0.04391	0.07593	2.72074	2.79667	0.07198	0.69234	0.76432	63.5662	5,543.60	5,607.16	8.19991	1.25386	841.289	7,027.10
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	20.9329	20.3288	7.39075	54.3932	0.03756	0.05047	2.33872	2.38918	0.04702	0.59532	0.64234	—	3,842.70	3,842.70	1.12194	0.60622	4.14078	4,055.54
Area	0.38888	0.38476	0.00253	0.30027	0.00002	0.00053	—	0.00053	0.00040	—	0.00040	—	1.23478	1.23478	0.00005	0.00001	—	1.23923
Energy	0.02623	0.01312	0.23849	0.20033	0.00143	0.01812	—	0.01812	0.01812	—	0.01812	—	1,181.74	1,181.74	0.37466	0.49979	—	1,340.04
Water	—	—	—	—	—	—	—	—	—	—	—	5.38078	15.8651	21.2459	0.55792	0.02194	—	41.7312
Waste	—	—	—	—	—	—	—	—	—	—	—	58.1854	0.00000	58.1854	5.81542	0.00000	—	203.571
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	841.005	841.005
Total	21.3480	20.7266	7.63176	54.8938	0.03901	0.06912	2.33872	2.40784	0.06555	0.59532	0.66087	63.5662	5,041.53	5,105.10	7.86999	1.12796	845.146	6,483.13
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.82025	3.71000	1.34881	9.92675	0.00686	0.00921	0.42682	0.43603	0.00858	0.10865	0.11723	—	636.202	636.202	0.18575	0.10037	0.68555	671.441
Area	0.07097	0.07022	0.00046	0.05480	< 0.000005	0.00010	—	0.00010	0.00007	—	0.00007	—	0.20443	0.20443	0.00001	< 0.000005	—	0.20517
Energy	0.00479	0.00239	0.04352	0.03656	0.00026	0.00331	—	0.00331	0.00331	—	0.00331	—	195.650	195.650	0.06203	0.08275	—	221.860
Water	—	—	—	—	—	—	—	—	—	—	—	0.89085	2.62665	3.51750	0.09237	0.00363	—	6.90908
Waste	—	—	—	—	—	—	—	—	—	—	—	9.63325	0.00000	9.63325	0.96281	0.00000	—	33.7035
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	139.238	139.238
Total	3.89601	3.78261	1.39280	10.0181	0.00712	0.01262	0.42682	0.43943	0.01196	0.10865	0.12061	10.5241	834.684	845.208	1.30297	0.18675	139.924	1,073.36

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	—	0.50831	0.46764	—	0.46764	—	2,493.95	2,493.95	0.10117	0.02023	—	2,502.51
Demolition	—	—	—	—	—	—	0.19442	0.19442	—	0.02944	0.02944	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04546	0.03812	0.35456	0.40045	0.00066	0.01393	—	0.01393	0.01281	—	0.01281	—	68.3273	68.3273	0.00277	0.00055	—	68.5618
Demolition	—	—	—	—	—	—	0.00533	0.00533	—	0.00081	0.00081	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00830	0.00696	0.06471	0.07308	0.00012	0.00254	—	0.00254	0.00234	—	0.00234	—	11.3124	11.3124	0.00046	0.00009	—	11.3512
Demolition	—	—	—	—	—	—	0.00097	0.00097	—	0.00015	0.00015	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04451	0.04271	0.01213	0.16714	0.00000	0.00000	0.00442	0.00442	0.00000	0.00104	0.00104	—	6.33609	6.33609	0.00303	0.00124	0.00045	6.78187
Vendor	0.00273	0.00194	0.04960	0.03082	0.00004	0.00009	0.00168	0.00177	0.00009	0.00046	0.00055	—	10.3797	10.3797	0.00071	0.00159	0.00040	10.8708
Hauling	0.00355	0.00247	0.06258	0.04070	0.00012	0.00012	0.00162	0.00174	0.00012	0.00044	0.00056	—	12.0760	12.0760	0.00089	0.00193	0.00037	12.6734
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00122	0.00118	0.00031	0.00389	0.00000	0.00000	0.00012	0.00012	0.00000	0.00003	0.00003	—	0.17572	0.17572	0.00007	0.00003	0.00020	0.18775
Vendor	0.00008	0.00006	0.00132	0.00082	< 0.000005	< 0.000005	0.00005	0.00005	< 0.000005	0.00001	0.00001	—	0.28291	0.28291	0.00002	0.00004	0.00018	0.29653
Hauling	0.00010	0.00007	0.00166	0.00109	< 0.000005	< 0.000005	0.00004	0.00005	< 0.000005	0.00001	0.00002	—	0.32851	0.32851	0.00002	0.00005	0.00017	0.34503
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00022	0.00021	0.00006	0.00071	0.00000	0.00000	0.00002	0.00002	0.00000	0.00001	0.00001	—	0.02909	0.02909	0.00001	0.00001	0.00003	0.03108
Vendor	0.00001	0.00001	0.00024	0.00015	< 0.000005	< 0.000005	0.00001	0.00001	< 0.000005	< 0.000005	< 0.000005	—	0.04684	0.04684	< 0.000005	0.00001	0.00003	0.04909
Hauling	0.00002	0.00001	0.00030	0.00020	< 0.000005	< 0.000005	0.00001	0.00001	< 0.000005	< 0.000005	< 0.000005	—	0.05439	0.05439	< 0.000005	0.00001	0.00003	0.05712

3.3. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33915	1.12526	9.84218	10.8171	0.02508	0.42379	—	0.42379	0.38989	—	0.38989	—	2,715.99	2,715.99	0.11017	0.02203	—	2,725.31

Dust From Material Movement	—	—	—	—	—	—	0.62039	0.62039	—	0.06699	0.06699	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01101	0.00925	0.08089	0.08891	0.00021	0.00348	—	0.00348	0.00320	—	0.00320	—	22.3232	22.3232	0.00091	0.00018	—	22.3998
Dust From Material Movement	—	—	—	—	—	—	0.00510	0.00510	—	0.00055	0.00055	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00201	0.00169	0.01476	0.01623	0.00004	0.00064	—	0.00064	0.00058	—	0.00058	—	3.69585	3.69585	0.00015	0.00003	—	3.70854
Dust From Material Movement	—	—	—	—	—	—	0.00093	0.00093	—	0.00010	0.00010	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02670	0.02563	0.00728	0.10028	0.00000	0.00000	0.00265	0.00265	0.00000	0.00062	0.00062	—	3.80165	3.80165	0.00182	0.00074	0.00027	4.06912

Vendor	0.00273	0.00194	0.04960	0.03082	0.00004	0.00009	0.00168	0.00177	0.00009	0.00046	0.00055	—	10.3797	10.3797	0.00071	0.00159	0.00040	10.8708
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00022	0.00021	0.00006	0.00070	0.00000	0.00000	0.00002	0.00002	0.00000	0.00001	0.00001	—	0.03163	0.03163	0.00001	0.00001	0.00004	0.03379
Vendor	0.00002	0.00002	0.00040	0.00025	< 0.000005	< 0.000005	0.00001	0.00001	< 0.000005	< 0.000005	< 0.000005	—	0.08487	0.08487	0.00001	0.00001	0.00005	0.08896
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00004	0.00004	0.00001	0.00013	0.00000	0.00000	< 0.000005	< 0.000005	0.00000	< 0.000005	< 0.000005	—	0.00524	0.00524	< 0.000005	< 0.000005	0.00001	0.00560
Vendor	< 0.000005	< 0.000005	0.00007	0.00004	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	—	0.01405	0.01405	< 0.000005	< 0.000005	0.00001	0.01473
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69573	1.42488	12.8567	14.0337	0.02266	0.57894	—	0.57894	0.53263	—	0.53263	—	2,455.05	2,455.05	0.09959	0.01992	—	2,463.47
Dust From Material Movement	—	—	—	—	—	—	2.77581	2.77581	—	1.33771	1.33771	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09292	0.07808	0.70448	0.76897	0.00124	0.03172	—	0.03172	0.02918	—	0.02918	—	134.523	134.523	0.00546	0.00109	—	134.985
Dust From Material Movement	—	—	—	—	—	—	0.15210	0.15210	—	0.07330	0.07330	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01696	0.01425	0.12857	0.14034	0.00023	0.00579	—	0.00579	0.00533	—	0.00533	—	22.2719	22.2719	0.00090	0.00018	—	22.3483
Dust From Material Movement	—	—	—	—	—	—	0.02776	0.02776	—	0.01338	0.01338	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03560	0.03417	0.00970	0.13371	0.00000	0.00000	0.00353	0.00353	0.00000	0.00083	0.00083	—	5.06887	5.06887	0.00243	0.00099	0.00036	5.42549
Vendor	0.00273	0.00194	0.04960	0.03082	0.00004	0.00009	0.00168	0.00177	0.00009	0.00046	0.00055	—	10.3797	10.3797	0.00071	0.00159	0.00040	10.8708
Hauling	0.06338	0.04409	1.11747	0.72684	0.00207	0.00207	0.02897	0.03104	0.00207	0.00793	0.01000	—	215.643	215.643	0.01585	0.03445	0.00652	226.311

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00195	0.00188	0.00049	0.00622	0.00000	0.00000	0.00019	0.00019	0.00000	0.00004	0.00004	—	0.28115	0.28115	0.00011	0.00005	0.00033	0.30040
Vendor	0.00015	0.00011	0.00264	0.00164	< 0.000005	< 0.000005	0.00009	0.00010	< 0.000005	0.00003	0.00003	—	0.56581	0.56581	0.00004	0.00009	0.00036	0.59306
Hauling	0.00370	0.00257	0.05934	0.03907	0.00011	0.00011	0.00156	0.00168	0.00011	0.00043	0.00054	—	11.7323	11.7323	0.00087	0.00189	0.00594	12.3225
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00036	0.00034	0.00009	0.00114	0.00000	0.00000	0.00003	0.00003	0.00000	0.00001	0.00001	—	0.04655	0.04655	0.00002	0.00001	0.00005	0.04973
Vendor	0.00003	0.00002	0.00048	0.00030	< 0.000005	< 0.000005	0.00002	0.00002	< 0.000005	< 0.000005	0.00001	—	0.09368	0.09368	0.00001	0.00001	0.00006	0.09819
Hauling	0.00068	0.00047	0.01083	0.00713	0.00002	0.00002	0.00029	0.00031	0.00002	0.00008	0.00010	—	1.94242	1.94242	0.00014	0.00031	0.00098	2.04012

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41474	1.17861	10.1079	11.7595	0.02312	0.36038	—	0.36038	0.33155	—	0.33155	—	2,200.95	2,200.95	0.08928	0.01786	—	2,208.50
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04153	0.03460	0.29671	0.34519	0.00068	0.01058	—	0.01058	0.00973	—	0.00973	—	64.6070	64.6070	0.00262	0.00052	—	64.8287

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00758	0.00631	0.05415	0.06300	0.00012	0.00193	—	0.00193	0.00178	—	0.00178	—	10.6964	10.6964	0.00043	0.00009	—	10.7331
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01862	0.01787	0.00507	0.06993	0.00000	0.00000	0.00185	0.00185	0.00000	0.00043	0.00043	—	2.65102	2.65102	0.00127	0.00052	0.00019	2.83753
Vendor	0.00157	0.00111	0.02846	0.01768	0.00003	0.00005	0.00096	0.00101	0.00005	0.00027	0.00032	—	5.95432	5.95432	0.00040	0.00091	0.00023	6.23602
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00055	0.00053	0.00014	0.00174	0.00000	0.00000	0.00005	0.00005	0.00000	0.00001	0.00001	—	0.07877	0.07877	0.00003	0.00002	0.00009	0.08416
Vendor	0.00005	0.00003	0.00081	0.00050	< 0.000005	< 0.000005	0.00003	0.00003	< 0.000005	0.00001	0.00001	—	0.17388	0.17388	0.00001	0.00003	0.00011	0.18226
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00010	0.00010	0.00003	0.00032	0.00000	0.00000	0.00001	0.00001	0.00000	< 0.000005	< 0.000005	—	0.01304	0.01304	0.00001	< 0.000005	0.00002	0.01393
Vendor	0.00001	0.00001	0.00015	0.00009	< 0.000005	< 0.000005	0.00001	0.00001	< 0.000005	< 0.000005	< 0.000005	—	0.02879	0.02879	< 0.000005	< 0.000005	0.00002	0.03017
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35443	1.12848	9.69609	11.7033	0.02312	0.32173	—	0.32173	0.29600	—	0.29600	—	2,200.89	2,200.89	0.08928	0.01786	—	2,208.44
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77661	0.64705	5.55960	6.71050	0.01325	0.18448	—	0.18448	0.16972	—	0.16972	—	1,261.96	1,261.96	0.05119	0.01024	—	1,266.29
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14173	0.11809	1.01463	1.22467	0.00242	0.03367	—	0.03367	0.03097	—	0.03097	—	208.931	208.931	0.00848	0.00170	—	209.648
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01943	0.01891	0.00398	0.04877	0.00000	0.00000	0.00185	0.00185	0.00000	0.00043	0.00043	—	2.76061	2.76061	0.00081	0.00040	0.00657	2.90762
Vendor	0.00167	0.00121	0.02656	0.01654	0.00003	0.00005	0.00096	0.00101	0.00005	0.00027	0.00032	—	5.78789	5.78789	0.00040	0.00089	0.00781	6.06963
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01741	0.01683	0.00479	0.06503	0.00000	0.00000	0.00185	0.00185	0.00000	0.00043	0.00043	—	2.59210	2.59210	0.00115	0.00052	0.00017	2.77571
Vendor	0.00157	0.00111	0.02797	0.01745	0.00003	0.00005	0.00096	0.00101	0.00005	0.00027	0.00032	—	5.84237	5.84237	0.00040	0.00089	0.00020	6.11651
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01005	0.00978	0.00251	0.03160	0.00000	0.00000	0.00104	0.00104	0.00000	0.00024	0.00024	—	1.50515	1.50515	0.00060	0.00030	0.00163	1.61031
Vendor	0.00093	0.00067	0.01559	0.00972	0.00001	0.00003	0.00054	0.00057	0.00003	0.00015	0.00018	—	3.33180	3.33180	0.00023	0.00051	0.00193	3.49081
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00183	0.00179	0.00046	0.00577	0.00000	0.00000	0.00019	0.00019	0.00000	0.00004	0.00004	—	0.24919	0.24919	0.00010	0.00005	0.00027	0.26660
Vendor	0.00017	0.00012	0.00285	0.00177	< 0.000005	0.00001	0.00010	0.00010	0.00001	0.00003	0.00003	—	0.55162	0.55162	0.00004	0.00008	0.00032	0.57794
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79450	0.66668	5.87881	8.18609	0.01181	0.24798	—	0.24798	0.22814	—	0.22814	—	1,243.58	1,243.58	0.05044	0.01009	—	1,247.85
Paving	0.58389	0.58389	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02177	0.01827	0.16106	0.22428	0.00032	0.00679	—	0.00679	0.00625	—	0.00625	—	34.0707	34.0707	0.00138	0.00028	—	34.1876
Paving	0.01600	0.01600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00397	0.00333	0.02939	0.04093	0.00006	0.00124	—	0.00124	0.00114	—	0.00114	—	5.64078	5.64078	0.00023	0.00005	—	5.66014
Paving	0.00292	0.00292	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05341	0.05126	0.01455	0.20057	0.00000	0.00000	0.00530	0.00530	0.00000	0.00124	0.00124	—	7.60330	7.60330	0.00364	0.00149	0.00054	8.13824

Vendor	0.00273	0.00194	0.04960	0.03082	0.00004	0.00009	0.00168	0.00177	0.00009	0.00046	0.00055	—	10.3797	10.3797	0.00071	0.00159	0.00040	10.8708
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00146	0.00141	0.00037	0.00467	0.00000	0.00000	0.00014	0.00014	0.00000	0.00003	0.00003	—	0.21086	0.21086	0.00008	0.00004	0.00025	0.22530
Vendor	0.00008	0.00006	0.00132	0.00082	< 0.000005	< 0.000005	0.00005	0.00005	< 0.000005	0.00001	0.00001	—	0.28291	0.28291	0.00002	0.00004	0.00018	0.29653
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00027	0.00026	0.00007	0.00085	0.00000	0.00000	0.00003	0.00003	0.00000	0.00001	0.00001	—	0.03491	0.03491	0.00001	0.00001	0.00004	0.03730
Vendor	0.00001	0.00001	0.00024	0.00015	< 0.000005	< 0.000005	0.00001	0.00001	< 0.000005	< 0.000005	< 0.000005	—	0.04684	0.04684	< 0.000005	0.00001	0.00003	0.04909
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.13. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13715	0.11335	0.83116	1.12539	0.00173	0.01905	—	0.01905	0.01752	—	0.01752	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	4.86834	4.86834	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00752	0.00621	0.04554	0.06167	0.00009	0.00104	—	0.00104	0.00096	—	0.00096	—	7.31577	7.31577	0.00030	0.00006	—	7.34087
Architectural Coatings	0.26676	0.26676	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00137	0.00113	0.00831	0.01125	0.00002	0.00019	—	0.00019	0.00018	—	0.00018	—	1.21121	1.21121	0.00005	0.00001	—	1.21537
Architectural Coatings	0.04868	0.04868	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00666	0.00644	0.00183	0.02487	0.00000	0.00000	0.00071	0.00071	0.00000	0.00017	0.00017	—	0.99124	0.99124	0.00044	0.00020	0.00007	1.06146
Vendor	0.00273	0.00194	0.04877	0.03042	0.00004	0.00009	0.00168	0.00177	0.00009	0.00046	0.00055	—	10.1846	10.1846	0.00071	0.00154	0.00035	10.6624
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00037	0.00036	0.00009	0.00115	0.00000	0.00000	0.00004	0.00004	0.00000	0.00001	0.00001	—	0.05500	0.05500	0.00002	0.00001	0.00006	0.05885
Vendor	0.00015	0.00011	0.00260	0.00162	< 0.000005	< 0.000005	0.00009	0.00010	< 0.000005	0.00003	0.00003	—	0.55504	0.55504	0.00004	0.00008	0.00032	0.58153
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00007	0.00007	0.00002	0.00021	0.00000	0.00000	0.00001	0.00001	0.00000	< 0.000005	< 0.000005	—	0.00911	0.00911	< 0.000005	< 0.000005	0.00001	0.00974
Vendor	0.00003	0.00002	0.00047	0.00030	< 0.000005	< 0.000005	0.00002	0.00002	< 0.000005	< 0.000005	0.00001	—	0.09189	0.09189	0.00001	0.00001	0.00005	0.09628
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	10.6851	10.4443	3.17593	22.2378	0.01781	0.02298	1.08746	1.11043	0.02141	0.27672	0.29813	—	1,820.78	1,820.78	0.44059	0.26603	4.37619	1,915.45
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Fast Food Restaurant with Drive Thru	16.0483	15.6866	4.77005	33.3997	0.02674	0.03451	1.63329	1.66779	0.03215	0.41562	0.44777	—	2,734.69	2,734.69	0.66174	0.39956	6.57275	2,876.88
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	26.7334	26.1309	7.94598	55.6375	0.04455	0.05748	2.72074	2.77823	0.05356	0.69234	0.74589	—	4,555.47	4,555.47	1.10233	0.66560	10.9489	4,792.33
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	9.42388	9.11334	3.61640	28.8458	0.01698	0.02310	1.08746	1.11056	0.02153	0.27672	0.29825	—	1,737.05	1,737.05	0.58032	0.29263	0.11347	1,838.88
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Fast Food Restaurant with Drive Thru	14.1540	13.6876	5.43160	43.3245	0.02550	0.03470	1.63329	1.66799	0.03233	0.41562	0.44795	—	2,608.94	2,608.94	0.87160	0.43951	0.17043	2,761.87
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	23.5779	22.8010	9.04800	72.1703	0.04248	0.05780	2.72074	2.77854	0.05386	0.69234	0.74620	—	4,345.99	4,345.99	1.45191	0.73213	0.28390	4,600.75
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience	1.74333	1.69302	0.61552	4.52998	0.00313	0.00420	0.19477	0.19898	0.00392	0.04958	0.05350	—	290.325	290.325	0.08477	0.04580	0.31285	306.405
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Fast Food Restaurant with Drive Thru	2.07691	2.01698	0.73329	5.39677	0.00373	0.00501	0.23204	0.23705	0.00467	0.05907	0.06373	—	345.877	345.877	0.10098	0.05457	0.37271	365.035
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.82025	3.71000	1.34881	9.92675	0.00686	0.00921	0.42682	0.43603	0.00858	0.10865	0.11723	—	636.202	636.202	0.18575	0.10037	0.68555	671.441

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	326.772	326.772	0.12729	0.18184	—	384.142
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	41.8749	41.8749	0.01631	0.02330	—	49.2267

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	386.585	386.585	0.15059	0.21512	—	454.457
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	141.954	141.954	0.05529	0.07899	—	166.876
Total	—	—	—	—	—	—	—	—	—	—	—	—	897.186	897.186	0.34948	0.49926	—	1,054.70
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	326.772	326.772	0.12729	0.18184	—	384.142
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	41.8749	41.8749	0.01631	0.02330	—	49.2267
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	386.585	386.585	0.15059	0.21512	—	454.457
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	141.954	141.954	0.05529	0.07899	—	166.876
Total	—	—	—	—	—	—	—	—	—	—	—	—	897.186	897.186	0.34948	0.49926	—	1,054.70
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience	—	—	—	—	—	—	—	—	—	—	—	—	54.1008	54.1008	0.02107	0.03011	—	63.5991
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	6.93287	6.93287	0.00270	0.00386	—	8.15005
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	64.0036	64.0036	0.02493	0.03562	—	75.2405
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	23.5021	23.5021	0.00915	0.01308	—	27.6282
Total	—	—	—	—	—	—	—	—	—	—	—	—	148.539	148.539	0.05786	0.08266	—	174.618

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.00338	0.00169	0.03073	0.02582	0.00018	0.00234	—	0.00234	0.00234	—	0.00234	—	36.6701	36.6701	0.00325	0.00007	—	36.7718
Automobile Care Center	0.00272	0.00136	0.02473	0.02077	0.00015	0.00188	—	0.00188	0.00188	—	0.00188	—	29.5094	29.5094	0.00261	0.00006	—	29.5913

Fast Food Restaurant with Drive Thru	0.02013	0.01007	0.18302	0.15374	0.00110	0.01391	—	0.01391	0.01391	—	0.01391	—	218.374	218.374	0.01933	0.00041	—	218.980
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02623	0.01312	0.23849	0.20033	0.00143	0.01812	—	0.01812	0.01812	—	0.01812	—	284.553	284.553	0.02518	0.00054	—	285.343
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.00338	0.00169	0.03073	0.02582	0.00018	0.00234	—	0.00234	0.00234	—	0.00234	—	36.6701	36.6701	0.00325	0.00007	—	36.7718
Automobile Care Center	0.00272	0.00136	0.02473	0.02077	0.00015	0.00188	—	0.00188	0.00188	—	0.00188	—	29.5094	29.5094	0.00261	0.00006	—	29.5913
Fast Food Restaurant with Drive Thru	0.02013	0.01007	0.18302	0.15374	0.00110	0.01391	—	0.01391	0.01391	—	0.01391	—	218.374	218.374	0.01933	0.00041	—	218.980
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02623	0.01312	0.23849	0.20033	0.00143	0.01812	—	0.01812	0.01812	—	0.01812	—	284.553	284.553	0.02518	0.00054	—	285.343
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience	0.00062	0.00031	0.00561	0.00471	0.00003	0.00043	—	0.00043	0.00043	—	0.00043	—	6.07115	6.07115	0.00054	0.00001	—	6.08798
Automobile Care Center	0.00050	0.00025	0.00451	0.00379	0.00003	0.00034	—	0.00034	0.00034	—	0.00034	—	4.88562	4.88562	0.00043	0.00001	—	4.89917
Fast Food Restaurant with Drive Thru	0.00367	0.00184	0.03340	0.02806	0.00020	0.00254	—	0.00254	0.00254	—	0.00254	—	36.1543	36.1543	0.00320	0.00007	—	36.2546
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00479	0.00239	0.04352	0.03656	0.00026	0.00331	—	0.00331	0.00331	—	0.00331	—	47.1110	47.1110	0.00417	0.00009	—	47.2417

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.30878	0.30878	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02668	0.02668	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	0.10834	0.09999	0.00512	0.60888	0.00004	0.00108	—	0.00108	0.00082	—	0.00082	—	2.50385	2.50385	0.00011	0.00002	—	2.51288
Total	0.44380	0.43544	0.00512	0.60888	0.00004	0.00108	—	0.00108	0.00082	—	0.00082	—	2.50385	2.50385	0.00011	0.00002	—	2.51288
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.30878	0.30878	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02668	0.02668	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.33545	0.33545	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.05635	0.05635	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00487	0.00487	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.00975	0.00900	0.00046	0.05480	< 0.000005	0.00010	—	0.00010	0.00007	—	0.00007	—	0.20443	0.20443	0.00001	< 0.000005	—	0.20517
Total	0.07097	0.07022	0.00046	0.05480	< 0.000005	0.00010	—	0.00010	0.00007	—	0.00007	—	0.20443	0.20443	0.00001	< 0.000005	—	0.20517

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.56776	1.61238	2.18014	0.05885	0.00228	—	4.33086
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.45070	1.27995	1.73065	0.04671	0.00181	—	3.43795
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	4.36232	12.3885	16.7508	0.45213	0.01752	—	33.2755
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.58432	0.58432	0.00023	0.00033	—	0.68691
Total	—	—	—	—	—	—	—	—	—	—	—	5.38078	15.8651	21.2459	0.55792	0.02194	—	41.7312
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.56776	1.61238	2.18014	0.05885	0.00228	—	4.33086
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.45070	1.27995	1.73065	0.04671	0.00181	—	3.43795

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	4.36232	12.3885	16.7508	0.45213	0.01752	—	33.2755
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.58432	0.58432	0.00023	0.00033	—	0.68691
Total	—	—	—	—	—	—	—	—	—	—	—	5.38078	15.8651	21.2459	0.55792	0.02194	—	41.7312
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.09400	0.26695	0.36095	0.00974	0.00038	—	0.71702
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.07462	0.21191	0.28653	0.00773	0.00030	—	0.56919
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.72223	2.05106	2.77329	0.07486	0.00290	—	5.50914
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.09674	0.09674	0.00004	0.00005	—	0.11373
Total	—	—	—	—	—	—	—	—	—	—	—	0.89085	2.62665	3.51750	0.09237	0.00363	—	6.90908

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	6.47857	0.00000	6.47857	0.64751	0.00000	—	22.6663
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	5.14687	0.00000	5.14687	0.51441	0.00000	—	18.0071
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	46.5599	0.00000	46.5599	4.65350	0.00000	—	162.897
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	58.1854	0.00000	58.1854	5.81542	0.00000	—	203.571
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	6.47857	0.00000	6.47857	0.64751	0.00000	—	22.6663

Automobile	—	—	—	—	—	—	—	—	—	—	—	5.14687	0.00000	5.14687	0.51441	0.00000	—	18.0071
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	46.5599	0.00000	46.5599	4.65350	0.00000	—	162.897
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	58.1854	0.00000	58.1854	5.81542	0.00000	—	203.571
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.07260	0.00000	1.07260	0.10720	0.00000	—	3.75267
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.85212	0.00000	0.85212	0.08517	0.00000	—	2.98129
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.70853	0.00000	7.70853	0.77044	0.00000	—	26.9695
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	9.63325	0.00000	9.63325	0.96281	0.00000	—	33.7035

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	829.277	829.277
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00390	0.00390
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.7244	11.7244
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	841.005	841.005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	829.277	829.277
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00390	0.00390

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.7244	11.7244
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	841.005	841.005
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	137.296	137.296
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00065	0.00065
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.94111	1.94111
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	139.238	139.238

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	11/2/2026	11/13/2026	5.00000	10.00000	—
Site Preparation	Site Preparation	11/14/2026	11/18/2026	5.00000	3.00000	—
Grading	Grading	11/19/2026	12/16/2026	5.00000	20.0000	—
Building Construction	Building Construction	12/17/2026	10/20/2027	5.00000	220.000	—
Paving	Paving	12/17/2026	12/30/2026	5.00000	10.00000	—
Architectural Coating	Architectural Coating	10/01/2027	10/28/2027	5.00000	20.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Demolition	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Site Preparation	Scrapers	Diesel	Average	1.000000	8.00000	423.000	0.48000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	7.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	2.00000	7.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	3.00000	8.00000	46.0000	0.45000
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	0.50000	LDA,LDT1,LDT2
Demolition	Vendor	4.00000	0.50000	HHDT,MHDT
Demolition	Hauling	3.50000	0.50000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	7.50000	0.50000	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00000	0.50000	HHDT,MHDT
Site Preparation	Hauling	0.00000	0.50000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	0.50000	LDA,LDT1,LDT2
Grading	Vendor	4.00000	0.50000	HHDT,MHDT
Grading	Hauling	62.5000	0.50000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	5.23000	0.50000	LDA,LDT1,LDT2
Building Construction	Vendor	2.29460	0.50000	HHDT,MHDT
Building Construction	Hauling	0.00000	0.50000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	0.50000	LDA,LDT1,LDT2
Paving	Vendor	4.00000	0.50000	HHDT,MHDT
Paving	Hauling	0.00000	0.50000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	2.00000	0.50000	LDA,LDT1,LDT2
Architectural Coating	Vendor	4.00000	0.50000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	0.50000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00000	0.00000	21,000.0	7,000.00	7,000.80

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	3,000.00	0.00000
Site Preparation	0.00000	0.00000	4.50000	0.00000	0.00000
Grading	5,000.00	5,000.00	20.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	2.67860

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Convenience Market with Gas Pumps	0.00000	0%
Paving	Automobile Care Center	0.00000	0%
Paving	Fast Food Restaurant with Drive Thru	0.00000	0%
Paving	Other Non-Asphalt Surfaces	0.45000	0%
Paving	Parking Lot	2.22860	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	609.277	0.23733	0.33904
2027	0.00000	609.277	0.23733	0.33904

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market with Gas Pumps	3,050.00	3,050.00	3,050.00	1,113,250	1,525.00	1,525.00	1,525.00	556,625
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Fast Food Restaurant with Drive Thru	3,470.00	4,580.90	3,504.35	1,326,267	1,735.00	2,290.45	1,752.18	663,133
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Convenience Market with Gas Pumps	Wood Fireplaces	0	0
Convenience Market with Gas Pumps	Gas Fireplaces	0	0
Convenience Market with Gas Pumps	Propane Fireplaces	0	0
Convenience Market with Gas Pumps	Electric Fireplaces	0	0
Convenience Market with Gas Pumps	No Fireplaces	0	0
Convenience Market with Gas Pumps	Conventional Wood Stoves	0	0
Convenience Market with Gas Pumps	Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Non-Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Pellet Wood Stoves	0	0
Automobile Care Center	Wood Fireplaces	0	0
Automobile Care Center	Gas Fireplaces	0	0
Automobile Care Center	Propane Fireplaces	0	0
Automobile Care Center	Electric Fireplaces	0	0
Automobile Care Center	No Fireplaces	0	0
Automobile Care Center	Conventional Wood Stoves	0	0
Automobile Care Center	Catalytic Wood Stoves	0	0
Automobile Care Center	Non-Catalytic Wood Stoves	0	0
Automobile Care Center	Pellet Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Wood Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Gas Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Propane Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Electric Fireplaces	0	0
Fast Food Restaurant with Drive Thru	No Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Conventional Wood Stoves	0	0

Fast Food Restaurant with Drive Thru	Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Non-Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	21,000.0	7,000.00	7,000.80

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Convenience Market with Gas Pumps	195,760	609.277	0.2373	0.3390	114,420
Automobile Care Center	25,086.1	609.277	0.2373	0.3390	92,077.4
Fast Food Restaurant with Drive Thru	231,592	609.277	0.2373	0.3390	681,385
Other Non-Asphalt Surfaces	0.00000	609.277	0.2373	0.3390	0.00000
Parking Lot	85,040.3	609.277	0.2373	0.3390	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Convenience Market with Gas Pumps	296,290	0.00000
Automobile Care Center	235,203	0.00000
Fast Food Restaurant with Drive Thru	2,276,503	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000
Parking Lot	0.00000	201,094

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Convenience Market with Gas Pumps	12.0210	0.00000
Automobile Care Center	9.55000	0.00000
Fast Food Restaurant with Drive Thru	86.3919	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000
Parking Lot	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

8.1. Justifications

Screen	Justification

Construction: Construction Phases	Construction phase durations were reviewed and adjusted in CalEEMod to reflect the anticipated construction schedule. Default durations were retained for Building Construction (the longest modeled phase). Demolition duration was reduced, and grading and architectural coating durations were increased relative to CalEEMod defaults to align with project-specific schedule assumptions.
Construction: Trips and VMT	Localized Analysis Run Only: Construction rip lengths updated to 0.5 mile to account for localized emissions from mobile sources. Regional emissions are estimated in a separate modeling run. Default trip lengths (10.79, 7.17, and 20.00 miles) retained for the modeling run used for regional emissions analysis. Demolition of a small non-residential building demolition input (3,000 building square feet) was included. Additional vendor trips were added to the demolition, site preparation, grading, paving, and architectural coating phases to account for delivery of materials, as the default for these phases is zero vendor trips. Default vendor trips retained in the building construction phase.
Operations: Vehicle Data	Localized Analysis Run Only: Operational trip lengths updated to 0.5 mile to account for localized emissions from mobile sources. Regional emissions are estimated in a separate modeling run. Default trip lengths retained for the modeling run used for regional emissions analysis. Trip generation assumptions are based on the project-specific traffic memorandum prepared by Fehr & Peers (July 29, 2025). Internal capture reductions were applied directly to total trip generation. Reductions consistent with the project-specific assumptions documented in the traffic report. No pass-by trips assumed for localized analysis, as to not further shorten the assumed trip length.

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	11/30/2026	11/13/2026
Demolition	Demolition	Work Days per Phase	20.0000	10.00000
Site Preparation	Site Preparation	Start Date	12/1/2026	11/14/2026
Site Preparation	Site Preparation	End Date	12/5/2026	11/18/2026
Grading	Grading	Start Date	12/6/2026	11/19/2026
Grading	Grading	End Date	12/14/2026	12/16/2026

Grading	Grading	Work Days per Phase	6.00000	20.0000
Building Construction	Building Construction	Start Date	12/15/2026	12/17/2026
Building Construction	Building Construction	End Date	10/19/2027	10/20/2027
Paving	Paving	Start Date	10/20/2027	12/17/2026
Paving	Paving	End Date	11/3/2027	12/30/2026
Architectural Coating	Architectural Coating	Start Date	11/4/2027	10/01/2027
Architectural Coating	Architectural Coating	End Date	11/18/2027	10/28/2027
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	20.0000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Demolition	Worker	Miles per Trip	10.7900	0.50000
Demolition	Vendor	One-Way Trips per Day	—	4.00000
Demolition	Vendor	Miles per Trip	7.17000	0.50000
Demolition	Hauling	Miles per Trip	20.0000	0.50000
Site Preparation	Worker	Miles per Trip	10.7900	0.50000
Site Preparation	Vendor	One-Way Trips per Day	—	4.00000
Site Preparation	Vendor	Miles per Trip	7.17000	0.50000
Site Preparation	Hauling	Miles per Trip	20.0000	0.50000
Grading	Worker	Miles per Trip	10.7900	0.50000
Grading	Vendor	One-Way Trips per Day	—	4.00000
Grading	Vendor	Miles per Trip	7.17000	0.50000
Grading	Hauling	Miles per Trip	20.0000	0.50000
Building Construction	Worker	Miles per Trip	10.7900	0.50000
Building Construction	Vendor	Miles per Trip	7.17000	0.50000
Building Construction	Hauling	Miles per Trip	20.0000	0.50000
Paving	Worker	Miles per Trip	10.7900	0.50000
Paving	Vendor	One-Way Trips per Day	—	4.00000

Paving	Vendor	Miles per Trip	7.17000	0.50000
Paving	Hauling	Miles per Trip	20.0000	0.50000
Architectural Coating	Worker	One-Way Trips per Day	1.04600	2.00000
Architectural Coating	Worker	Miles per Trip	10.7900	0.50000
Architectural Coating	Vendor	One-Way Trips per Day	—	4.00000
Architectural Coating	Vendor	Miles per Trip	7.17000	0.50000
Architectural Coating	Hauling	Miles per Trip	20.0000	0.50000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Convenience Market with Gas Pumps	Weekday Trip Rate	size/day	624.200	762.500
Convenience Market with Gas Pumps	Saturday Trip Rate	size/day	624.200	762.500
Convenience Market with Gas Pumps	Sunday Trip Rate	size/day	624.200	762.500
Convenience Market with Gas Pumps	Non-Res H-W Trip Length	miles	9.88429	0.50000
Convenience Market with Gas Pumps	Non-Res W-O Trip Length	miles	7.80328	0.50000
Convenience Market with Gas Pumps	Non-Res O-O Trip Length	miles	6.18439	0.50000
Convenience Market with Gas Pumps	Weekday Primary Trip	%	14.2400	100.0000
Convenience Market with Gas Pumps	Weekday Divert Trip	%	21.2600	0.00000
Convenience Market with Gas Pumps	Weekday Pass-By Trip	%	64.5000	0.00000

Automobile Care Center	Weekday Trip Rate	size/day	23.7200	0.00000
Automobile Care Center	Saturday Trip Rate	size/day	23.7200	0.00000
Automobile Care Center	Sunday Trip Rate	size/day	11.8800	0.00000
Automobile Care Center	Weekday Primary Trip	%	53.3000	100.0000
Automobile Care Center	Weekday Divert Trip	%	11.2000	0.00000
Automobile Care Center	Weekday Pass-By Trip	%	35.5000	0.00000
Fast Food Restaurant with Drive Thru	Weekday Trip Rate	size/day	470.950	462.667
Fast Food Restaurant with Drive Thru	Saturday Trip Rate	size/day	616.120	610.787
Fast Food Restaurant with Drive Thru	Sunday Trip Rate	size/day	472.580	467.247
Fast Food Restaurant with Drive Thru	Non-Res H-W Trip Length	miles	9.88429	0.50000
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip Length	miles	7.80328	0.50000
Fast Food Restaurant with Drive Thru	Non-Res O-O Trip Length	miles	6.18439	0.50000
Fast Food Restaurant with Drive Thru	Weekday Primary Trip	%	26.5000	100.0000
Fast Food Restaurant with Drive Thru	Weekday Divert Trip	%	24.0000	0.00000
Fast Food Restaurant with Drive Thru	Weekday Pass-By Trip	%	49.5000	0.00000

Keyes-Central Commercial - Mitigated Construction (Tier 4 Equipment) Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Keyes-Central Commercial - Mitigated Construction (Tier 4 Equipment)
Construction Start Date	11/2/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.10000
Precipitation (days)	29.2000
Location	37.552236, -120.956503
County	Stanislaus
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2260
EDFZ	14
Electric Utility	Turlock Irrigation District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.37

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Convenience Market with Gas Pumps	4.00000	1000sqft	0.09183	4,000.00	0.00000	0.00000	—	Gasoline Service Station

Automobile Care Center	2.50000	1000sqft	0.05739	2,500.00	0.00000	0.00000	—	Automated Car Wash 2,500 SF (assumed)
Fast Food Restaurant with Drive Thru	7.50000	1000sqft	0.17218	7,500.00	0.00000	0.00000	—	Fast Food Restaurant (Drive-Through)
Other Non-Asphalt Surfaces	0.45000	Acre	0.45000	0.00000	0.00000	0.00000	—	—
Parking Lot	2.22860	Acre	2.22860	0.00000	14,560.0	0.00000	—	Remaining area to equal 3-acre area assumed to be parking lot

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.80393	0.67520	5.97707	7.07706	0.01543	0.23600	0.05367	0.28967	0.21718	0.01316	0.23033	—	1,670.38	1,670.38	0.06630	0.02224	0.25383	1,678.92
Mit.	0.33081	0.30736	5.25753	9.05517	0.01543	0.06004	0.05367	0.11371	0.05753	0.01316	0.07069	—	1,670.38	1,670.38	0.06630	0.02224	0.25383	1,678.92
% Reduced	59%	54%	12%	-28%	—	75%	—	61%	74%	—	69%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	5.81876	5.66517	18.5385	15.8631	0.05223	0.66288	4.03485	4.69773	0.61656	1.67947	2.29603	—	6,909.40	6,909.40	0.20198	0.71817	0.27435	7,128.74
Mit.	5.34564	5.29732	13.3852	18.2711	0.05223	0.16926	4.03485	4.16497	0.15949	1.67947	1.80959	—	6,909.40	6,909.40	0.20198	0.71817	0.27435	7,128.74
% Reduced	8%	6%	28%	-15%	—	74%	—	11%	74%	—	21%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.73413	0.65961	3.48167	4.09833	0.00898	0.13643	0.24140	0.30966	0.12556	0.09583	0.15902	—	968.832	968.832	0.03859	0.04338	0.27651	973.931
Mit.	0.46285	0.44870	3.06910	5.23254	0.00898	0.03554	0.24140	0.25603	0.03402	0.09583	0.11011	—	968.832	968.832	0.03859	0.04338	0.27651	973.931
% Reduced	37%	32%	12%	-28%	—	74%	—	17%	73%	—	31%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.13398	0.12038	0.63541	0.74794	0.00164	0.02490	0.04405	0.05651	0.02291	0.01749	0.02902	—	160.401	160.401	0.00639	0.00718	0.04578	161.245
Mit.	0.08447	0.08189	0.56011	0.95494	0.00164	0.00649	0.04405	0.04672	0.00621	0.01749	0.02009	—	160.401	160.401	0.00639	0.00718	0.04578	161.245
% Reduced	37%	32%	12%	-28%	—	74%	—	17%	73%	—	31%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.80393	0.67520	5.97707	7.07706	0.01543	0.23600	0.05367	0.28967	0.21718	0.01316	0.23033	—	1,670.38	1,670.38	0.06630	0.02224	0.25383	1,678.92
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.27105	2.00340	18.5385	15.8631	0.05223	0.66288	4.03485	4.69773	0.61656	1.67947	2.29603	—	6,909.40	6,909.40	0.20198	0.71817	0.27435	7,128.74
2027	5.81876	5.66517	6.94196	8.25995	0.01779	0.25631	0.09298	0.34929	0.23597	0.02338	0.25934	—	1,900.64	1,900.64	0.07438	0.03681	0.01307	1,913.49
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	0.22759	0.19136	1.81003	1.82084	0.00458	0.06826	0.24140	0.30966	0.06319	0.09583	0.15902	—	570.897	570.897	0.01862	0.04338	0.27651	584.566
2027	0.73413	0.65961	3.48167	4.09833	0.00898	0.13643	0.03234	0.16877	0.12556	0.00796	0.13351	—	968.832	968.832	0.03859	0.01364	0.06874	973.931
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.04153	0.03492	0.33033	0.33230	0.00084	0.01246	0.04405	0.05651	0.01153	0.01749	0.02902	—	94.5185	94.5185	0.00308	0.00718	0.04578	96.7816
2027	0.13398	0.12038	0.63541	0.74794	0.00164	0.02490	0.00590	0.03080	0.02291	0.00145	0.02437	—	160.401	160.401	0.00639	0.00226	0.01138	161.245

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.33081	0.30736	5.25753	9.05517	0.01543	0.06004	0.05367	0.11371	0.05753	0.01316	0.07069	—	1,670.38	1,670.38	0.06630	0.02224	0.25383	1,678.92
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.49737	1.40490	13.3852	18.2711	0.05223	0.16926	4.03485	4.16497	0.15949	1.67947	1.80959	—	6,909.40	6,909.40	0.20198	0.71817	0.27435	7,128.74
2027	5.34564	5.29732	6.22243	10.2381	0.01779	0.08035	0.09298	0.17333	0.07632	0.02338	0.09970	—	1,900.64	1,900.64	0.07438	0.03681	0.01307	1,913.49
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.08990	0.08163	1.35621	1.93766	0.00458	0.01463	0.24140	0.25603	0.01428	0.09583	0.11011	—	570.897	570.897	0.01862	0.04338	0.27651	584.566
2027	0.46285	0.44870	3.06910	5.23254	0.00898	0.03554	0.03234	0.06788	0.03402	0.00796	0.04197	—	968.832	968.832	0.03859	0.01364	0.06874	973.931
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01641	0.01490	0.24751	0.35362	0.00084	0.00267	0.04405	0.04672	0.00261	0.01749	0.02009	—	94.5185	94.5185	0.00308	0.00718	0.04578	96.7816
2027	0.08447	0.08189	0.56011	0.95494	0.00164	0.00649	0.00590	0.01239	0.00621	0.00145	0.00766	—	160.401	160.401	0.00639	0.00226	0.01138	161.245

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.65937	1.39140	12.9413	14.6164	0.02393	0.50831	—	0.50831	0.46764	—	0.46764	—	2,493.95	2,493.95	0.10117	0.02023	—	2,502.51
Demolition	—	—	—	—	—	—	0.19442	0.19442	—	0.02944	0.02944	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04546	0.03812	0.35456	0.40045	0.00066	0.01393	—	0.01393	0.01281	—	0.01281	—	68.3273	68.3273	0.00277	0.00055	—	68.5618
Demolition	—	—	—	—	—	—	0.00533	0.00533	—	0.00081	0.00081	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00830	0.00696	0.06471	0.07308	0.00012	0.00254	—	0.00254	0.00234	—	0.00234	—	11.3124	11.3124	0.00046	0.00009	—	11.3512
Demolition	—	—	—	—	—	—	0.00097	0.00097	—	0.00015	0.00015	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05301	0.04839	0.04048	0.47623	0.00000	0.00000	0.09529	0.09529	0.00000	0.02234	0.02234	—	89.4503	89.4503	0.00303	0.00408	0.00969	90.7504
Vendor	0.00509	0.00312	0.12548	0.04317	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	88.9600	88.9600	0.00188	0.01335	0.00571	92.9914
Hauling	0.00957	0.00548	0.30934	0.07230	0.00162	0.00463	0.06489	0.06952	0.00463	0.01777	0.02240	—	240.219	240.219	0.00540	0.03804	0.01461	251.705
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00145	0.00133	0.00100	0.01352	0.00000	0.00000	0.00256	0.00256	0.00000	0.00060	0.00060	—	2.52539	2.52539	0.00007	0.00011	0.00442	2.56478
Vendor	0.00014	0.00009	0.00335	0.00116	0.00002	0.00003	0.00065	0.00068	0.00003	0.00018	0.00021	—	2.43579	2.43579	0.00005	0.00037	0.00260	2.54869
Hauling	0.00027	0.00015	0.00834	0.00196	0.00004	0.00013	0.00175	0.00188	0.00013	0.00048	0.00061	—	6.57901	6.57901	0.00015	0.00104	0.00665	6.89994
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00027	0.00024	0.00018	0.00247	0.00000	0.00000	0.00047	0.00047	0.00000	0.00011	0.00011	—	0.41811	0.41811	0.00001	0.00002	0.00073	0.42463
Vendor	0.00003	0.00002	0.00061	0.00021	< 0.000005	0.00001	0.00012	0.00012	0.00001	0.00003	0.00004	—	0.40327	0.40327	0.00001	0.00006	0.00043	0.42196
Hauling	0.00005	0.00003	0.00152	0.00036	0.00001	0.00002	0.00032	0.00034	0.00002	0.00009	0.00011	—	1.08923	1.08923	0.00002	0.00017	0.00110	1.14236

3.2. Demolition (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.49901	0.46220	8.37381	14.6496	0.02393	0.07849	—	0.07849	0.07560	—	0.07560	—	2,493.95	2,493.95	0.10117	0.02023	—	2,502.51
Demolition	—	—	—	—	—	—	0.19442	0.19442	—	0.02944	0.02944	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01367	0.01266	0.22942	0.40136	0.00066	0.00215	—	0.00215	0.00207	—	0.00207	—	68.3273	68.3273	0.00277	0.00055	—	68.5618
Demolition	—	—	—	—	—	—	0.00533	0.00533	—	0.00081	0.00081	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00250	0.00231	0.04187	0.07325	0.00012	0.00039	—	0.00039	0.00038	—	0.00038	—	11.3124	11.3124	0.00046	0.00009	—	11.3512
Demolition	—	—	—	—	—	—	0.00097	0.00097	—	0.00015	0.00015	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05301	0.04839	0.04048	0.47623	0.00000	0.00000	0.09529	0.09529	0.00000	0.02234	0.02234	—	89.4503	89.4503	0.00303	0.00408	0.00969	90.7504
Vendor	0.00509	0.00312	0.12548	0.04317	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	88.9600	88.9600	0.00188	0.01335	0.00571	92.9914
Hauling	0.00957	0.00548	0.30934	0.07230	0.00162	0.00463	0.06489	0.06952	0.00463	0.01777	0.02240	—	240.219	240.219	0.00540	0.03804	0.01461	251.705

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00145	0.00133	0.00100	0.01352	0.00000	0.00000	0.00256	0.00256	0.00000	0.00060	0.00060	—	2.52539	2.52539	0.00007	0.00011	0.00442	2.56478
Vendor	0.00014	0.00009	0.00335	0.00116	0.00002	0.00003	0.00065	0.00068	0.00003	0.00018	0.00021	—	2.43579	2.43579	0.00005	0.00037	0.00260	2.54869
Hauling	0.00027	0.00015	0.00834	0.00196	0.00004	0.00013	0.00175	0.00188	0.00013	0.00048	0.00061	—	6.57901	6.57901	0.00015	0.00104	0.00665	6.89994
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00027	0.00024	0.00018	0.00247	0.00000	0.00000	0.00047	0.00047	0.00000	0.00011	0.00011	—	0.41811	0.41811	0.00001	0.00002	0.00073	0.42463
Vendor	0.00003	0.00002	0.00061	0.00021	< 0.000005	0.00001	0.00012	0.00012	0.00001	0.00003	0.00004	—	0.40327	0.40327	0.00001	0.00006	0.00043	0.42196
Hauling	0.00005	0.00003	0.00152	0.00036	0.00001	0.00002	0.00032	0.00034	0.00002	0.00009	0.00011	—	1.08923	1.08923	0.00002	0.00017	0.00110	1.14236

3.3. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33915	1.12526	9.84218	10.8171	0.02508	0.42379	—	0.42379	0.38989	—	0.38989	—	2,715.99	2,715.99	0.11017	0.02203	—	2,725.31
Dust From Material Movement	—	—	—	—	—	—	0.62039	0.62039	—	0.06699	0.06699	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01101	0.00925	0.08089	0.08891	0.00021	0.00348	—	0.00348	0.00320	—	0.00320	—	22.3232	22.3232	0.00091	0.00018	—	22.3998
Dust From Material Movement	—	—	—	—	—	—	0.00510	0.00510	—	0.00055	0.00055	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.00201	0.00169	0.01476	0.01623	0.00004	0.00064	—	0.00064	0.00058	—	0.00058	—	3.69585	3.69585	0.00015	0.00003	—	3.70854
Dust From Material Movement	—	—	—	—	—	—	0.00093	0.00093	—	0.00010	0.00010	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03181	0.02903	0.02429	0.28574	0.00000	0.00000	0.05718	0.05718	0.00000	0.01340	0.01340	—	53.6702	53.6702	0.00182	0.00245	0.00582	54.4502
Vendor	0.00509	0.00312	0.12548	0.04317	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	88.9600	88.9600	0.00188	0.01335	0.00571	92.9914
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00026	0.00024	0.00018	0.00243	0.00000	0.00000	0.00046	0.00046	0.00000	0.00011	0.00011	—	0.45457	0.45457	0.00001	0.00002	0.00079	0.46166
Vendor	0.00004	0.00003	0.00101	0.00035	0.00001	0.00001	0.00019	0.00021	0.00001	0.00005	0.00006	—	0.73074	0.73074	0.00002	0.00011	0.00078	0.76461
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00005	0.00004	0.00003	0.00044	0.00000	0.00000	0.00008	0.00008	0.00000	0.00002	0.00002	—	0.07526	0.07526	< 0.000005	< 0.000005	0.00013	0.07643
Vendor	0.00001	< 0.000005	0.00018	0.00006	< 0.000005	< 0.000005	0.00004	0.00004	< 0.000005	0.00001	0.00001	—	0.12098	0.12098	< 0.000005	0.00002	0.00013	0.12659
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4. Site Preparation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33885	0.33885	7.95168	15.0451	0.02508	0.05131	—	0.05131	0.05131	—	0.05131	—	2,715.99	2,715.99	0.11017	0.02203	—	2,725.31
Dust From Material Movement	—	—	—	—	—	—	0.62039	0.62039	—	0.06699	0.06699	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00279	0.00279	0.06536	0.12366	0.00021	0.00042	—	0.00042	0.00042	—	0.00042	—	22.3232	22.3232	0.00091	0.00018	—	22.3998

Dust From Material Movement	—	—	—	—	—	—	0.00510	0.00510	—	0.00055	0.00055	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00051	0.00051	0.01193	0.02257	0.00004	0.00008	—	0.00008	0.00008	—	0.00008	—	3.69585	3.69585	0.00015	0.00003	—	3.70854
Dust From Material Movement	—	—	—	—	—	—	0.00093	0.00093	—	0.00010	0.00010	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03181	0.02903	0.02429	0.28574	0.00000	0.00000	0.05718	0.05718	0.00000	0.01340	0.01340	—	53.6702	53.6702	0.00182	0.00245	0.00582	54.4502
Vendor	0.00509	0.00312	0.12548	0.04317	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	88.9600	88.9600	0.00188	0.01335	0.00571	92.9914
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00026	0.00024	0.00018	0.00243	0.00000	0.00000	0.00046	0.00046	0.00000	0.00011	0.00011	—	0.45457	0.45457	0.00001	0.00002	0.00079	0.46166
Vendor	0.00004	0.00003	0.00101	0.00035	0.00001	0.00001	0.00019	0.00021	0.00001	0.00005	0.00006	—	0.73074	0.73074	0.00002	0.00011	0.00078	0.76461
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00005	0.00004	0.00003	0.00044	0.00000	0.00000	0.00008	0.00008	0.00000	0.00002	0.00002	—	0.07526	0.07526	< 0.000005	< 0.000005	0.00013	0.07643

Vendor	0.00001	< 0.000005	0.00018	0.00006	< 0.000005	< 0.000005	0.00004	0.00004	< 0.000005	0.00001	0.00001	—	0.12098	0.12098	< 0.000005	0.00002	0.00013	0.12659
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69573	1.42488	12.8567	14.0337	0.02266	0.57894	—	0.57894	0.53263	—	0.53263	—	2,455.05	2,455.05	0.09959	0.01992	—	2,463.47
Dust From Material Movement	—	—	—	—	—	—	2.77581	2.77581	—	1.33771	1.33771	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09292	0.07808	0.70448	0.76897	0.00124	0.03172	—	0.03172	0.02918	—	0.02918	—	134.523	134.523	0.00546	0.00109	—	134.985
Dust From Material Movement	—	—	—	—	—	—	0.15210	0.15210	—	0.07330	0.07330	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01696	0.01425	0.12857	0.14034	0.00023	0.00579	—	0.00579	0.00533	—	0.00533	—	22.2719	22.2719	0.00090	0.00018	—	22.3483
Dust From Material Movement	—	—	—	—	—	—	0.02776	0.02776	—	0.01338	0.01338	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04241	0.03871	0.03239	0.38098	0.00000	0.00000	0.07624	0.07624	0.00000	0.01787	0.01787	—	71.5603	71.5603	0.00243	0.00326	0.00776	72.6003
Vendor	0.00509	0.00312	0.12548	0.04317	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	88.9600	88.9600	0.00188	0.01335	0.00571	92.9914
Hauling	0.17086	0.09783	5.52396	1.29108	0.02894	0.08267	1.15875	1.24142	0.08267	0.31725	0.39992	—	4,289.63	4,289.63	0.09645	0.67930	0.26088	4,494.73
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00232	0.00213	0.00161	0.02164	0.00000	0.00000	0.00410	0.00410	0.00000	0.00096	0.00096	—	4.04062	4.04062	0.00011	0.00018	0.00706	4.10364
Vendor	0.00028	0.00018	0.00670	0.00231	0.00003	0.00007	0.00130	0.00137	0.00007	0.00036	0.00043	—	4.87158	4.87158	0.00010	0.00073	0.00520	5.09737
Hauling	0.00959	0.00551	0.29785	0.06999	0.00159	0.00453	0.06259	0.06712	0.00453	0.01716	0.02169	—	234.965	234.965	0.00529	0.03722	0.23753	246.426
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00042	0.00039	0.00029	0.00395	0.00000	0.00000	0.00075	0.00075	0.00000	0.00018	0.00018	—	0.66897	0.66897	0.00002	0.00003	0.00117	0.67940
Vendor	0.00005	0.00003	0.00122	0.00042	0.00001	0.00001	0.00024	0.00025	0.00001	0.00007	0.00008	—	0.80655	0.80655	0.00002	0.00012	0.00086	0.84393
Hauling	0.00175	0.00101	0.05436	0.01277	0.00029	0.00083	0.01142	0.01225	0.00083	0.00313	0.00396	—	38.9011	38.9011	0.00088	0.00616	0.03933	40.7987

3.6. Grading (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31771	0.31771	7.70335	14.2408	0.02266	0.04619	—	0.04619	0.04619	—	0.04619	—	2,455.05	2,455.05	0.09959	0.01992	—	2,463.47
Dust From Material Movement	—	—	—	—	—	—	2.77581	2.77581	—	1.33771	1.33771	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01741	0.01741	0.42210	0.78032	0.00124	0.00253	—	0.00253	0.00253	—	0.00253	—	134.523	134.523	0.00546	0.00109	—	134.985
Dust From Material Movement	—	—	—	—	—	—	0.15210	0.15210	—	0.07330	0.07330	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00318	0.00318	0.07703	0.14241	0.00023	0.00046	—	0.00046	0.00046	—	0.00046	—	22.2719	22.2719	0.00090	0.00018	—	22.3483
Dust From Material Movement	—	—	—	—	—	—	0.02776	0.02776	—	0.01338	0.01338	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04241	0.03871	0.03239	0.38098	0.00000	0.00000	0.07624	0.07624	0.00000	0.01787	0.01787	—	71.5603	71.5603	0.00243	0.00326	0.00776	72.6003
Vendor	0.00509	0.00312	0.12548	0.04317	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	88.9600	88.9600	0.00188	0.01335	0.00571	92.9914
Hauling	0.17086	0.09783	5.52396	1.29108	0.02894	0.08267	1.15875	1.24142	0.08267	0.31725	0.39992	—	4,289.63	4,289.63	0.09645	0.67930	0.26088	4,494.73
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00232	0.00213	0.00161	0.02164	0.00000	0.00000	0.00410	0.00410	0.00000	0.00096	0.00096	—	4.04062	4.04062	0.00011	0.00018	0.00706	4.10364
Vendor	0.00028	0.00018	0.00670	0.00231	0.00003	0.00007	0.00130	0.00137	0.00007	0.00036	0.00043	—	4.87158	4.87158	0.00010	0.00073	0.00520	5.09737
Hauling	0.00959	0.00551	0.29785	0.06999	0.00159	0.00453	0.06259	0.06712	0.00453	0.01716	0.02169	—	234.965	234.965	0.00529	0.03722	0.23753	246.426
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00042	0.00039	0.00029	0.00395	0.00000	0.00000	0.00075	0.00075	0.00000	0.00018	0.00018	—	0.66897	0.66897	0.00002	0.00003	0.00117	0.67940
Vendor	0.00005	0.00003	0.00122	0.00042	0.00001	0.00001	0.00024	0.00025	0.00001	0.00007	0.00008	—	0.80655	0.80655	0.00002	0.00012	0.00086	0.84393
Hauling	0.00175	0.00101	0.05436	0.01277	0.00029	0.00083	0.01142	0.01225	0.00083	0.00313	0.00396	—	38.9011	38.9011	0.00088	0.00616	0.03933	40.7987

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79886	0.66961	6.19765	6.83833	0.01507	0.25579	—	0.25579	0.23533	—	0.23533	—	1,578.52	1,578.52	0.06403	0.01281	—	1,583.94
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02345	0.01966	0.18193	0.20073	0.00044	0.00751	—	0.00751	0.00691	—	0.00691	—	46.3362	46.3362	0.00188	0.00038	—	46.4953
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00428	0.00359	0.03320	0.03663	0.00008	0.00137	—	0.00137	0.00126	—	0.00126	—	7.67149	7.67149	0.00031	0.00006	—	7.69782
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02218	0.02024	0.01694	0.19925	0.00000	0.00000	0.03987	0.03987	0.00000	0.00935	0.00935	—	37.4260	37.4260	0.00127	0.00171	0.00406	37.9700
Vendor	0.00292	0.00179	0.07198	0.02477	0.00036	0.00073	0.01380	0.01453	0.00073	0.00381	0.00454	—	51.0319	51.0319	0.00108	0.00766	0.00328	53.3445
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00065	0.00060	0.00045	0.00606	0.00000	0.00000	0.00115	0.00115	0.00000	0.00027	0.00027	—	1.13209	1.13209	0.00003	0.00005	0.00198	1.14975
Vendor	0.00009	0.00005	0.00206	0.00071	0.00001	0.00002	0.00040	0.00042	0.00002	0.00011	0.00013	—	1.49710	1.49710	0.00003	0.00022	0.00160	1.56649
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00012	0.00011	0.00008	0.00111	0.00000	0.00000	0.00021	0.00021	0.00000	0.00005	0.00005	—	0.18743	0.18743	0.00001	0.00001	0.00033	0.19035
Vendor	0.00002	0.00001	0.00038	0.00013	< 0.000005	< 0.000005	0.00007	0.00008	< 0.000005	0.00002	0.00002	—	0.24786	0.24786	0.00001	0.00004	0.00026	0.25935
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30528	0.28458	5.18373	8.79700	0.01507	0.05976	—	0.05976	0.05721	—	0.05721	—	1,578.52	1,578.52	0.06403	0.01281	—	1,583.94
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.00896	0.00835	0.15216	0.25823	0.00044	0.00175	—	0.00175	0.00168	—	0.00168	—	46.3362	46.3362	0.00188	0.00038	—	46.4953
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.00164	0.00152	0.02777	0.04713	0.00008	0.00032	—	0.00032	0.00031	—	0.00031	—	7.67149	7.67149	0.00031	0.00006	—	7.69782
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02218	0.02024	0.01694	0.19925	0.00000	0.00000	0.03987	0.03987	0.00000	0.00935	0.00935	—	37.4260	37.4260	0.00127	0.00171	0.00406	37.9700
Vendor	0.00292	0.00179	0.07198	0.02477	0.00036	0.00073	0.01380	0.01453	0.00073	0.00381	0.00454	—	51.0319	51.0319	0.00108	0.00766	0.00328	53.3445
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00065	0.00060	0.00045	0.00606	0.00000	0.00000	0.00115	0.00115	0.00000	0.00027	0.00027	—	1.13209	1.13209	0.00003	0.00005	0.00198	1.14975
Vendor	0.00009	0.00005	0.00206	0.00071	0.00001	0.00002	0.00040	0.00042	0.00002	0.00011	0.00013	—	1.49710	1.49710	0.00003	0.00022	0.00160	1.56649
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00012	0.00011	0.00008	0.00111	0.00000	0.00000	0.00021	0.00021	0.00000	0.00005	0.00005	—	0.18743	0.18743	0.00001	0.00001	0.00033	0.19035
Vendor	0.00002	0.00001	0.00038	0.00013	< 0.000005	< 0.000005	0.00007	0.00008	< 0.000005	0.00002	0.00002	—	0.24786	0.24786	0.00001	0.00004	0.00026	0.25935
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77792	0.65203	5.89976	6.81754	0.01507	0.23527	—	0.23527	0.21645	—	0.21645	—	1,578.46	1,578.46	0.06403	0.01281	—	1,583.87
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77792	0.65203	5.89976	6.81754	0.01507	0.23527	—	0.23527	0.21645	—	0.21645	—	1,578.46	1,578.46	0.06403	0.01281	—	1,583.87
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44605	0.37386	3.38284	3.90908	0.00864	0.13490	—	0.13490	0.12411	—	0.12411	—	905.064	905.064	0.03671	0.00734	—	908.170
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08140	0.06823	0.61737	0.71341	0.00158	0.02462	—	0.02462	0.02265	—	0.02265	—	149.844	149.844	0.00608	0.00122	—	150.358

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02299	0.02128	0.01228	0.23623	0.00000	0.00000	0.03987	0.03987	0.00000	0.00935	0.00935	—	41.0368	41.0368	0.00081	0.00159	0.14179	41.6726
Vendor	0.00302	0.00189	0.06502	0.02329	0.00036	0.00073	0.01380	0.01453	0.00073	0.00381	0.00454	—	49.9018	49.9018	0.00108	0.00730	0.11203	52.2151
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01978	0.01921	0.01546	0.18130	0.00000	0.00000	0.03987	0.03987	0.00000	0.00935	0.00935	—	36.6386	36.6386	0.00115	0.00171	0.00368	37.1793
Vendor	0.00292	0.00179	0.06914	0.02420	0.00036	0.00073	0.01380	0.01453	0.00073	0.00381	0.00454	—	49.9563	49.9563	0.00108	0.00730	0.00291	52.1605
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01141	0.01115	0.00795	0.10779	0.00000	0.00000	0.02243	0.02243	0.00000	0.00525	0.00525	—	21.6480	21.6480	0.00060	0.00098	0.03509	21.9894
Vendor	0.00170	0.00105	0.03861	0.01359	0.00021	0.00042	0.00779	0.00820	0.00042	0.00215	0.00257	—	28.6261	28.6261	0.00062	0.00418	0.02775	29.9160
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00208	0.00203	0.00145	0.01967	0.00000	0.00000	0.00409	0.00409	0.00000	0.00096	0.00096	—	3.58408	3.58408	0.00010	0.00016	0.00581	3.64059
Vendor	0.00031	0.00019	0.00705	0.00248	0.00004	0.00008	0.00142	0.00150	0.00008	0.00039	0.00047	—	4.73937	4.73937	0.00010	0.00069	0.00459	4.95293
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30480	0.28418	5.18023	8.79564	0.01507	0.05932	—	0.05932	0.05681	—	0.05681	—	1,578.46	1,578.46	0.06403	0.01281	—	1,583.87
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30480	0.28418	5.18023	8.79564	0.01507	0.05932	—	0.05932	0.05681	—	0.05681	—	1,578.46	1,578.46	0.06403	0.01281	—	1,583.87
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17477	0.16295	2.97027	5.04329	0.00864	0.03401	—	0.03401	0.03257	—	0.03257	—	905.064	905.064	0.03671	0.00734	—	908.170
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03190	0.02974	0.54207	0.92040	0.00158	0.00621	—	0.00621	0.00594	—	0.00594	—	149.844	149.844	0.00608	0.00122	—	150.358
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02299	0.02128	0.01228	0.23623	0.00000	0.00000	0.03987	0.03987	0.00000	0.00935	0.00935	—	41.0368	41.0368	0.00081	0.00159	0.14179	41.6726
Vendor	0.00302	0.00189	0.06502	0.02329	0.00036	0.00073	0.01380	0.01453	0.00073	0.00381	0.00454	—	49.9018	49.9018	0.00108	0.00730	0.11203	52.2151
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01978	0.01921	0.01546	0.18130	0.00000	0.00000	0.03987	0.03987	0.00000	0.00935	0.00935	—	36.6386	36.6386	0.00115	0.00171	0.00368	37.1793
Vendor	0.00292	0.00179	0.06914	0.02420	0.00036	0.00073	0.01380	0.01453	0.00073	0.00381	0.00454	—	49.9563	49.9563	0.00108	0.00730	0.00291	52.1605
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01141	0.01115	0.00795	0.10779	0.00000	0.00000	0.02243	0.02243	0.00000	0.00525	0.00525	—	21.6480	21.6480	0.00060	0.00098	0.03509	21.9894
Vendor	0.00170	0.00105	0.03861	0.01359	0.00021	0.00042	0.00779	0.00820	0.00042	0.00215	0.00257	—	28.6261	28.6261	0.00062	0.00418	0.02775	29.9160
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00208	0.00203	0.00145	0.01967	0.00000	0.00000	0.00409	0.00409	0.00000	0.00096	0.00096	—	3.58408	3.58408	0.00010	0.00016	0.00581	3.64059
Vendor	0.00031	0.00019	0.00705	0.00248	0.00004	0.00008	0.00142	0.00150	0.00008	0.00039	0.00047	—	4.73937	4.73937	0.00010	0.00069	0.00459	4.95293
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.79450	0.66668	5.87881	8.18609	0.01181	0.24798	—	0.24798	0.22814	—	0.22814	—	1,243.58	1,243.58	0.05044	0.01009	—	1,247.85
Paving	0.58389	0.58389	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02177	0.01827	0.16106	0.22428	0.00032	0.00679	—	0.00679	0.00625	—	0.00625	—	34.0707	34.0707	0.00138	0.00028	—	34.1876
Paving	0.01600	0.01600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00397	0.00333	0.02939	0.04093	0.00006	0.00124	—	0.00124	0.00114	—	0.00114	—	5.64078	5.64078	0.00023	0.00005	—	5.66014
Paving	0.00292	0.00292	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06362	0.05806	0.04858	0.57147	0.00000	0.00000	0.11435	0.11435	0.00000	0.02680	0.02680	—	107.340	107.340	0.00364	0.00489	0.01163	108.900
Vendor	0.00509	0.00312	0.12548	0.04317	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	88.9600	88.9600	0.00188	0.01335	0.00571	92.9914
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00174	0.00160	0.00121	0.01623	0.00000	0.00000	0.00307	0.00307	0.00000	0.00072	0.00072	—	3.03046	3.03046	0.00008	0.00013	0.00530	3.07773
Vendor	0.00014	0.00009	0.00335	0.00116	0.00002	0.00003	0.00065	0.00068	0.00003	0.00018	0.00021	—	2.43579	2.43579	0.00005	0.00037	0.00260	2.54869
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00032	0.00029	0.00022	0.00296	0.00000	0.00000	0.00056	0.00056	0.00000	0.00013	0.00013	—	0.50173	0.50173	0.00001	0.00002	0.00088	0.50955
Vendor	0.00003	0.00002	0.00061	0.00021	< 0.000005	0.00001	0.00012	0.00012	0.00001	0.00003	0.00004	—	0.40327	0.40327	0.00001	0.00006	0.00043	0.42196
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.12. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51439	0.45321	5.84201	8.63543	0.01181	0.10752	—	0.10752	0.10028	—	0.10028	—	1,243.58	1,243.58	0.05044	0.01009	—	1,247.85
Paving	0.58389	0.58389	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01409	0.01242	0.16006	0.23659	0.00032	0.00295	—	0.00295	0.00275	—	0.00275	—	34.0707	34.0707	0.00138	0.00028	—	34.1876
Paving	0.01600	0.01600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00257	0.00227	0.02921	0.04318	0.00006	0.00054	—	0.00054	0.00050	—	0.00050	—	5.64078	5.64078	0.00023	0.00005	—	5.66014
Paving	0.00292	0.00292	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06362	0.05806	0.04858	0.57147	0.00000	0.00000	0.11435	0.11435	0.00000	0.02680	0.02680	—	107.340	107.340	0.00364	0.00489	0.01163	108.900
Vendor	0.00509	0.00312	0.12548	0.04317	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	88.9600	88.9600	0.00188	0.01335	0.00571	92.9914
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00174	0.00160	0.00121	0.01623	0.00000	0.00000	0.00307	0.00307	0.00000	0.00072	0.00072	—	3.03046	3.03046	0.00008	0.00013	0.00530	3.07773
Vendor	0.00014	0.00009	0.00335	0.00116	0.00002	0.00003	0.00065	0.00068	0.00003	0.00018	0.00021	—	2.43579	2.43579	0.00005	0.00037	0.00260	2.54869
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00032	0.00029	0.00022	0.00296	0.00000	0.00000	0.00056	0.00056	0.00000	0.00013	0.00013	—	0.50173	0.50173	0.00001	0.00002	0.00088	0.50955
Vendor	0.00003	0.00002	0.00061	0.00021	< 0.000005	0.00001	0.00012	0.00012	0.00001	0.00003	0.00004	—	0.40327	0.40327	0.00001	0.00006	0.00043	0.42196
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.13. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13715	0.11335	0.83116	1.12539	0.00173	0.01905	—	0.01905	0.01752	—	0.01752	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	4.86834	4.86834	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00752	0.00621	0.04554	0.06167	0.00009	0.00104	—	0.00104	0.00096	—	0.00096	—	7.31577	7.31577	0.00030	0.00006	—	7.34087
Architectural Coatings	0.26676	0.26676	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00137	0.00113	0.00831	0.01125	0.00002	0.00019	—	0.00019	0.00018	—	0.00018	—	1.21121	1.21121	0.00005	0.00001	—	1.21537

Architectural	0.04868	0.04868	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00757	0.00734	0.00591	0.06933	0.00000	0.00000	0.01525	0.01525	0.00000	0.00357	0.00357	—	14.0109	14.0109	0.00044	0.00065	0.00141	14.2177
Vendor	0.00509	0.00312	0.12053	0.04219	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	87.0850	87.0850	0.00188	0.01272	0.00507	90.9273
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00042	0.00041	0.00029	0.00394	0.00000	0.00000	0.00082	0.00082	0.00000	0.00019	0.00019	—	0.79111	0.79111	0.00002	0.00004	0.00128	0.80359
Vendor	0.00028	0.00018	0.00643	0.00226	0.00003	0.00007	0.00130	0.00137	0.00007	0.00036	0.00043	—	4.76876	4.76876	0.00010	0.00070	0.00462	4.98364
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00008	0.00007	0.00005	0.00072	0.00000	0.00000	0.00015	0.00015	0.00000	0.00004	0.00004	—	0.13098	0.13098	< 0.000005	0.00001	0.00021	0.13304
Vendor	0.00005	0.00003	0.00117	0.00041	0.00001	0.00001	0.00024	0.00025	0.00001	0.00007	0.00008	—	0.78952	0.78952	0.00002	0.00012	0.00077	0.82510
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.14. Architectural Coating (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13715	0.11335	0.83116	1.12539	0.00173	0.01905	—	0.01905	0.01752	—	0.01752	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	4.86834	4.86834	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00752	0.00621	0.04554	0.06167	0.00009	0.00104	—	0.00104	0.00096	—	0.00096	—	7.31577	7.31577	0.00030	0.00006	—	7.34087
Architectural Coatings	0.26676	0.26676	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00137	0.00113	0.00831	0.01125	0.00002	0.00019	—	0.00019	0.00018	—	0.00018	—	1.21121	1.21121	0.00005	0.00001	—	1.21537
Architectural Coatings	0.04868	0.04868	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00757	0.00734	0.00591	0.06933	0.00000	0.00000	0.01525	0.01525	0.00000	0.00357	0.00357	—	14.0109	14.0109	0.00044	0.00065	0.00141	14.2177
Vendor	0.00509	0.00312	0.12053	0.04219	0.00063	0.00126	0.02406	0.02532	0.00126	0.00665	0.00791	—	87.0850	87.0850	0.00188	0.01272	0.00507	90.9273
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00042	0.00041	0.00029	0.00394	0.00000	0.00000	0.00082	0.00082	0.00000	0.00019	0.00019	—	0.79111	0.79111	0.00002	0.00004	0.00128	0.80359
Vendor	0.00028	0.00018	0.00643	0.00226	0.00003	0.00007	0.00130	0.00137	0.00007	0.00036	0.00043	—	4.76876	4.76876	0.00010	0.00070	0.00462	4.98364
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00008	0.00007	0.00005	0.00072	0.00000	0.00000	0.00015	0.00015	0.00000	0.00004	0.00004	—	0.13098	0.13098	< 0.000005	0.00001	0.00021	0.13304
Vendor	0.00005	0.00003	0.00117	0.00041	0.00001	0.00001	0.00024	0.00025	0.00001	0.00007	0.00008	—	0.78952	0.78952	0.00002	0.00012	0.00077	0.82510
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	11/2/2026	11/13/2026	5.00000	10.00000	—
Site Preparation	Site Preparation	11/14/2026	11/18/2026	5.00000	3.00000	—
Grading	Grading	11/19/2026	12/16/2026	5.00000	20.0000	—
Building Construction	Building Construction	12/17/2026	10/20/2027	5.00000	220.000	—
Paving	Paving	12/17/2026	12/30/2026	5.00000	10.00000	—
Architectural Coating	Architectural Coating	10/01/2027	10/28/2027	5.00000	20.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Demolition	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Site Preparation	Scrapers	Diesel	Average	1.000000	8.00000	423.000	0.48000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	7.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000

Grading	Tractors/Loaders/Back	Diesel	Average	2.00000	7.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	2.00000	7.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Electric	Average	3.00000	8.00000	46.0000	0.45000
Paving	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Interim	3.00000	8.00000	84.0000	0.37000
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.000000	8.00000	367.000	0.40000
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Site Preparation	Graders	Diesel	Tier 4 Interim	1.000000	8.00000	148.000	0.41000
Site Preparation	Scrapers	Diesel	Tier 4 Interim	1.000000	8.00000	423.000	0.48000
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Interim	1.000000	7.00000	84.0000	0.37000
Grading	Graders	Diesel	Tier 4 Interim	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Back hoes	Diesel	Tier 4 Interim	2.00000	7.00000	84.0000	0.37000

Building Construction	Cranes	Diesel	Tier 4 Interim	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Tier 4 Interim	2.00000	7.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	1.000000	6.00000	84.0000	0.37000
Building Construction	Welders	Electric	Average	3.00000	8.00000	46.0000	0.45000
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	1.000000	8.00000	84.0000	0.37000
Paving	Pavers	Diesel	Tier 4 Interim	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 4 Interim	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	10.7900	LDA,LDT1,LDT2
Demolition	Vendor	4.00000	7.17000	HHDT,MHDT
Demolition	Hauling	3.50000	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	7.50000	10.7900	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00000	7.17000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	10.7900	LDA,LDT1,LDT2
Grading	Vendor	4.00000	7.17000	HHDT,MHDT

Grading	Hauling	62.5000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	5.23000	10.7900	LDA,LDT1,LDT2
Building Construction	Vendor	2.29460	7.17000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	10.7900	LDA,LDT1,LDT2
Paving	Vendor	4.00000	7.17000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	2.00000	10.7900	LDA,LDT1,LDT2
Architectural Coating	Vendor	4.00000	7.17000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	10.7900	LDA,LDT1,LDT2
Demolition	Vendor	4.00000	7.17000	HHDT,MHDT
Demolition	Hauling	3.50000	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	7.50000	10.7900	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00000	7.17000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	10.00000	10.7900	LDA,LDT1,LDT2
Grading	Vendor	4.00000	7.17000	HHDT,MHDT
Grading	Hauling	62.5000	20.0000	HHDT

Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	5.23000	10.7900	LDA,LDT1,LDT2
Building Construction	Vendor	2.29460	7.17000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	10.7900	LDA,LDT1,LDT2
Paving	Vendor	4.00000	7.17000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	2.00000	10.7900	LDA,LDT1,LDT2
Architectural Coating	Vendor	4.00000	7.17000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00000	0.00000	21,000.0	7,000.00	7,000.80

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	3,000.00	0.00000
Site Preparation	0.00000	0.00000	4.50000	0.00000	0.00000
Grading	5,000.00	5,000.00	20.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	2.67860

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Convenience Market with Gas Pumps	0.00000	0%
Paving	Automobile Care Center	0.00000	0%
Paving	Fast Food Restaurant with Drive Thru	0.00000	0%
Paving	Other Non-Asphalt Surfaces	0.45000	0%
Paving	Parking Lot	2.22860	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	370.464	609.277	0.23733	0.33904
2027	370.464	609.277	0.23733	0.33904

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Construction phase durations were reviewed and adjusted in CalEEMod to reflect the anticipated construction schedule. Default durations were retained for Building Construction (the longest modeled phase). Demolition duration was reduced, and grading and architectural coating durations were increased relative to CalEEMod defaults to align with project-specific schedule assumptions.
Construction: Off-Road Equipment	Mitigated scenario Welding equipment was assumed to be electric-powered, consistent with typical commercial construction practices for projects of this scale.
Construction: Trips and VMT	Demolition of a small non-residential building demolition input (3,000 building square feet) was included. Additional vendor trips were added to the demolition, site preparation, grading, paving, and architectural coating phases to account for delivery of materials, as the default for these phases is zero vendor trips. Default vendor trips retained in the building construction phase.
Operations: Vehicle Data	Trip generation assumptions are based on the project-specific traffic memorandum prepared by Fehr & Peers (July 29, 2025). Internal capture reductions were applied directly to total trip generation, while pass-by reductions were applied to the trip type percentages. Reductions consistent with the project-specific assumptions documented in the traffic report.

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	11/30/2026	11/13/2026
Demolition	Demolition	Work Days per Phase	20.0000	10.00000
Site Preparation	Site Preparation	Start Date	12/1/2026	11/14/2026
Site Preparation	Site Preparation	End Date	12/5/2026	11/18/2026
Grading	Grading	Start Date	12/6/2026	11/19/2026

Grading	Grading	End Date	12/14/2026	12/16/2026
Grading	Grading	Work Days per Phase	6.00000	20.0000
Building Construction	Building Construction	Start Date	12/15/2026	12/17/2026
Building Construction	Building Construction	End Date	10/19/2027	10/20/2027
Paving	Paving	Start Date	10/20/2027	12/17/2026
Paving	Paving	End Date	11/3/2027	12/30/2026
Architectural Coating	Architectural Coating	Start Date	11/4/2027	10/01/2027
Architectural Coating	Architectural Coating	End Date	11/18/2027	10/28/2027
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	20.0000

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Building Construction	Welders	Fuel Type	Diesel	Electric

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Architectural Coating	Worker	One-Way Trips per Day	1.04600	2.00000

ATTACHMENT B

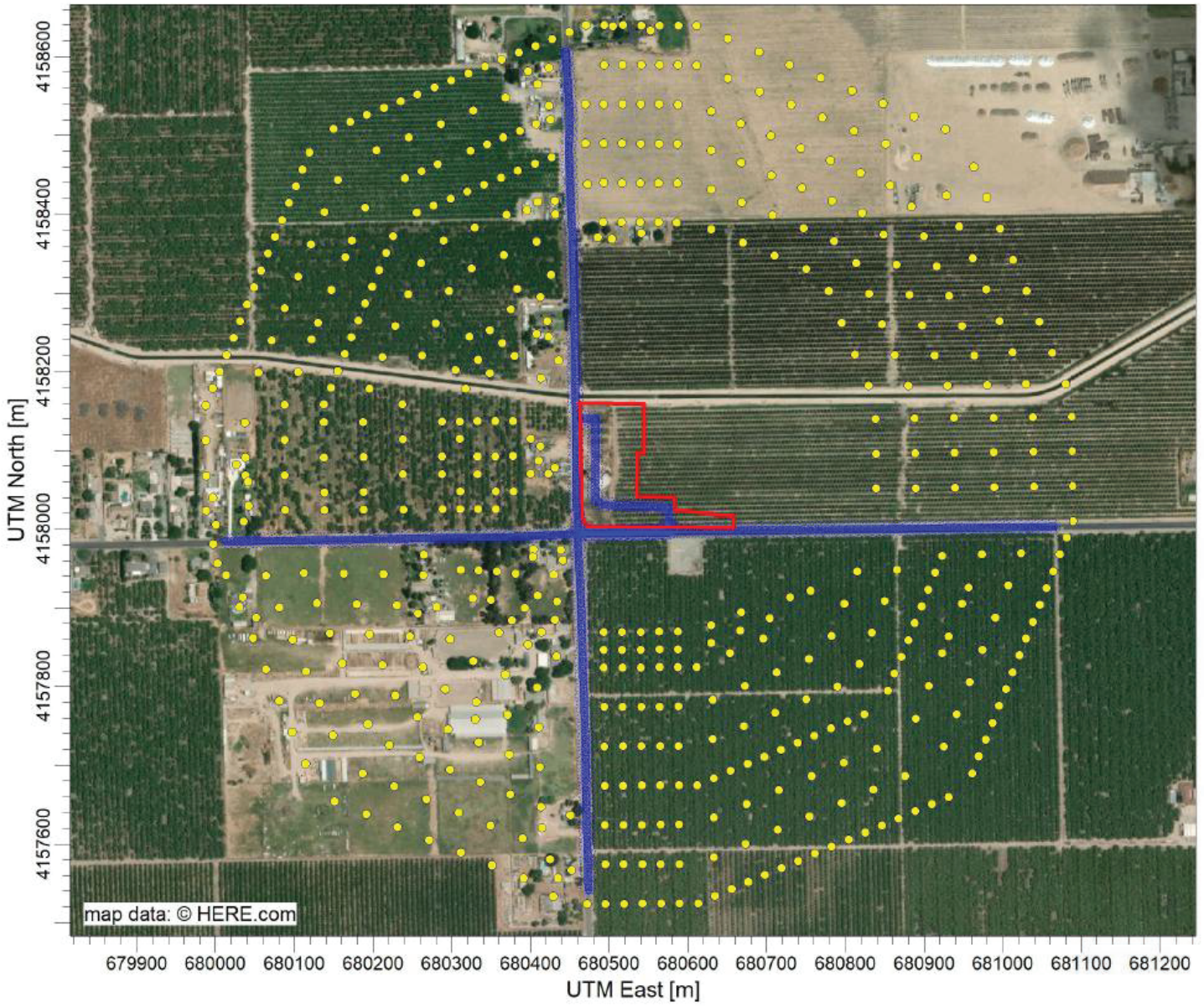
Health Risk Assessments (Construction and Operations)

Health Risk Assessment

General Parameters

PROJECT TITLE:

Graphical Representation of AERMOD Inputs (Project Construction)



COMMENTS:

SOURCES:

6

RECEPTORS:

550

COMPANY NAME:

MODELER:

DATE:

2/13/2026

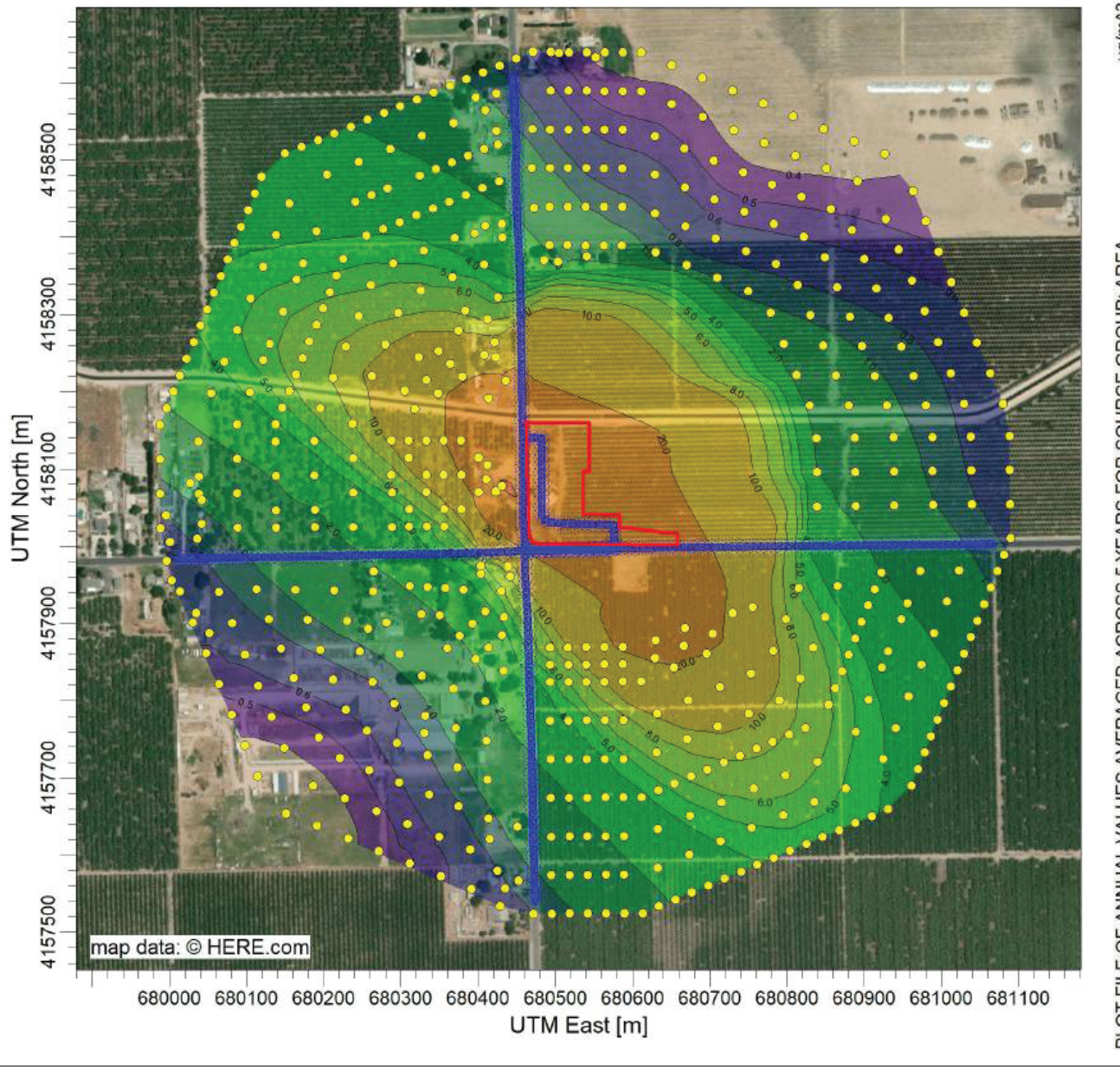
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0 0.2 km

PROJECT NO.:

PROJECT TITLE:

Air Dispersion Trend from Project Construction



COMMENTS:

SOURCES:

6

RECEPTORS:

550

OUTPUT TYPE:

Concentration

MAX:

41.2 ug/m^3

COMPANY NAME:

MODELER:

DATE:

2/13/2026

SCALE: 1:8,487

0 0.2 km

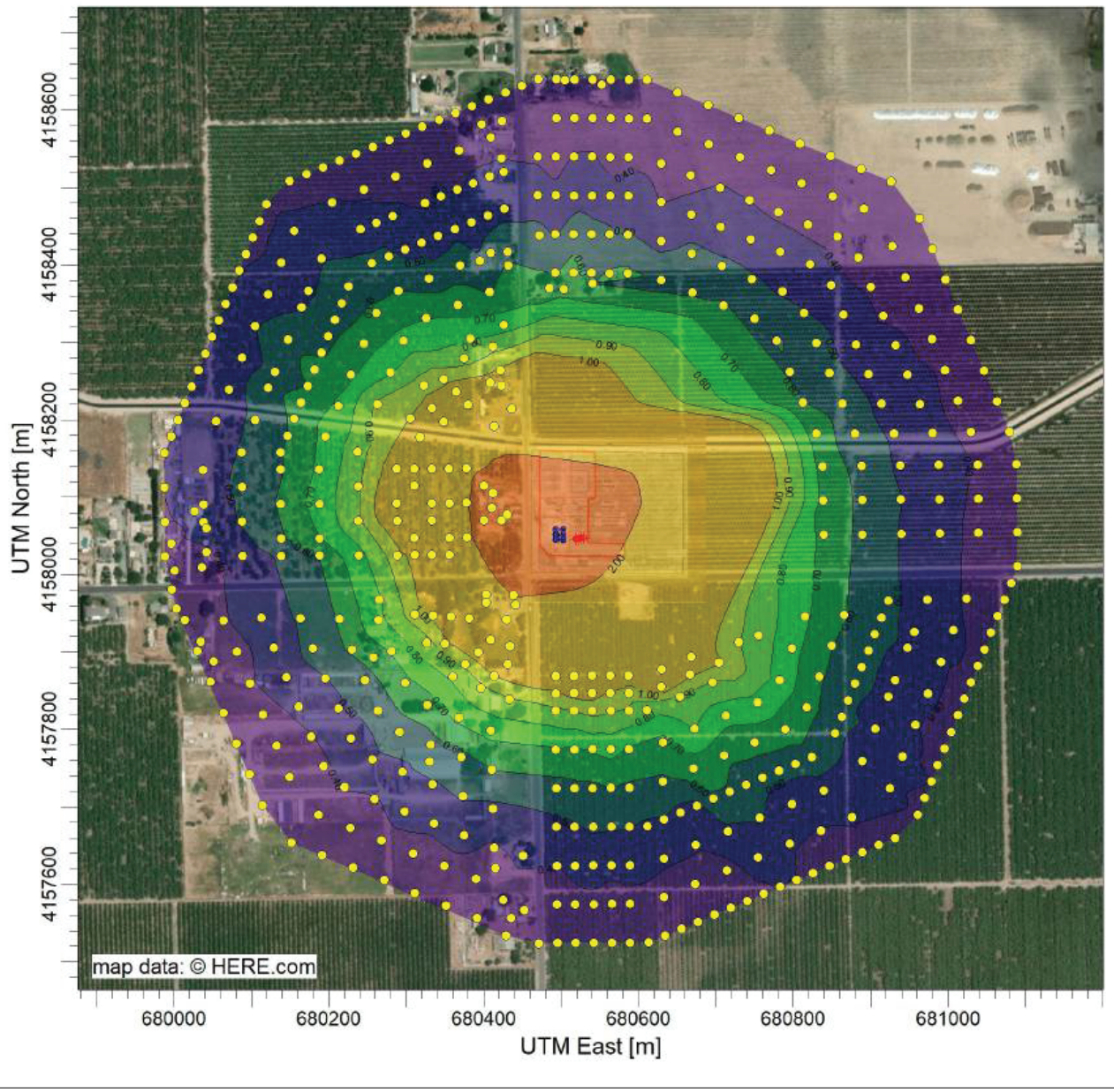
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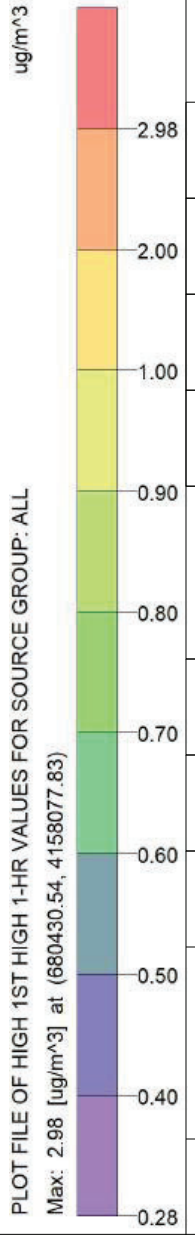
AERMOD View - Lakes Environmental Software

F:\HRA\0006-010\Keyes Con\Keyes Con.isc

PROJECT TITLE:

Air Dispersion from Gasoline Fueling Activities (Benzene)





COMMENTS:

SOURCES:

16

RECEPTORS:

550

OUTPUT TYPE:

Concentration

MAX:

2.98 ug/m^3

COMPANY NAME:

MODELER:

DATE:

2/16/2026

SCALE: 1:8,638

0 0.2 km

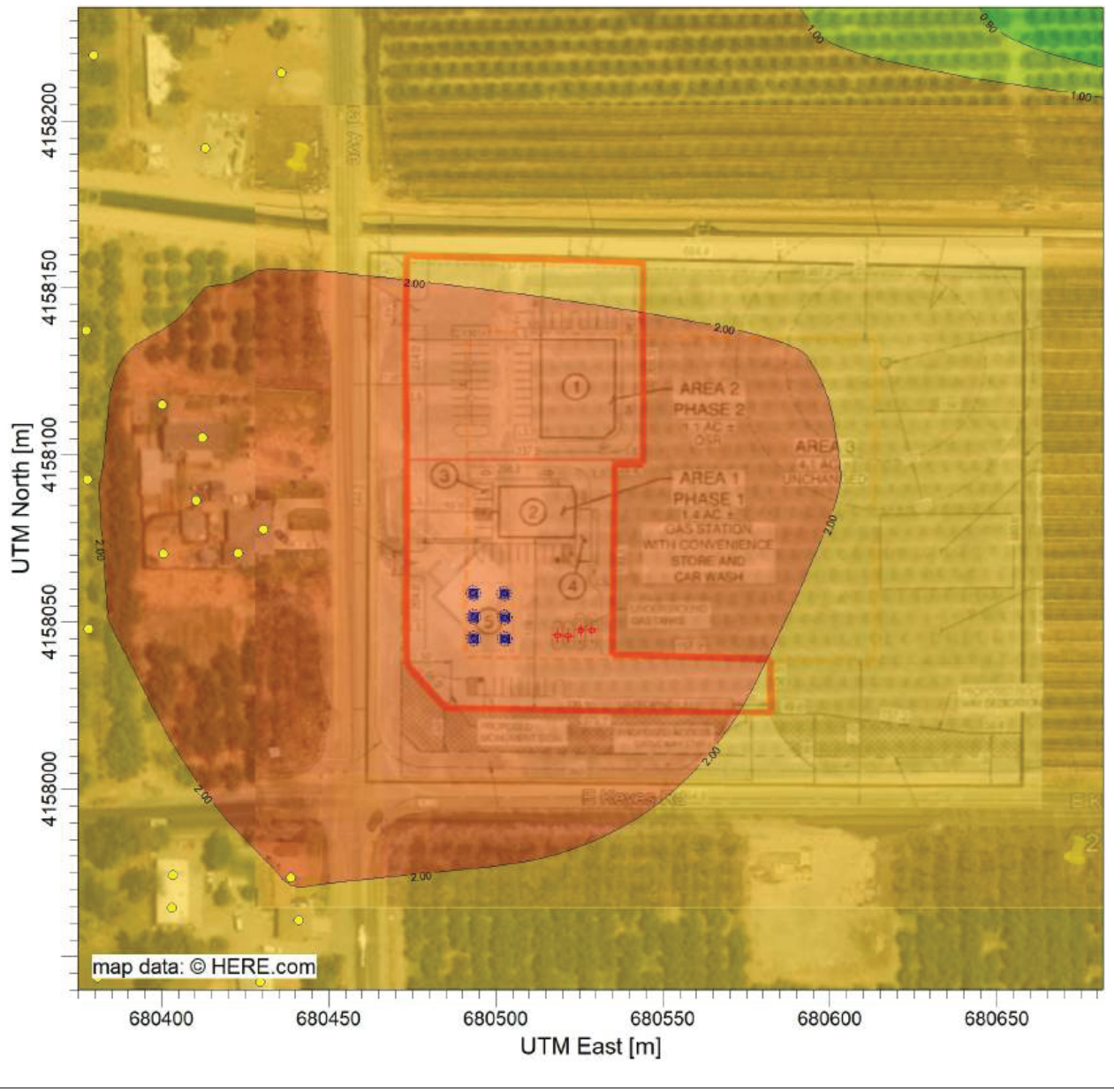
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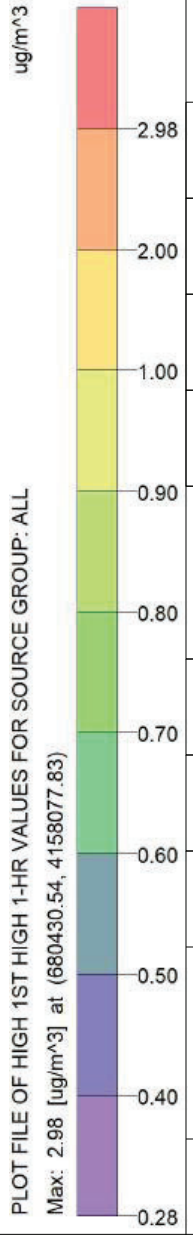
AERMOD View - Lakes Environmental Software

F:\HRA\0006-010\Keyes Gasoline\Keyes Gasoline.isc

PROJECT TITLE:

Air Dispersion from Gasoline Fueling Activities (Benzene)
Zoomed in Near Project Site (Off-site Receptors)





COMMENTS:

SOURCES:
16

RECEPTORS:
550

OUTPUT TYPE:
Concentration

MAX:
2.98 ug/m^3

COMPANY NAME:

MODELER:

DATE:
2/16/2026

SCALE: 1:2,001
0 0.05 km

PROJECT NO.:

AERMOD View - Lakes Environmental Software

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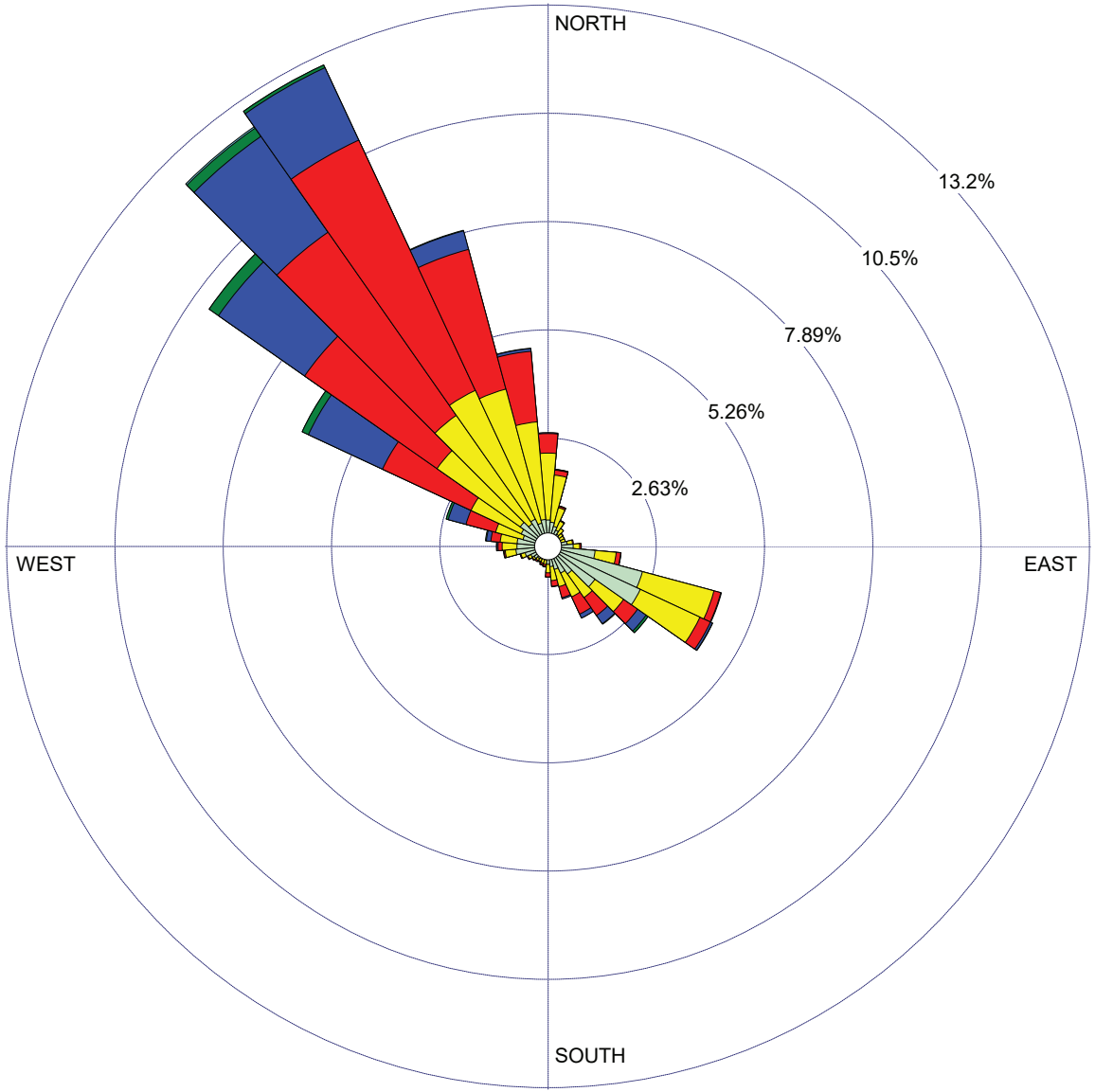
WIND ROSE PLOT:

Wind Rose – Modesto (Station #23258) – Blowing From

DISPLAY:

Wind Speed
Direction (blowing from)

COMMENTS:



DATA PERIOD:

Start Date: 1/1/2018 - 00:00
End Date: 12/31/2022 - 23:59

TOTAL COUNT:	CALM WINDS:
43412 hrs.	**3.91%**

AVG. WIND SPEED:

6.52 Knots

COMPANY NAME:

MODELER:

DATE:

2/13/2026

PROJECT NO.:

WRPLOT View - Lakes Environmental Software

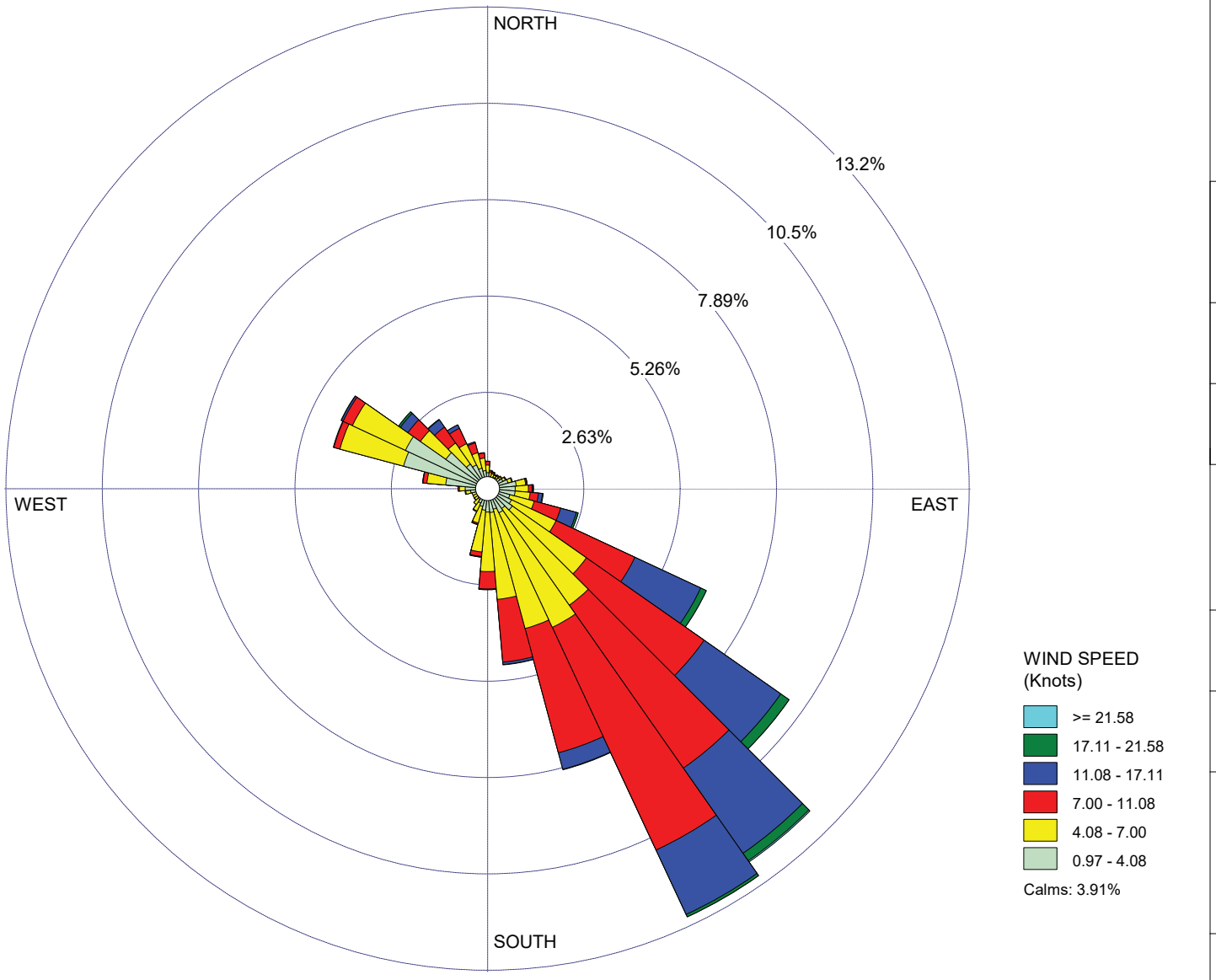
WIND ROSE PLOT:

Wind Rose – Modesto (Station #23258) – Blowing To

DISPLAY:

Wind Speed
Flow Vector (blowing to)

COMMENTS:



DATA PERIOD:

Start Date: 1/1/2018 - 00:00
End Date: 12/31/2022 - 23:59

TOTAL COUNT:	CALM WINDS:
43412 hrs.	**3.91%**

AVG. WIND SPEED:

6.52 Knots

COMPANY NAME:

MODELER:

DATE:

2/13/2026

PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Health Risk Assessment

Unmitigated Construction

Keyes-Central Commercial Development Project (Unmitigated Construction)

Estimation of Annual Onsite Construction Emissions

Start of Construction	11/2/2026	
End of Construction	10/28/2027	**Total**
Number of Days	360	360
Number of Hours	8,640	8,640

Size of the construction area source: **14,850.9** **sq-meters**

Run	Year	On-site Construction Activity	Unmitigated On-site DPM (pounds)
Project Construction	2026	Demolition	5.0831
Project Construction	2026	Site Preparation	1.2714
Project Construction	2026	Grading	11.5788
Project Construction	2026	Paving	2.4798
Project Construction	2026	Building Construction	3.8613
Project Construction	2027	Building Construction	67.3345
Project Construction	2027	Architectural Coating	0.3810

Total Unmitigated DPM (On-site) 9.199E+01 pounds

Factor in AERMOD to Account for 5 days per week/8 hours per day: 4.2

Average Emission for Construction Site	4.176E+04	grams
	1.343E-03	grams/sec
	9.041E-08	grams/m2-sec

Pounds/Construction Period	9.199E+01
Pounds/Day	2.555E-01
Pounds/Hour	1.065E-02
Pounds/Year	9.327E+01
Years	0.98630

Keyes-Central Commercial Development Project (Unmitigated Construction)

Estimation of Annual Offsite Construction DPM Emissions (Unmitigated)

Start of Construction		11/2/2026					
End of Construction		10/28/2027					**Total**
Number of Days		360					360
Number of Hours		8,640					8,640
	2026	2026	2026	2026	2026-2027	2027	
Construction Trip Type	Demolition	Site Preparation	Grading	Paving	Building Construction	Architectural Coating	**Total (pounds)**
Total (pounds)	0.05894	0.00379	1.67876	0.01265	0.15959	0.02529	**1.93902**

	Haul Truck	**Vendor Truck**	**Worker**	**Total**
Demolition	35	40	125	200
Site Preparation	0.00	12	23	35
Grading	1,250	80	200	1,530
Paving	0	40	150	190
Building Construction	0.00	505	1,151	1,655
Architectural Coating	0.00	80	40	120
Total	**1,285**	**757**	**1,688**	**3,730**

	Haul Truck (pounds)	**Vendor Truck (pounds)**	**Worker (pounds)**	**Total (pounds)**
Total DPM	6.680E-01	3.934E-01	8.776E-01	1.939E+00
Average Emissions				
Grams	3.033E+02	1.786E+02	3.984E+02	
Grams/sec	9.751E-06	5.743E-06	1.281E-05	
Default Distance	20	7.17	10.79	Default Vehicle Travel Distance in CalEEMod

Vehicle Travel Distances in the Construction HRA (miles)					
Off-site Road Segment 1	0.31	0.31	0.31	miles	Keyes Road – East
Off-site Road Segment 2	0.35	0.35	0.35	miles	Keyes Road – West
Off-site Road Segment 3	0.46	0.46	0.46	miles	Central Avenue – North
Off-site Road Segment 4	0.37	0.37	0.37	miles	Central Avenue – South
On-site	0.15	0.15	0.15	miles	On-site
Trip Distribution (percent)					
Off-site Road Segment 1	30.0%	30.0%	30.0%	off-site	Keyes Road – East
Off-site Road Segment 2	5.0%	5.0%	5.0%	off-site	Keyes Road – West
Off-site Road Segment 3	50.0%	50.0%	50.0%	off-site	Central Avenue – North
Off-site Road Segment 4	15.0%	15.0%	15.0%	on-site	Central Avenue – South
On-site	100.0%	100.0%	100.0%	on-site	On-site

Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
Off-site Road Segment 1	4.540E-08	7.459E-08	1.106E-07	2.306E-07
Off-site Road Segment 2	8.576E-09	1.409E-08	2.088E-08	4.355E-08
Off-site Road Segment 3	1.114E-07	1.830E-07	2.713E-07	5.657E-07
Off-site Road Segment 4	2.717E-08	4.463E-08	6.615E-08	1.379E-07
On-site	7.254E-08	1.192E-07	1.766E-07	3.683E-07

	Grams/sec	Pounds/Hour	Pounds/Day	Pounds/year	Tons/year
Off-site Road Segment 1	2.306E-07	1.830E-06	4.392E-05	1.603E-02	8.015E-06
Off-site Road Segment 2	4.355E-08	3.456E-07	8.295E-06	3.028E-03	1.514E-06
Off-site Road Segment 3	5.657E-07	4.489E-06	1.077E-04	3.879E-02	1.939E-05
Off-site Road Segment 4	1.379E-07	1.095E-06	2.628E-05	9.459E-03	4.730E-06
On-site	3.683E-07	2.923E-06	7.016E-05	2.526E-02	1.263E-05

Health Risk Summary - Unmitigated Construction (Summary of HARP2 Results)
Keyes-Central Commercial Development Project (Unmitigated Construction)

	RISK_SUM	Cancer Risk/million	MAXHI NonCancer Chronic	MAXHI Acute
Maximum Risk	9.7555E-06	9.76	1.1073E-02	0.00E+00

	X	Y
MER UTM	680430.54	4158077.83
Lat/Long	37°33'07.4"N	120°57'26.6"W

Receptor #244

*HARP - HRACalc v22118 2/13/2026 3:06:28 PM - Cancer Risk - Input File: F:\HRA\0006-010\HARP\01 - KEYES UNMIT CON\hra\Unmit ConHRAInput.hra
*HARP - HRACalc v22118 2/13/2026 3:06:28 PM - Chronic Risk - Input File: F:\HRA\0006-010\HARP\01 - KEYES UNMIT CON\hra\Unmit ConHRAInput.hra
*HARP - HRACalc v22118 2/13/2026 3:06:28 PM - Acute Risk - Input File: F:\HRA\0006-010\HARP\01 - KEYES UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
1	ALL	680829.36	4158182.03	3.7203E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2227E-04	0.00E+00
2	ALL	680812.41	4158222.11	3.4344E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8982E-04	0.00E+00
3	ALL	680795.46	4158262.19	2.9756E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3774E-04	0.00E+00
4	ALL	680778.52	4158302.27	2.4728E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8068E-04	0.00E+00
5	ALL	680749.96	4158330.67	2.2209E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5208E-04	0.00E+00
6	ALL	680709.78	4158347.40	2.1310E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4188E-04	0.00E+00
7	ALL	680669.61	4158364.13	2.0955E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3784E-04	0.00E+00
8	ALL	680629.44	4158380.86	2.2891E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5982E-04	0.00E+00
9	ALL	680838.10	4158139.94	4.1120E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6674E-04	0.00E+00
10	ALL	680838.63	4158095.85	4.7376E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3774E-04	0.00E+00
11	ALL	680839.15	4158051.75	5.5951E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.3508E-04	0.00E+00
12	ALL	680879.58	4158182.10	3.0290E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4380E-04	0.00E+00
13	ALL	680863.07	4158221.14	2.8908E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2813E-04	0.00E+00
14	ALL	680846.57	4158260.17	2.6267E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9814E-04	0.00E+00
15	ALL	680830.06	4158299.21	2.2605E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5658E-04	0.00E+00
16	ALL	680813.55	4158338.24	1.9159E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1747E-04	0.00E+00
17	ALL	680785.74	4158365.90	1.7346E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9688E-04	0.00E+00
18	ALL	680746.62	4158382.20	1.6570E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8808E-04	0.00E+00
19	ALL	680707.49	4158398.49	1.5937E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8090E-04	0.00E+00
20	ALL	680668.37	4158414.78	1.6597E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8839E-04	0.00E+00
21	ALL	680629.25	4158431.08	1.8517E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1018E-04	0.00E+00
22	ALL	680888.09	4158140.54	3.2346E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6714E-04	0.00E+00
23	ALL	680888.62	4158096.44	3.5708E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0530E-04	0.00E+00
24	ALL	680889.15	4158052.35	4.0254E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5690E-04	0.00E+00
25	ALL	680929.72	4158182.35	2.5079E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8466E-04	0.00E+00
26	ALL	680913.51	4158220.69	2.4485E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7791E-04	0.00E+00
27	ALL	680897.30	4158259.03	2.3015E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6123E-04	0.00E+00
28	ALL	680881.09	4158297.37	2.0519E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3290E-04	0.00E+00
29	ALL	680864.88	4158335.70	1.7768E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0168E-04	0.00E+00
30	ALL	680848.67	4158374.04	1.5329E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7399E-04	0.00E+00
31	ALL	680821.35	4158401.21	1.3992E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5882E-04	0.00E+00
32	ALL	680782.92	4158417.21	1.3374E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5180E-04	0.00E+00
33	ALL	680744.50	4158433.21	1.2713E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4430E-04	0.00E+00
34	ALL	680706.07	4158449.22	1.2761E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4485E-04	0.00E+00
35	ALL	680667.65	4158465.22	1.3946E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5829E-04	0.00E+00
36	ALL	680629.22	4158481.22	1.5224E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7280E-04	0.00E+00
37	ALL	680938.09	4158141.14	2.6072E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9593E-04	0.00E+00
38	ALL	680938.62	4158097.04	2.7866E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1630E-04	0.00E+00
39	ALL	680939.15	4158052.95	3.0543E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4668E-04	0.00E+00
40	ALL	680979.82	4158182.70	2.1012E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3850E-04	0.00E+00
41	ALL	680963.82	4158220.54	2.0926E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3752E-04	0.00E+00
42	ALL	680947.82	4158258.38	2.0176E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2901E-04	0.00E+00
43	ALL	680931.82	4158296.22	1.8574E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1082E-04	0.00E+00
44	ALL	680915.82	4158334.06	1.6446E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8667E-04	0.00E+00
45	ALL	680899.82	4158371.90	1.4415E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6361E-04	0.00E+00
46	ALL	680883.82	4158409.74	1.2620E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4324E-04	0.00E+00
47	ALL	680856.86	4158436.56	1.1596E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3162E-04	0.00E+00
48	ALL	680818.93	4158452.35	1.1068E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2562E-04	0.00E+00
49	ALL	680781.00	4158468.15	1.0493E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1910E-04	0.00E+00
50	ALL	680743.08	4158483.94	1.0266E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1652E-04	0.00E+00
51	ALL	680705.15	4158499.74	1.0878E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2347E-04	0.00E+00
52	ALL	680667.23	4158515.53	1.2045E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3671E-04	0.00E+00
53	ALL	680629.30	4158531.32	1.2593E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4293E-04	0.00E+00
54	ALL	680988.09	4158141.74	2.1364E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4249E-04	0.00E+00
55	ALL	680988.62	4158097.64	2.2358E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5378E-04	0.00E+00
56	ALL	680989.14	4158053.55	2.4113E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7370E-04	0.00E+00
57	ALL	681029.37	4158184.37	1.7819E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0225E-04	0.00E+00
58	ALL	681012.47	4158224.33	1.8019E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0453E-04	0.00E+00
59	ALL	680995.57	4158264.29	1.7621E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0001E-04	0.00E+00
60	ALL	680978.67	4158304.26	1.6423E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8641E-04	0.00E+00
61	ALL	680961.77	4158344.22	1.4659E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6639E-04	0.00E+00
62	ALL	680944.88	4158384.18	1.2916E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4660E-04	0.00E+00
63	ALL	680927.98	4158424.15	1.1404E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2945E-04	0.00E+00
64	ALL	680891.05	4158472.45	9.8022E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1126E-04	0.00E+00
65	ALL	680851.00	4158489.13	9.3241E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0583E-04	0.00E+00
66	ALL	680810.94	4158505.81	8.7915E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.9788E-05	0.00E+00
67	ALL	680770.89	4158522.50	8.5365E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.6894E-05	0.00E+00
68	ALL	680730.83	4158539.18	8.9941E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0209E-04	0.00E+00

69	ALL	680690.78	4158555.86	1.0013E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1365E-04	0.00E+00
70	ALL	680650.72	4158572.54	1.0559E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1985E-04	0.00E+00
71	ALL	681038.08	4158142.34	1.7760E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0159E-04	0.00E+00
72	ALL	681038.61	4158098.24	1.8357E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0836E-04	0.00E+00
73	ALL	681039.14	4158054.15	1.9583E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2228E-04	0.00E+00
74	ALL	681079.49	4158184.66	1.5253E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7313E-04	0.00E+00
75	ALL	681062.85	4158224.03	1.5668E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7784E-04	0.00E+00
76	ALL	681046.20	4158263.39	1.5614E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7722E-04	0.00E+00
77	ALL	681029.56	4158302.75	1.4911E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6925E-04	0.00E+00
78	ALL	681012.92	4158342.11	1.3620E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5460E-04	0.00E+00
79	ALL	680996.27	4158381.48	1.2151E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3792E-04	0.00E+00
80	ALL	680979.63	4158420.84	1.0849E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2315E-04	0.00E+00
81	ALL	680962.98	4158460.20	9.7124E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1024E-04	0.00E+00
82	ALL	680926.61	4158507.78	8.4696E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.6134E-05	0.00E+00
83	ALL	680887.16	4158524.21	8.0563E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1443E-05	0.00E+00
84	ALL	680847.71	4158540.64	7.5644E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.5860E-05	0.00E+00
85	ALL	680808.25	4158557.07	7.2323E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2090E-05	0.00E+00
86	ALL	680768.80	4158573.50	7.3859E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3833E-05	0.00E+00
87	ALL	680729.35	4158589.93	8.1117E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.2072E-05	0.00E+00
88	ALL	680689.90	4158606.36	8.8896E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0090E-04	0.00E+00
89	ALL	680650.45	4158622.79	8.9777E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0190E-04	0.00E+00
90	ALL	681088.08	4158142.94	1.4998E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7023E-04	0.00E+00
91	ALL	681088.61	4158098.84	1.5413E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7495E-04	0.00E+00
92	ALL	681089.14	4158054.75	1.6313E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8516E-04	0.00E+00
93	ALL	681089.67	4158010.65	1.7873E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0287E-04	0.00E+00
94	ALL	680629.68	4157877.99	6.4243E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.2919E-03	0.00E+00
95	ALL	680667.86	4157894.16	6.8295E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.7519E-03	0.00E+00
96	ALL	680587.02	4157869.75	5.0914E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7790E-03	0.00E+00
97	ALL	680563.46	4157869.59	4.2393E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8119E-03	0.00E+00
98	ALL	680539.89	4157869.44	3.2703E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7119E-03	0.00E+00
99	ALL	680516.33	4157869.28	2.3748E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6955E-03	0.00E+00
100	ALL	680492.76	4157869.13	1.6788E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9056E-03	0.00E+00
101	ALL	680629.30	4157855.26	5.0362E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7164E-03	0.00E+00
102	ALL	680666.42	4157870.99	5.7111E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4824E-03	0.00E+00
103	ALL	680703.54	4157886.71	5.2122E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9161E-03	0.00E+00
104	ALL	680729.61	4157913.27	4.3156E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8985E-03	0.00E+00
105	ALL	680587.17	4157847.25	3.8253E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3419E-03	0.00E+00
106	ALL	680563.61	4157847.09	3.1454E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5702E-03	0.00E+00
107	ALL	680540.04	4157846.94	2.4354E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7643E-03	0.00E+00
108	ALL	680516.48	4157846.78	1.8113E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0560E-03	0.00E+00
109	ALL	680492.91	4157846.63	1.3310E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5108E-03	0.00E+00
110	ALL	680653.31	4157842.87	4.5582E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1738E-03	0.00E+00
111	ALL	680695.73	4157860.84	4.7328E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3719E-03	0.00E+00
112	ALL	680755.33	4157921.56	3.0673E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4815E-03	0.00E+00
113	ALL	680610.88	4157824.90	3.3970E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8558E-03	0.00E+00
114	ALL	680587.32	4157824.75	2.9276E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3229E-03	0.00E+00
115	ALL	680563.75	4157824.59	2.3941E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7174E-03	0.00E+00
116	ALL	680540.19	4157824.44	1.8738E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1269E-03	0.00E+00
117	ALL	680516.62	4157824.28	1.4267E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6194E-03	0.00E+00
118	ALL	680493.06	4157824.13	1.0832E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2295E-03	0.00E+00
119	ALL	680631.54	4157783.51	2.4686E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8020E-03	0.00E+00
120	ALL	680672.20	4157800.73	3.1996E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6317E-03	0.00E+00
121	ALL	680712.85	4157817.95	3.4301E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8933E-03	0.00E+00
122	ALL	680753.51	4157835.17	3.0281E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4370E-03	0.00E+00
123	ALL	680782.07	4157864.27	2.5191E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8594E-03	0.00E+00
124	ALL	680798.53	4157905.24	1.9572E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2215E-03	0.00E+00
125	ALL	680814.99	4157946.20	1.3171E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4950E-03	0.00E+00
126	ALL	680587.65	4157774.75	1.7288E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9622E-03	0.00E+00
127	ALL	680564.08	4157774.59	1.4180E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6095E-03	0.00E+00
128	ALL	680540.52	4157774.44	1.1391E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2930E-03	0.00E+00
129	ALL	680516.95	4157774.28	9.1225E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0355E-03	0.00E+00
130	ALL	680493.39	4157774.13	7.3310E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3211E-04	0.00E+00
131	ALL	680631.34	4157733.29	1.5748E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7875E-03	0.00E+00
132	ALL	680670.93	4157750.06	2.1236E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4104E-03	0.00E+00
133	ALL	680710.53	4157766.83	2.5030E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8411E-03	0.00E+00
134	ALL	680750.13	4157783.60	2.5310E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8729E-03	0.00E+00
135	ALL	680789.72	4157800.37	2.2159E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5151E-03	0.00E+00
136	ALL	680817.54	4157828.71	1.8849E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1394E-03	0.00E+00
137	ALL	680833.57	4157868.61	1.5646E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7759E-03	0.00E+00
138	ALL	680849.60	4157908.51	1.1588E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3153E-03	0.00E+00
139	ALL	680865.63	4157948.41	8.0809E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1723E-04	0.00E+00
140	ALL	680587.98	4157724.75	1.1101E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2600E-03	0.00E+00
141	ALL	680564.41	4157724.60	9.2653E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0517E-03	0.00E+00
142	ALL	680540.85	4157724.44	7.6575E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.6917E-04	0.00E+00
143	ALL	680517.28	4157724.29	6.3360E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.1917E-04	0.00E+00
144	ALL	680493.72	4157724.13	5.2975E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.0130E-04	0.00E+00
145	ALL	680633.08	4157683.89	1.0726E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2175E-03	0.00E+00
146	ALL	680654.29	4157692.88	1.2783E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4510E-03	0.00E+00
147	ALL	680675.51	4157701.86	1.4894E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6906E-03	0.00E+00
148	ALL	680696.72	4157710.84	1.6872E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9150E-03	0.00E+00
149	ALL	680717.93	4157719.83	1.8497E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0995E-03	0.00E+00
150	ALL	680739.14	4157728.81	1.9535E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2173E-03	0.00E+00
151	ALL	680760.35	4157737.79	1.9875E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2559E-03	0.00E+00
152	ALL	680781.57	4157746.78	1.9511E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2146E-03	0.00E+00
153	ALL	680802.78	4157755.76	1.8510E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1009E-03	0.00E+00
154	ALL	680823.99	4157764.75	1.7026E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9325E-03	0.00E+00
155	ALL	680853.79	4157795.11	1.4593E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6564E-03	0.00E+00
156	ALL	680862.38	4157816.48	1.3586E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5421E-03	0.00E+00

157	ALL	680870.97	4157837.86	1.2313E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3976E-03	0.00E+00
158	ALL	680879.56	4157859.23	1.0922E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2397E-03	0.00E+00
159	ALL	680888.14	4157880.61	9.4499E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0726E-03	0.00E+00
160	ALL	680896.73	4157901.98	8.0309E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1155E-04	0.00E+00
161	ALL	680905.32	4157923.36	6.7535E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6655E-04	0.00E+00
162	ALL	680913.91	4157944.73	5.6643E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4292E-04	0.00E+00
163	ALL	680922.50	4157966.11	4.8032E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4518E-04	0.00E+00
164	ALL	680611.87	4157674.91	8.8534E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0049E-03	0.00E+00
165	ALL	680588.31	4157674.75	7.5957E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.6215E-04	0.00E+00
166	ALL	680564.74	4157674.60	6.4527E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.3242E-04	0.00E+00
167	ALL	680541.18	4157674.44	5.4602E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1976E-04	0.00E+00
168	ALL	680517.61	4157674.29	4.6510E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2792E-04	0.00E+00
169	ALL	680494.05	4157674.13	4.0086E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5500E-04	0.00E+00
170	ALL	680632.87	4157633.66	7.5089E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.5230E-04	0.00E+00
171	ALL	680674.20	4157651.17	1.0341E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1737E-03	0.00E+00
172	ALL	680715.54	4157668.68	1.3262E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5053E-03	0.00E+00
173	ALL	680756.88	4157686.18	1.5363E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7438E-03	0.00E+00
174	ALL	680798.21	4157703.69	1.5774E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7904E-03	0.00E+00
175	ALL	680839.55	4157721.20	1.4468E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6422E-03	0.00E+00
176	ALL	680889.25	4157759.53	1.1693E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3273E-03	0.00E+00
177	ALL	680905.99	4157801.19	1.0233E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1615E-03	0.00E+00
178	ALL	680922.73	4157842.84	8.2963E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.4167E-04	0.00E+00
179	ALL	680931.09	4157863.67	7.2991E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2848E-04	0.00E+00
180	ALL	680947.83	4157905.32	5.4422E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1772E-04	0.00E+00
181	ALL	680956.20	4157926.15	4.6591E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2884E-04	0.00E+00
182	ALL	680972.94	4157967.80	3.5125E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9868E-04	0.00E+00
183	ALL	680588.63	4157624.75	5.4538E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1903E-04	0.00E+00
184	ALL	680565.07	4157624.60	4.7081E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3440E-04	0.00E+00
185	ALL	680541.50	4157624.44	4.0810E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6321E-04	0.00E+00
186	ALL	680517.94	4157624.29	3.5583E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0389E-04	0.00E+00
187	ALL	680494.37	4157624.13	3.1407E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5649E-04	0.00E+00
188	ALL	680632.80	4157583.49	5.4750E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2144E-04	0.00E+00
189	ALL	680673.34	4157600.66	7.4157E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.4172E-04	0.00E+00
190	ALL	680713.87	4157617.83	9.6028E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0900E-03	0.00E+00
191	ALL	680754.41	4157635.00	1.1595E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3160E-03	0.00E+00
192	ALL	680794.95	4157652.17	1.2760E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4483E-03	0.00E+00
193	ALL	680835.49	4157669.34	1.2731E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4451E-03	0.00E+00
194	ALL	680876.03	4157686.51	1.1608E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3175E-03	0.00E+00
195	ALL	680924.77	4157724.10	9.5733E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0866E-03	0.00E+00
196	ALL	680941.19	4157764.95	8.5818E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.7408E-04	0.00E+00
197	ALL	680957.60	4157805.80	7.2371E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2145E-04	0.00E+00
198	ALL	680974.01	4157846.65	5.8135E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5986E-04	0.00E+00
199	ALL	680990.43	4157887.50	4.4709E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0747E-04	0.00E+00
200	ALL	681006.84	4157928.35	3.4066E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8667E-04	0.00E+00
201	ALL	681023.26	4157969.20	2.6908E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0542E-04	0.00E+00
202	ALL	680588.96	4157574.75	4.0895E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6418E-04	0.00E+00
203	ALL	680565.40	4157574.60	3.5816E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0653E-04	0.00E+00
204	ALL	680541.83	4157574.44	3.1527E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5784E-04	0.00E+00
205	ALL	680518.27	4157574.29	2.8099E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1894E-04	0.00E+00
206	ALL	680494.70	4157574.13	2.5288E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8704E-04	0.00E+00
207	ALL	680634.07	4157533.89	4.1712E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7346E-04	0.00E+00
208	ALL	680655.28	4157542.88	4.8582E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5143E-04	0.00E+00
209	ALL	680676.49	4157551.86	5.6304E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.3908E-04	0.00E+00
210	ALL	680697.70	4157560.85	6.4713E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.3453E-04	0.00E+00
211	ALL	680718.92	4157569.83	7.3525E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3455E-04	0.00E+00
212	ALL	680740.13	4157578.81	8.2344E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.3465E-04	0.00E+00
213	ALL	680761.34	4157587.80	9.0668E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0291E-03	0.00E+00
214	ALL	680782.55	4157596.78	9.7868E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1109E-03	0.00E+00
215	ALL	680803.76	4157605.77	1.0320E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1713E-03	0.00E+00
216	ALL	680824.98	4157614.75	1.0638E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2074E-03	0.00E+00
217	ALL	680846.19	4157623.73	1.0707E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2153E-03	0.00E+00
218	ALL	680867.40	4157632.72	1.0528E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1949E-03	0.00E+00
219	ALL	680888.61	4157641.70	1.0138E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1507E-03	0.00E+00
220	ALL	680909.82	4157650.69	9.5831E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0877E-03	0.00E+00
221	ALL	680931.04	4157659.67	8.9265E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0132E-03	0.00E+00
222	ALL	680960.84	4157690.03	7.9617E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.0370E-04	0.00E+00
223	ALL	680969.42	4157711.40	7.6217E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.6510E-04	0.00E+00
224	ALL	680978.01	4157732.78	7.1981E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.1702E-04	0.00E+00
225	ALL	680986.60	4157754.15	6.7024E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6075E-04	0.00E+00
226	ALL	680995.19	4157775.53	6.1536E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9847E-04	0.00E+00
227	ALL	681003.78	4157796.90	5.5956E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.3513E-04	0.00E+00
228	ALL	681012.37	4157818.28	5.0345E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7144E-04	0.00E+00
229	ALL	681020.96	4157839.65	4.4840E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0895E-04	0.00E+00
230	ALL	681029.54	4157861.03	3.9572E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4916E-04	0.00E+00
231	ALL	681038.13	4157882.40	3.4652E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9331E-04	0.00E+00
232	ALL	681046.72	4157903.78	3.0341E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4438E-04	0.00E+00
233	ALL	681055.31	4157925.15	2.6767E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0381E-04	0.00E+00
234	ALL	681063.90	4157946.53	2.3881E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7106E-04	0.00E+00
235	ALL	681072.49	4157967.90	2.1579E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4493E-04	0.00E+00
236	ALL	681081.08	4157989.28	1.9611E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2259E-04	0.00E+00
237	ALL	680612.86	4157524.91	3.5773E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0605E-04	0.00E+00
238	ALL	680589.29	4157524.76	3.1705E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5987E-04	0.00E+00
239	ALL	680565.73	4157524.60	2.8177E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1983E-04	0.00E+00
240	ALL	680542.16	4157524.45	2.5241E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8649E-04	0.00E+00
241	ALL	680518.60	4157524.29	2.2775E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5851E-04	0.00E+00
242	ALL	680495.03	4157524.14	2.0766E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3570E-04	0.00E+00
243	ALL	680471.47	4157523.98	1.8963E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1524E-04	0.00E+00
244	ALL	680430.54	4158077.83	9.7555E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1073E-02	0.00E+00

245	ALL	680412.13	4158105.31	8.2650E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.3812E-03	0.00E+00
246	ALL	680422.91	4158070.64	8.1194E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.2159E-03	0.00E+00
247	ALL	680410.30	4158086.53	7.4183E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.4201E-03	0.00E+00
248	ALL	680438.57	4157973.64	2.1158E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4015E-03	0.00E+00
249	ALL	680441.02	4157960.92	1.9069E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1644E-03	0.00E+00
250	ALL	680400.41	4158070.50	5.5259E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2722E-03	0.00E+00
251	ALL	680400.15	4158115.13	7.2308E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2073E-03	0.00E+00
252	ALL	680403.34	4157974.41	1.2847E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4583E-03	0.00E+00
253	ALL	680433.61	4157908.14	1.0189E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1565E-03	0.00E+00
254	ALL	680378.05	4158048.06	2.7542E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1262E-03	0.00E+00
255	ALL	680377.78	4158092.68	4.8714E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5293E-03	0.00E+00
256	ALL	680377.51	4158137.30	5.8171E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.6027E-03	0.00E+00
257	ALL	680380.90	4157943.77	7.7094E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.7506E-04	0.00E+00
258	ALL	680409.21	4157915.81	8.0487E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1357E-04	0.00E+00
259	ALL	680355.68	4158025.61	1.4167E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6080E-03	0.00E+00
260	ALL	680355.55	4158047.92	1.9992E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2692E-03	0.00E+00
261	ALL	680355.28	4158092.55	3.6413E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1331E-03	0.00E+00
262	ALL	680355.01	4158137.17	4.6380E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2644E-03	0.00E+00
263	ALL	680357.40	4157946.02	6.5322E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.4144E-04	0.00E+00
264	ALL	680392.60	4157900.13	6.0889E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9112E-04	0.00E+00
265	ALL	680430.90	4157884.55	8.2005E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.3080E-04	0.00E+00
266	ALL	680333.18	4158025.48	1.1231E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2748E-03	0.00E+00
267	ALL	680332.91	4158070.10	2.0952E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3781E-03	0.00E+00
268	ALL	680332.78	4158092.41	2.7600E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1327E-03	0.00E+00
269	ALL	680332.52	4158137.03	3.7414E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2466E-03	0.00E+00
270	ALL	680334.23	4157947.47	5.6568E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4207E-04	0.00E+00
271	ALL	680349.84	4157910.43	4.7290E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3676E-04	0.00E+00
272	ALL	680376.26	4157884.33	4.7845E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4307E-04	0.00E+00
273	ALL	680413.49	4157869.19	6.0947E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9178E-04	0.00E+00
274	ALL	680310.68	4158025.34	9.1678E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0406E-03	0.00E+00
275	ALL	680310.55	4158047.66	1.1910E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3519E-03	0.00E+00
276	ALL	680310.15	4158114.59	2.6394E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9958E-03	0.00E+00
277	ALL	680310.02	4158136.90	3.0428E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4537E-03	0.00E+00
278	ALL	680311.25	4157948.47	4.9773E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.6495E-04	0.00E+00
279	ALL	680326.54	4157912.18	4.1857E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7510E-04	0.00E+00
280	ALL	680360.07	4157868.48	3.8664E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3885E-04	0.00E+00
281	ALL	680396.54	4157853.64	4.7411E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3814E-04	0.00E+00
282	ALL	680433.02	4157838.81	6.1912E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.0273E-04	0.00E+00
283	ALL	680288.18	4158025.21	7.6497E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.6828E-04	0.00E+00
284	ALL	680287.91	4158069.83	1.2627E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4332E-03	0.00E+00
285	ALL	680287.78	4158092.14	1.6651E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8900E-03	0.00E+00
286	ALL	680287.52	4158136.77	2.4882E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8242E-03	0.00E+00
287	ALL	680263.96	4157941.75	3.7696E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2786E-04	0.00E+00
288	ALL	680281.05	4157901.17	3.1613E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5883E-04	0.00E+00
289	ALL	680298.15	4157860.60	2.6265E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9812E-04	0.00E+00
290	ALL	680327.09	4157832.03	2.6127E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9655E-04	0.00E+00
291	ALL	680367.87	4157815.44	3.1415E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5658E-04	0.00E+00
292	ALL	680408.65	4157798.85	3.9706E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5069E-04	0.00E+00
293	ALL	680238.18	4158024.91	5.4130E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1441E-04	0.00E+00
294	ALL	680237.92	4158069.53	8.0380E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1236E-04	0.00E+00
295	ALL	680237.65	4158114.16	1.3155E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4931E-03	0.00E+00
296	ALL	680237.38	4158158.78	1.8823E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1365E-03	0.00E+00
297	ALL	680213.29	4157943.03	3.0519E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4641E-04	0.00E+00
298	ALL	680229.94	4157903.52	2.6693E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0298E-04	0.00E+00
299	ALL	680246.59	4157864.01	2.2361E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5381E-04	0.00E+00
300	ALL	680263.24	4157824.50	1.8897E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1449E-04	0.00E+00
301	ALL	680291.42	4157796.67	1.8739E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1270E-04	0.00E+00
302	ALL	680331.14	4157780.51	2.1712E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4645E-04	0.00E+00
303	ALL	680370.86	4157764.36	2.5971E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9478E-04	0.00E+00
304	ALL	680410.58	4157748.21	3.2107E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6443E-04	0.00E+00
305	ALL	680188.18	4158024.61	4.0498E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5968E-04	0.00E+00
306	ALL	680188.05	4158046.93	4.6783E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3101E-04	0.00E+00
307	ALL	680187.78	4158091.55	6.8958E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.8271E-04	0.00E+00
308	ALL	680187.52	4158136.17	1.0815E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2276E-03	0.00E+00
309	ALL	680162.84	4157943.80	2.5152E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8549E-04	0.00E+00
310	ALL	680179.20	4157904.99	2.2780E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5857E-04	0.00E+00
311	ALL	680195.55	4157866.18	1.9718E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2380E-04	0.00E+00
312	ALL	680211.90	4157827.38	1.6617E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8861E-04	0.00E+00
313	ALL	680228.26	4157788.57	1.4286E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6215E-04	0.00E+00
314	ALL	680255.94	4157761.23	1.4106E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6012E-04	0.00E+00
315	ALL	680294.94	4157745.37	1.6013E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8175E-04	0.00E+00
316	ALL	680333.95	4157729.50	1.8581E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1090E-04	0.00E+00
317	ALL	680372.96	4157713.64	2.1876E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4831E-04	0.00E+00
318	ALL	680411.97	4157697.77	2.6482E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0058E-04	0.00E+00
319	ALL	680138.18	4158024.32	3.1535E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5794E-04	0.00E+00
320	ALL	680138.05	4158046.63	3.5584E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0389E-04	0.00E+00
321	ALL	680137.78	4158091.25	4.9327E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5989E-04	0.00E+00
322	ALL	680137.52	4158135.87	7.5021E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.5153E-04	0.00E+00
323	ALL	680137.39	4158158.18	9.1308E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0364E-03	0.00E+00
324	ALL	680112.53	4157944.25	2.1054E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3898E-04	0.00E+00
325	ALL	680128.67	4157905.95	1.9580E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2224E-04	0.00E+00
326	ALL	680144.81	4157867.65	1.7497E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9860E-04	0.00E+00
327	ALL	680160.95	4157829.35	1.5092E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7130E-04	0.00E+00
328	ALL	680177.09	4157791.04	1.2863E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4600E-04	0.00E+00
329	ALL	680193.23	4157752.74	1.1199E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2711E-04	0.00E+00
330	ALL	680220.55	4157725.76	1.1013E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2500E-04	0.00E+00
331	ALL	680259.05	4157710.10	1.2288E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3948E-04	0.00E+00
332	ALL	680297.55	4157694.44	1.4046E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5943E-04	0.00E+00

333	ALL	680336.05	4157678.78	1.6059E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8228E-04	0.00E+00
334	ALL	680374.56	4157663.13	1.8698E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1223E-04	0.00E+00
335	ALL	680413.06	4157647.47	2.2192E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5190E-04	0.00E+00
336	ALL	680088.18	4158024.02	2.5324E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8745E-04	0.00E+00
337	ALL	680087.92	4158068.64	3.1892E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6199E-04	0.00E+00
338	ALL	680087.65	4158113.26	4.4513E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0524E-04	0.00E+00
339	ALL	680087.39	4158157.89	6.5857E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.4751E-04	0.00E+00
340	ALL	680063.89	4157940.73	1.7789E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0191E-04	0.00E+00
341	ALL	680080.93	4157900.28	1.6748E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9010E-04	0.00E+00
342	ALL	680097.98	4157859.83	1.5157E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7204E-04	0.00E+00
343	ALL	680115.03	4157819.37	1.3180E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4960E-04	0.00E+00
344	ALL	680132.07	4157778.92	1.1246E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2765E-04	0.00E+00
345	ALL	680149.12	4157738.47	9.6625E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0967E-04	0.00E+00
346	ALL	680186.50	4157689.75	8.8760E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0075E-04	0.00E+00
347	ALL	680227.16	4157673.21	9.8524E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1183E-04	0.00E+00
348	ALL	680267.82	4157656.67	1.1234E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2751E-04	0.00E+00
349	ALL	680308.49	4157640.13	1.2783E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4509E-04	0.00E+00
350	ALL	680349.15	4157623.59	1.4605E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6578E-04	0.00E+00
351	ALL	680389.81	4157607.06	1.7106E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9416E-04	0.00E+00
352	ALL	680424.73	4157580.26	1.8825E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1368E-04	0.00E+00
353	ALL	680041.74	4158029.35	2.1615E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4535E-04	0.00E+00
354	ALL	680037.92	4158068.34	2.5575E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9029E-04	0.00E+00
355	ALL	680037.79	4158090.66	2.9210E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3155E-04	0.00E+00
356	ALL	680037.52	4158135.28	4.0694E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6190E-04	0.00E+00
357	ALL	679996.71	4157981.19	1.5862E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8004E-04	0.00E+00
358	ALL	680013.50	4157941.35	1.5260E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7321E-04	0.00E+00
359	ALL	680030.29	4157901.50	1.4642E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6620E-04	0.00E+00
360	ALL	680047.08	4157861.66	1.3598E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5434E-04	0.00E+00
361	ALL	680063.87	4157821.81	1.2129E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3768E-04	0.00E+00
362	ALL	680080.66	4157781.97	1.0548E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1973E-04	0.00E+00
363	ALL	680097.45	4157742.13	9.1055E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0335E-04	0.00E+00
364	ALL	680114.24	4157702.28	7.9324E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.0037E-05	0.00E+00
365	ALL	680151.06	4157654.29	7.3072E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2941E-05	0.00E+00
366	ALL	680191.11	4157638.00	7.9940E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.0736E-05	0.00E+00
367	ALL	680231.16	4157621.72	9.0165E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0234E-04	0.00E+00
368	ALL	680271.21	4157605.43	1.0162E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1534E-04	0.00E+00
369	ALL	680311.26	4157589.14	1.1374E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2910E-04	0.00E+00
370	ALL	680351.31	4157572.85	1.2879E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4618E-04	0.00E+00
371	ALL	680391.36	4157556.56	1.4893E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6904E-04	0.00E+00
372	ALL	680428.74	4157533.59	1.6524E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8755E-04	0.00E+00
373	ALL	679988.19	4158023.42	1.7508E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9873E-04	0.00E+00
374	ALL	679987.92	4158068.05	2.1036E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3877E-04	0.00E+00
375	ALL	679987.65	4158112.67	2.7121E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0784E-04	0.00E+00
376	ALL	679987.39	4158157.29	3.7535E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2605E-04	0.00E+00
377	ALL	680435.72	4158214.48	5.1900E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8909E-03	0.00E+00
378	ALL	680413.07	4158191.85	6.8413E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.7652E-03	0.00E+00
379	ALL	680407.92	4158247.95	3.2727E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7147E-03	0.00E+00
380	ALL	680379.61	4158219.66	4.3904E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9834E-03	0.00E+00
381	ALL	680421.15	4158264.33	2.5611E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9070E-03	0.00E+00
382	ALL	680364.04	4158236.38	3.5564E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0367E-03	0.00E+00
383	ALL	680348.21	4158197.86	4.3156E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8984E-03	0.00E+00
384	ALL	680412.23	4158294.60	1.8267E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0734E-03	0.00E+00
385	ALL	680374.77	4158279.23	2.3439E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6605E-03	0.00E+00
386	ALL	680348.35	4158252.83	2.9445E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3421E-03	0.00E+00
387	ALL	680332.96	4158215.38	3.6613E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1558E-03	0.00E+00
388	ALL	680317.58	4158177.94	3.5849E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0690E-03	0.00E+00
389	ALL	680425.75	4158322.59	1.2551E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4246E-03	0.00E+00
390	ALL	680382.95	4158305.03	1.7860E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0272E-03	0.00E+00
391	ALL	680322.55	4158244.67	2.9327E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3287E-03	0.00E+00
392	ALL	680304.97	4158201.87	3.2592E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6994E-03	0.00E+00
393	ALL	680407.35	4158364.90	9.1926E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0434E-03	0.00E+00
394	ALL	680366.33	4158348.07	1.2468E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4152E-03	0.00E+00
395	ALL	680325.31	4158331.25	1.5074E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7110E-03	0.00E+00
396	ALL	680296.37	4158302.33	1.8207E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0666E-03	0.00E+00
397	ALL	680279.52	4158261.31	2.3110E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6232E-03	0.00E+00
398	ALL	680262.66	4158220.30	2.5104E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8495E-03	0.00E+00
399	ALL	680492.30	4158389.99	4.4130E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0090E-04	0.00E+00
400	ALL	680515.71	4158389.84	3.7269E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2302E-04	0.00E+00
401	ALL	680539.12	4158389.69	3.2395E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6770E-04	0.00E+00
402	ALL	680562.53	4158389.53	2.9244E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3193E-04	0.00E+00
403	ALL	680585.94	4158389.38	2.6792E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0410E-04	0.00E+00
404	ALL	680409.28	4158415.56	6.0781E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.8990E-04	0.00E+00
405	ALL	680369.33	4158399.17	8.0892E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1817E-04	0.00E+00
406	ALL	680329.38	4158382.78	1.0265E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1651E-03	0.00E+00
407	ALL	680289.43	4158366.39	1.1808E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3403E-03	0.00E+00
408	ALL	680261.24	4158338.23	1.3780E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5641E-03	0.00E+00
409	ALL	680244.83	4158298.28	1.7185E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9505E-03	0.00E+00
410	ALL	680228.42	4158258.34	1.9866E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2549E-03	0.00E+00
411	ALL	680212.00	4158218.40	1.9309E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1917E-03	0.00E+00
412	ALL	680195.59	4158178.45	1.5553E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7653E-03	0.00E+00
413	ALL	680492.63	4158439.99	3.1675E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5953E-04	0.00E+00
414	ALL	680516.04	4158439.84	2.7041E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0693E-04	0.00E+00
415	ALL	680539.45	4158439.68	2.3804E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7018E-04	0.00E+00
416	ALL	680562.86	4158439.53	2.1825E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4772E-04	0.00E+00
417	ALL	680586.27	4158439.38	2.0505E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3274E-04	0.00E+00
418	ALL	680426.73	4158472.58	3.8791E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4030E-04	0.00E+00
419	ALL	680405.33	4158463.80	4.4843E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0899E-04	0.00E+00
420	ALL	680383.93	4158455.02	5.1467E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8418E-04	0.00E+00

421	ALL	680362.52	4158446.24	5.8889E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.6842E-04	0.00E+00
422	ALL	680341.12	4158437.46	6.7206E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6282E-04	0.00E+00
423	ALL	680319.72	4158428.68	7.5912E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.6164E-04	0.00E+00
424	ALL	680298.31	4158419.90	8.3920E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.5254E-04	0.00E+00
425	ALL	680276.91	4158411.12	9.0294E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0249E-03	0.00E+00
426	ALL	680255.51	4158402.34	9.4913E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0773E-03	0.00E+00
427	ALL	680225.31	4158372.17	1.0947E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2426E-03	0.00E+00
428	ALL	680216.52	4158350.77	1.2211E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3860E-03	0.00E+00
429	ALL	680207.73	4158329.37	1.3610E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5448E-03	0.00E+00
430	ALL	680198.93	4158307.97	1.4982E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7006E-03	0.00E+00
431	ALL	680190.14	4158286.57	1.6048E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8215E-03	0.00E+00
432	ALL	680181.35	4158265.18	1.6509E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8738E-03	0.00E+00
433	ALL	680172.56	4158243.78	1.6189E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8375E-03	0.00E+00
434	ALL	680163.76	4158222.38	1.5103E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7143E-03	0.00E+00
435	ALL	680154.97	4158200.98	1.3406E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5216E-03	0.00E+00
436	ALL	680146.18	4158179.58	1.1322E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2851E-03	0.00E+00
437	ALL	680469.54	4158490.14	2.7936E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1709E-04	0.00E+00
438	ALL	680492.95	4158489.99	2.3865E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7088E-04	0.00E+00
439	ALL	680516.36	4158489.84	2.0572E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3351E-04	0.00E+00
440	ALL	680539.78	4158489.68	1.8222E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0683E-04	0.00E+00
441	ALL	680563.19	4158489.53	1.6801E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9070E-04	0.00E+00
442	ALL	680586.60	4158489.38	1.6020E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8184E-04	0.00E+00
443	ALL	680407.31	4158514.48	3.3338E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7841E-04	0.00E+00
444	ALL	680386.45	4158505.92	3.7718E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2812E-04	0.00E+00
445	ALL	680365.60	4158497.37	4.2404E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8131E-04	0.00E+00
446	ALL	680344.74	4158488.81	4.7627E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4059E-04	0.00E+00
447	ALL	680323.89	4158480.26	5.3549E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.0781E-04	0.00E+00
448	ALL	680282.18	4158463.15	6.6208E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.5149E-04	0.00E+00
449	ALL	680261.32	4158454.59	7.1511E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.1168E-04	0.00E+00
450	ALL	680240.47	4158446.04	7.5511E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.5709E-04	0.00E+00
451	ALL	680190.19	4158408.08	8.8595E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0056E-03	0.00E+00
452	ALL	680173.06	4158366.38	1.0768E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2222E-03	0.00E+00
453	ALL	680164.49	4158345.53	1.1832E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3430E-03	0.00E+00
454	ALL	680147.36	4158303.83	1.3562E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5393E-03	0.00E+00
455	ALL	680130.22	4158262.13	1.3601E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5438E-03	0.00E+00
456	ALL	680121.66	4158241.29	1.2783E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4509E-03	0.00E+00
457	ALL	680104.52	4158199.59	9.9035E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1241E-03	0.00E+00
458	ALL	680469.87	4158540.14	2.1699E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4630E-04	0.00E+00
459	ALL	680493.28	4158539.99	1.8629E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1145E-04	0.00E+00
460	ALL	680516.69	4158539.84	1.6168E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8351E-04	0.00E+00
461	ALL	680540.10	4158539.68	1.4410E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6356E-04	0.00E+00
462	ALL	680563.52	4158539.53	1.3326E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5125E-04	0.00E+00
463	ALL	680586.93	4158539.38	1.2782E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4508E-04	0.00E+00
464	ALL	680408.84	4158564.97	2.5779E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9261E-04	0.00E+00
465	ALL	680367.94	4158548.19	3.2199E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6548E-04	0.00E+00
466	ALL	680327.03	4158531.41	3.9417E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4740E-04	0.00E+00
467	ALL	680286.13	4158514.63	4.8608E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5172E-04	0.00E+00
468	ALL	680245.22	4158497.85	5.7964E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5793E-04	0.00E+00
469	ALL	680204.32	4158481.08	6.4089E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.2744E-04	0.00E+00
470	ALL	680155.01	4158443.85	7.3471E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3394E-04	0.00E+00
471	ALL	680138.21	4158402.95	8.7587E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.9416E-04	0.00E+00
472	ALL	680121.41	4158362.06	1.0385E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1788E-03	0.00E+00
473	ALL	680104.60	4158321.17	1.1643E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3216E-03	0.00E+00
474	ALL	680087.80	4158280.27	1.1618E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3187E-03	0.00E+00
475	ALL	680070.99	4158239.38	9.9756E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1323E-03	0.00E+00
476	ALL	680054.19	4158198.48	7.3686E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3637E-04	0.00E+00
477	ALL	680493.61	4158589.99	1.4850E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6855E-04	0.00E+00
478	ALL	680517.02	4158589.83	1.3022E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4781E-04	0.00E+00
479	ALL	680540.43	4158589.68	1.1665E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3240E-04	0.00E+00
480	ALL	680563.84	4158589.53	1.0814E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2275E-04	0.00E+00
481	ALL	680587.25	4158589.37	1.0405E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1810E-04	0.00E+00
482	ALL	680610.67	4158589.22	1.0258E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1643E-04	0.00E+00
483	ALL	680449.12	4158631.36	1.5979E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8137E-04	0.00E+00
484	ALL	680427.72	4158622.58	1.8402E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0887E-04	0.00E+00
485	ALL	680406.31	4158613.80	2.0884E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3704E-04	0.00E+00
486	ALL	680384.91	4158605.02	2.3446E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6612E-04	0.00E+00
487	ALL	680363.51	4158596.24	2.6061E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9580E-04	0.00E+00
488	ALL	680342.10	4158587.46	2.8747E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2629E-04	0.00E+00
489	ALL	680320.70	4158578.68	3.1605E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5873E-04	0.00E+00
490	ALL	680299.30	4158569.90	3.4844E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9550E-04	0.00E+00
491	ALL	680277.89	4158561.12	3.8610E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3825E-04	0.00E+00
492	ALL	680256.49	4158552.34	4.2745E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8518E-04	0.00E+00
493	ALL	680235.09	4158543.56	4.6806E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3127E-04	0.00E+00
494	ALL	680213.68	4158534.78	5.0299E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7092E-04	0.00E+00
495	ALL	680192.28	4158526.00	5.3000E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.0158E-04	0.00E+00
496	ALL	680170.88	4158517.22	5.4921E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2338E-04	0.00E+00
497	ALL	680149.47	4158508.44	5.6352E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.3963E-04	0.00E+00
498	ALL	680119.28	4158478.26	6.2440E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.0873E-04	0.00E+00
499	ALL	680110.48	4158456.87	6.7902E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.7072E-04	0.00E+00
500	ALL	680101.69	4158435.47	7.4044E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.4044E-04	0.00E+00
501	ALL	680092.90	4158414.07	8.0731E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1633E-04	0.00E+00
502	ALL	680084.11	4158392.67	8.7641E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.9477E-04	0.00E+00
503	ALL	680075.31	4158371.27	9.4170E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0689E-03	0.00E+00
504	ALL	680066.52	4158349.88	9.9398E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1282E-03	0.00E+00
505	ALL	680057.73	4158328.48	1.0226E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1607E-03	0.00E+00
506	ALL	680048.94	4158307.08	1.0185E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1560E-03	0.00E+00
507	ALL	680040.14	4158285.68	9.7771E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1098E-03	0.00E+00
508	ALL	680031.35	4158264.28	9.0253E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0244E-03	0.00E+00

509	ALL	680022.56	4158242.88	8.0105E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.0923E-04	0.00E+00
510	ALL	680013.77	4158221.49	6.8554E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.7812E-04	0.00E+00
511	ALL	680004.97	4158200.09	5.6925E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4613E-04	0.00E+00
512	ALL	679996.18	4158178.69	4.6356E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2616E-04	0.00E+00
513	ALL	680470.52	4158640.14	1.3791E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5654E-04	0.00E+00
514	ALL	680493.94	4158639.99	1.2143E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3783E-04	0.00E+00
515	ALL	680517.35	4158639.83	1.0732E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2181E-04	0.00E+00
516	ALL	680540.76	4158639.68	9.6559E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0960E-04	0.00E+00
517	ALL	680564.17	4158639.53	8.9576E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0167E-04	0.00E+00
518	ALL	680587.58	4158639.37	8.6134E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.7766E-05	0.00E+00
519	ALL	680610.99	4158639.22	8.5216E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.6725E-05	0.00E+00
520	ALL	680402.95	4157964.52	1.1574E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3137E-03	0.00E+00
521	ALL	680429.52	4157942.32	1.3036E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4796E-03	0.00E+00
522	ALL	680450.60	4157636.84	2.6401E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9967E-04	0.00E+00
523	ALL	680414.64	4157620.68	2.0429E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3188E-04	0.00E+00
524	ALL	680452.34	4157567.05	2.0466E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3230E-04	0.00E+00
525	ALL	680435.00	4157556.91	1.8290E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0760E-04	0.00E+00
526	ALL	680329.82	4157758.50	1.9994E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2694E-04	0.00E+00
527	ALL	680026.50	4158082.06	2.6369E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9930E-04	0.00E+00
528	ALL	680041.32	4158060.13	2.4829E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8182E-04	0.00E+00
529	ALL	680035.99	4158009.75	1.9683E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2341E-04	0.00E+00
530	ALL	680000.42	4158005.30	1.7181E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9501E-04	0.00E+00
531	ALL	679995.98	4158039.98	1.9124E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1707E-04	0.00E+00
532	ALL	680002.63	4157956.26	1.5246E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7305E-04	0.00E+00
533	ALL	680034.36	4157913.72	1.5250E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7310E-04	0.00E+00
534	ALL	680051.45	4157887.92	1.4917E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6932E-04	0.00E+00
535	ALL	680264.49	4157967.77	4.3729E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9635E-04	0.00E+00
536	ALL	680257.16	4157893.15	2.7554E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1275E-04	0.00E+00
537	ALL	680422.92	4158244.63	3.3343E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7846E-03	0.00E+00
538	ALL	680485.15	4158370.56	5.3934E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1218E-04	0.00E+00
539	ALL	680540.58	4158375.85	3.5321E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0091E-04	0.00E+00
540	ALL	680503.29	4158368.79	4.7454E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3863E-04	0.00E+00
541	ALL	680395.21	4158405.44	6.9628E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.9031E-04	0.00E+00
542	ALL	680430.80	4158417.35	5.4204E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1524E-04	0.00E+00
543	ALL	680431.57	4158399.87	6.1285E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9562E-04	0.00E+00
544	ALL	680397.08	4158581.66	2.4946E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8316E-04	0.00E+00
545	ALL	680552.12	4158633.24	9.4819E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0762E-04	0.00E+00
546	ALL	680504.69	4158638.57	1.1516E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3071E-04	0.00E+00
547	ALL	680423.46	4158586.40	2.2055E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5033E-04	0.00E+00
548	ALL	680423.17	4158538.08	2.7683E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1421E-04	0.00E+00
549	ALL	680425.54	4158520.29	2.9980E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4028E-04	0.00E+00
550	ALL	680472.16	4158438.52	3.6974E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1967E-04	0.00E+00

HARP2 - HRACalc (dated 22118) 2/13/2026 3:06:28 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 0.99

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 0.99
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True

Beef: False
Dairy: False
Pig: False
Chicken: True
Egg: True

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
PIG, CHICKEN, & EGG PATHWAY SETTINGS

Surface area (m^2): 0
Volume (kg): 0

```
Volume changes per year: 0

Pig
Fraction consumed from contaminated water source: 0
Fraction consumed of contaminated leafy crop: 0.25
Fraction consumed of contaminated exposed crop: 0.25
Fraction consumed of contaminated protected crop: 0.25
Fraction consumed of contaminated root crop: 0.25

Chicken
Fraction consumed from contaminated water source: 0
Fraction consumed of contaminated leafy crop: 0.25
Fraction consumed of contaminated exposed crop: 0.25
Fraction consumed of contaminated protected crop: 0.25
Fraction consumed of contaminated root crop: 0.25

Egg
Fraction consumed from contaminated water source: 0
Fraction consumed of contaminated leafy crop: 0.25
Fraction consumed of contaminated exposed crop: 0.25
Fraction consumed of contaminated protected crop: 0.25
Fraction consumed of contaminated root crop: 0.25

**********
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment.  Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: F:\HRA\0006-010\HARP\01 - KEYES UNMIT
CON\hra\Unmit ConCancerRisk.csv
Cancer risk total by receptor saved to: F:\HRA\0006-010\HARP\01 - KEYES UNMIT CON\hra\Unmit
ConCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: F:\HRA\0006-010\HARP\01 - KEYES UNMIT
CON\hra\Unmit ConNCChronicRisk.csv
Chronic risk total by receptor saved to: F:\HRA\0006-010\HARP\01 - KEYES UNMIT CON\hra\Unmit
ConNCChronicRiskSumByRec.csv
Calculating acute risk
```

```
Acute risk breakdown by pollutant and receptor saved to: F:\HRA\0006-010\HARP\01 - KEYES UNMIT CON\hra\Unmit
ConNCAcuteRisk.csv
Acute risk total by receptor saved to: F:\HRA\0006-010\HARP\01 - KEYES UNMIT CON\hra\Unmit
ConNCAcuteRiskSumByRec.csv
HRA ran successfully
```

Health Risk Assessment

Mitigated Construction

Keyes-Central Commercial Development Project (Mitigated Construction – Tier 4 Scenario)

Estimation of Annual Onsite Construction Emissions

Start of Construction	11/2/2026	
End of Construction	10/28/2027	**Total**
Number of Days	360	360
Number of Hours	8,640	8,640

Size of the construction area source: **14,850.9** **sq-meters**

Run	Year	On-site Construction Activity	Tier 4 Mitigated On-site DPM (pounds)
Project Construction	2026	Demolition	0.7849
Project Construction	2026	Site Preparation	0.1539
Project Construction	2026	Grading	0.9237
Project Construction	2026	Paving	1.0752
Project Construction	2026	Building Construction	0.6403
Project Construction	2027	Building Construction	12.4140
Project Construction	2027	Architectural Coating	0.3810

Total Tier 4 Mitigated Scenario DPM (On-site) 1.637E+01 pounds

Factor in AERMOD to Account for 5 days per week/8 hours per day: 4.2

Average Emission for Construction Site	7.433E+03	grams
	2.390E-04	grams/sec
	1.609E-08	grams/m2-sec

Pounds/Construction Period	1.637E+01
Pounds/Day	4.548E-02
Pounds/Hour	1.895E-03
Pounds/Year	1.660E+01
Years	0.98630

Keyes-Central Commercial Development Project (Mitigated Construction – Tier 4 Scenario)

Estimation of Annual Off-Site Construction DPM Emissions (No Change Compared to the Unmitigated Scenario)

Start of Construction		11/2/2026					
End of Construction		10/28/2027					**Total**
Number of Days		360					360
Number of Hours		8,640					8,640
	2026	2026	2026	2026	2026-2027	2027	
Construction Trip Type	Demolition	Site Preparation	Grading	Paving	Building Construction	Architectural Coating	**Total (pounds)**
Total (pounds)	0.05894	0.00379	1.67876	0.01265	0.15959	0.02529	**1.93902**

	Haul Truck	**Vendor Truck**	**Worker**	**Total**
Demolition	35	40	125	200
Site Preparation	0.00	12	23	35
Grading	1,250	80	200	1,530
Paving	0	40	150	190
Building Construction	0.00	505	1,151	1,655
Architectural Coating	0.00	80	40	120
Total	**1,285**	**757**	**1,688**	**3,730**

	Haul Truck (pounds)	**Vendor Truck (pounds)**	**Worker (pounds)**	**Total (pounds)**
Total DPM	6.680E-01	3.934E-01	8.776E-01	1.939E+00
Average Emissions				
Grams	3.033E+02	1.786E+02	3.984E+02	
Grams/sec	9.751E-06	5.743E-06	1.281E-05	
Default Distance	20	7.17	10.79	Default Vehicle Travel Distance in CalEEMod

Vehicle Travel Distances in the Construction HRA (miles)					
Off-site Road Segment 1	0.31	0.31	0.31	miles	Keyes Road – East
Off-site Road Segment 2	0.35	0.35	0.35	miles	Keyes Road – West
Off-site Road Segment 3	0.46	0.46	0.46	miles	Central Avenue – North
Off-site Road Segment 4	0.37	0.37	0.37	miles	Central Avenue – South
On-site	0.15	0.15	0.15	miles	On-site
Trip Distribution (percent)					
Off-site Road Segment 1	30.0%	30.0%	30.0%	off-site	Keyes Road – East
Off-site Road Segment 2	5.0%	5.0%	5.0%	off-site	Keyes Road – West
Off-site Road Segment 3	50.0%	50.0%	50.0%	off-site	Central Avenue – North
Off-site Road Segment 4	15.0%	15.0%	15.0%	on-site	Central Avenue – South
On-site	100.0%	100.0%	100.0%	on-site	On-site

Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
Off-site Road Segment 1	4.540E-08	7.459E-08	1.106E-07	2.306E-07
Off-site Road Segment 2	8.576E-09	1.409E-08	2.088E-08	4.355E-08
Off-site Road Segment 3	1.114E-07	1.830E-07	2.713E-07	5.657E-07
Off-site Road Segment 4	2.717E-08	4.463E-08	6.615E-08	1.379E-07
On-site	7.254E-08	1.192E-07	1.766E-07	3.683E-07

	Grams/sec	Pounds/Hour	Pounds/Day	Pounds/year	Tons/year
Off-site Road Segment 1	2.306E-07	1.830E-06	4.392E-05	1.603E-02	8.015E-06
Off-site Road Segment 2	4.355E-08	3.456E-07	8.295E-06	3.028E-03	1.514E-06
Off-site Road Segment 3	5.657E-07	4.489E-06	1.077E-04	3.879E-02	1.939E-05
Off-site Road Segment 4	1.379E-07	1.095E-06	2.628E-05	9.459E-03	4.730E-06
On-site	3.683E-07	2.923E-06	7.016E-05	2.526E-02	1.263E-05

Health Risk Summary - Unmitigated Construction (Summary of HARP2 Results)
Keyes-Central Commercial Development Project (Mitigated Construction – Tier 4 Scenario)

	RISK_SUM	Cancer Risk/million	MAXHI NonCancer Chronic	MAXHI Acute
Maximum Risk	1.7437E-06	1.74	1.9792E-03	0.00E+00

	X	Y
MER UTM	680430.54	4158077.83
Lat/Long	37°33'07.4"N	120°57'26.6"W

Receptor #244

*HARP - HRACalc v22118 2/16/2026 3:29:05 PM - Cancer Risk - Input File: F:\HRA\0006-010\HARP\04 - KEYES T4 Mit CON\hra\T4 Mit ConHRAInput.hra
*HARP - HRACalc v22118 2/16/2026 3:29:05 PM - Chronic Risk - Input File: F:\HRA\0006-010\HARP\04 - KEYES T4 Mit CON\hra\T4 Mit ConHRAInput.hra
*HARP - HRACalc v22118 2/16/2026 3:29:05 PM - Acute Risk - Input File: F:\HRA\0006-010\HARP\04 - KEYES T4 Mit CON\hra\T4 Mit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
1	ALL	680829.36	4158182.03	6.6732E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.5745E-05	0.00E+00
2	ALL	680812.41	4158222.11	6.1582E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9899E-05	0.00E+00
3	ALL	680795.46	4158262.19	5.3369E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.0577E-05	0.00E+00
4	ALL	680778.52	4158302.27	4.4384E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0378E-05	0.00E+00
5	ALL	680749.96	4158330.67	3.9906E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5296E-05	0.00E+00
6	ALL	680709.78	4158347.40	3.8367E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3549E-05	0.00E+00
7	ALL	680669.61	4158364.13	3.7826E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2934E-05	0.00E+00
8	ALL	680629.44	4158380.86	4.1416E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7010E-05	0.00E+00
9	ALL	680838.10	4158139.94	7.3838E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3809E-05	0.00E+00
10	ALL	680838.63	4158095.85	8.5244E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.6756E-05	0.00E+00
11	ALL	680839.15	4158051.75	1.0108E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1473E-04	0.00E+00
12	ALL	680879.58	4158182.10	5.4334E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1671E-05	0.00E+00
13	ALL	680863.07	4158221.14	5.1823E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8821E-05	0.00E+00
14	ALL	680846.57	4158260.17	4.7083E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3442E-05	0.00E+00
15	ALL	680830.06	4158299.21	4.0534E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6008E-05	0.00E+00
16	ALL	680813.55	4158338.24	3.4375E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9018E-05	0.00E+00
17	ALL	680785.74	4158365.90	3.1149E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5356E-05	0.00E+00
18	ALL	680746.62	4158382.20	2.9802E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3827E-05	0.00E+00
19	ALL	680707.49	4158398.49	2.8724E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2603E-05	0.00E+00
20	ALL	680668.37	4158414.78	2.9970E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4017E-05	0.00E+00
21	ALL	680629.25	4158431.08	3.3503E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8027E-05	0.00E+00
22	ALL	680888.09	4158140.54	5.8105E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5952E-05	0.00E+00
23	ALL	680888.62	4158096.44	6.4345E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.3034E-05	0.00E+00
24	ALL	680889.15	4158052.35	7.3024E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2886E-05	0.00E+00
25	ALL	680929.72	4158182.35	4.4981E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1055E-05	0.00E+00
26	ALL	680913.51	4158220.69	4.3880E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9806E-05	0.00E+00
27	ALL	680897.30	4158259.03	4.1233E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6802E-05	0.00E+00
28	ALL	680881.09	4158297.37	3.6766E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1731E-05	0.00E+00
29	ALL	680864.88	4158335.70	3.1849E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6150E-05	0.00E+00
30	ALL	680848.67	4158374.04	2.7489E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1201E-05	0.00E+00
31	ALL	680821.35	4158401.21	2.5110E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8501E-05	0.00E+00
32	ALL	680782.92	4158417.21	2.4029E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7274E-05	0.00E+00
33	ALL	680744.50	4158433.21	2.2878E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5968E-05	0.00E+00
34	ALL	680706.07	4158449.22	2.2999E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6105E-05	0.00E+00
35	ALL	680667.65	4158465.22	2.5157E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8554E-05	0.00E+00
36	ALL	680629.22	4158481.22	2.7509E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1224E-05	0.00E+00
37	ALL	680938.09	4158141.14	4.6837E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3162E-05	0.00E+00
38	ALL	680938.62	4158097.04	5.0249E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7036E-05	0.00E+00
39	ALL	680939.15	4158052.95	5.5601E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.3110E-05	0.00E+00
40	ALL	680979.82	4158182.70	3.7671E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2759E-05	0.00E+00
41	ALL	680963.82	4158220.54	3.7488E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2551E-05	0.00E+00
42	ALL	680947.82	4158258.38	3.6131E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1011E-05	0.00E+00
43	ALL	680931.82	4158296.22	3.3261E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7753E-05	0.00E+00
44	ALL	680915.82	4158334.06	2.9458E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3437E-05	0.00E+00
45	ALL	680899.82	4158371.90	2.5829E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9317E-05	0.00E+00
46	ALL	680883.82	4158409.74	2.2622E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5677E-05	0.00E+00
47	ALL	680856.86	4158436.56	2.0798E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3607E-05	0.00E+00
48	ALL	680818.93	4158452.35	1.9870E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2553E-05	0.00E+00
49	ALL	680781.00	4158468.15	1.8860E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1407E-05	0.00E+00
50	ALL	680743.08	4158483.94	1.8475E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0970E-05	0.00E+00
51	ALL	680705.15	4158499.74	1.9588E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2234E-05	0.00E+00
52	ALL	680667.23	4158515.53	2.1697E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4627E-05	0.00E+00
53	ALL	680629.30	4158531.32	2.2715E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5783E-05	0.00E+00
54	ALL	680988.09	4158141.74	3.8360E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3541E-05	0.00E+00
55	ALL	680988.62	4158097.64	4.0295E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5737E-05	0.00E+00
56	ALL	680989.14	4158053.55	4.3928E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9860E-05	0.00E+00
57	ALL	681029.37	4158184.37	3.1933E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6245E-05	0.00E+00
58	ALL	681012.47	4158224.33	3.2269E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6627E-05	0.00E+00
59	ALL	680995.57	4158264.29	3.1545E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5805E-05	0.00E+00
60	ALL	680978.67	4158304.26	2.9398E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3368E-05	0.00E+00
61	ALL	680961.77	4158344.22	2.6247E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9791E-05	0.00E+00
62	ALL	680944.88	4158384.18	2.3132E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6257E-05	0.00E+00
63	ALL	680927.98	4158424.15	2.0432E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3192E-05	0.00E+00
64	ALL	680891.05	4158472.45	1.7575E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9949E-05	0.00E+00
65	ALL	680851.00	4158489.13	1.6732E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8992E-05	0.00E+00
66	ALL	680810.94	4158505.81	1.5794E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7926E-05	0.00E+00
67	ALL	680770.89	4158522.50	1.5352E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7425E-05	0.00E+00
68	ALL	680730.83	4158539.18	1.6181E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8366E-05	0.00E+00

69	ALL	680690.78	4158555.86	1.8014E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0447E-05	0.00E+00
70	ALL	680650.72	4158572.54	1.9008E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1575E-05	0.00E+00
71	ALL	681038.08	4158142.34	3.1868E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6172E-05	0.00E+00
72	ALL	681038.61	4158098.24	3.3023E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7483E-05	0.00E+00
73	ALL	681039.14	4158054.15	3.5492E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0286E-05	0.00E+00
74	ALL	681079.49	4158184.66	2.7327E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1018E-05	0.00E+00
75	ALL	681062.85	4158224.03	2.8052E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1841E-05	0.00E+00
76	ALL	681046.20	4158263.39	2.7944E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1717E-05	0.00E+00
77	ALL	681029.56	4158302.75	2.6682E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0286E-05	0.00E+00
78	ALL	681012.92	4158342.11	2.4376E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7668E-05	0.00E+00
79	ALL	680996.27	4158381.48	2.1751E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4689E-05	0.00E+00
80	ALL	680979.63	4158420.84	1.9428E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2051E-05	0.00E+00
81	ALL	680962.98	4158460.20	1.7397E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9747E-05	0.00E+00
82	ALL	680926.61	4158507.78	1.5182E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7232E-05	0.00E+00
83	ALL	680887.16	4158524.21	1.4451E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6403E-05	0.00E+00
84	ALL	680847.71	4158540.64	1.3582E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5416E-05	0.00E+00
85	ALL	680808.25	4158557.07	1.2998E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4753E-05	0.00E+00
86	ALL	680768.80	4158573.50	1.3281E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5074E-05	0.00E+00
87	ALL	680729.35	4158589.93	1.4584E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6553E-05	0.00E+00
88	ALL	680689.90	4158606.36	1.5982E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8140E-05	0.00E+00
89	ALL	680650.45	4158622.79	1.6152E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8333E-05	0.00E+00
90	ALL	681088.08	4158142.94	2.6897E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0529E-05	0.00E+00
91	ALL	681088.61	4158098.84	2.7687E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1427E-05	0.00E+00
92	ALL	681089.14	4158054.75	2.9389E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3359E-05	0.00E+00
93	ALL	681089.67	4158010.65	3.2446E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6827E-05	0.00E+00
94	ALL	680629.68	4157877.99	1.1467E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3016E-03	0.00E+00
95	ALL	680667.86	4157894.16	1.2188E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3833E-03	0.00E+00
96	ALL	680587.02	4157869.75	9.0916E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0319E-03	0.00E+00
97	ALL	680563.46	4157869.59	7.5729E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.5957E-04	0.00E+00
98	ALL	680539.89	4157869.44	5.8458E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.6352E-04	0.00E+00
99	ALL	680516.33	4157869.28	4.2505E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8246E-04	0.00E+00
100	ALL	680492.76	4157869.13	3.0139E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4209E-04	0.00E+00
101	ALL	680629.30	4157855.26	8.9906E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0205E-03	0.00E+00
102	ALL	680666.42	4157870.99	1.0193E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1569E-03	0.00E+00
103	ALL	680703.54	4157886.71	9.3014E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0558E-03	0.00E+00
104	ALL	680729.61	4157913.27	7.7043E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.7448E-04	0.00E+00
105	ALL	680587.17	4157847.25	6.8319E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.7546E-04	0.00E+00
106	ALL	680563.61	4157847.09	5.6202E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.3792E-04	0.00E+00
107	ALL	680540.04	4157846.94	4.3550E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9431E-04	0.00E+00
108	ALL	680516.48	4157846.78	3.2441E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6822E-04	0.00E+00
109	ALL	680492.91	4157846.63	2.3926E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7157E-04	0.00E+00
110	ALL	680653.31	4157842.87	8.1366E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.2355E-04	0.00E+00
111	ALL	680695.73	4157860.84	8.4464E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.5872E-04	0.00E+00
112	ALL	680755.33	4157921.56	5.4806E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2208E-04	0.00E+00
113	ALL	680610.88	4157824.90	6.0662E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.8854E-04	0.00E+00
114	ALL	680587.32	4157824.75	5.2296E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9359E-04	0.00E+00
115	ALL	680563.75	4157824.59	4.2789E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8567E-04	0.00E+00
116	ALL	680540.19	4157824.44	3.3523E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8050E-04	0.00E+00
117	ALL	680516.62	4157824.28	2.5572E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9026E-04	0.00E+00
118	ALL	680493.06	4157824.13	1.9499E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2132E-04	0.00E+00
119	ALL	680631.54	4157783.51	4.4086E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0040E-04	0.00E+00
120	ALL	680672.20	4157800.73	5.7119E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4833E-04	0.00E+00
121	ALL	680712.85	4157817.95	6.1223E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9491E-04	0.00E+00
122	ALL	680753.51	4157835.17	5.4051E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1350E-04	0.00E+00
123	ALL	680782.07	4157864.27	4.4986E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1062E-04	0.00E+00
124	ALL	680798.53	4157905.24	3.5000E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9727E-04	0.00E+00
125	ALL	680814.99	4157946.20	2.3664E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6860E-04	0.00E+00
126	ALL	680587.65	4157774.75	3.0898E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5071E-04	0.00E+00
127	ALL	680564.08	4157774.59	2.5364E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8790E-04	0.00E+00
128	ALL	680540.52	4157774.44	2.0405E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3160E-04	0.00E+00
129	ALL	680516.95	4157774.28	1.6385E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8598E-04	0.00E+00
130	ALL	680493.39	4157774.13	1.3248E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5037E-04	0.00E+00
131	ALL	680631.34	4157733.29	2.8136E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1936E-04	0.00E+00
132	ALL	680670.93	4157750.06	3.7921E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3042E-04	0.00E+00
133	ALL	680710.53	4157766.83	4.4685E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0720E-04	0.00E+00
134	ALL	680750.13	4157783.60	4.5181E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1282E-04	0.00E+00
135	ALL	680789.72	4157800.37	3.9560E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4902E-04	0.00E+00
136	ALL	680817.54	4157828.71	3.3665E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8211E-04	0.00E+00
137	ALL	680833.57	4157868.61	2.7971E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1749E-04	0.00E+00
138	ALL	680849.60	4157908.51	2.0770E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3575E-04	0.00E+00
139	ALL	680865.63	4157948.41	1.4593E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6564E-04	0.00E+00
140	ALL	680587.98	4157724.75	1.9856E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2537E-04	0.00E+00
141	ALL	680564.41	4157724.60	1.6591E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8831E-04	0.00E+00
142	ALL	680540.85	4157724.44	1.3739E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5594E-04	0.00E+00
143	ALL	680517.28	4157724.29	1.1410E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2951E-04	0.00E+00
144	ALL	680493.72	4157724.13	9.6195E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0919E-04	0.00E+00
145	ALL	680633.08	4157683.89	1.9173E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1762E-04	0.00E+00
146	ALL	680654.29	4157692.88	2.2840E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5925E-04	0.00E+00
147	ALL	680675.51	4157701.86	2.6603E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0196E-04	0.00E+00
148	ALL	680696.72	4157710.84	3.0130E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4199E-04	0.00E+00
149	ALL	680717.93	4157719.83	3.3027E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7488E-04	0.00E+00
150	ALL	680739.14	4157728.81	3.4876E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9586E-04	0.00E+00
151	ALL	680760.35	4157737.79	3.5482E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0274E-04	0.00E+00
152	ALL	680781.57	4157746.78	3.4832E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9537E-04	0.00E+00
153	ALL	680802.78	4157755.76	3.3046E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7508E-04	0.00E+00
154	ALL	680823.99	4157764.75	3.0400E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4506E-04	0.00E+00
155	ALL	680853.79	4157795.11	2.6067E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9588E-04	0.00E+00
156	ALL	680862.38	4157816.48	2.4278E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7557E-04	0.00E+00

157	ALL	680870.97	4157837.86	2.2015E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4988E-04	0.00E+00
158	ALL	680879.56	4157859.23	1.9544E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2184E-04	0.00E+00
159	ALL	680888.14	4157880.61	1.6933E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9220E-04	0.00E+00
160	ALL	680896.73	4157901.98	1.4421E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6369E-04	0.00E+00
161	ALL	680905.32	4157923.36	1.2170E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3814E-04	0.00E+00
162	ALL	680913.91	4157944.73	1.0271E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1658E-04	0.00E+00
163	ALL	680922.50	4157966.11	8.8082E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.9978E-05	0.00E+00
164	ALL	680611.87	4157674.91	1.5835E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7974E-04	0.00E+00
165	ALL	680588.31	4157674.75	1.3598E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5435E-04	0.00E+00
166	ALL	680564.74	4157674.60	1.1569E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3132E-04	0.00E+00
167	ALL	680541.18	4157674.44	9.8153E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1141E-04	0.00E+00
168	ALL	680517.61	4157674.29	8.4019E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.5366E-05	0.00E+00
169	ALL	680494.05	4157674.13	7.3189E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3074E-05	0.00E+00
170	ALL	680632.87	4157633.66	1.3430E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5244E-04	0.00E+00
171	ALL	680674.20	4157651.17	1.8478E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0973E-04	0.00E+00
172	ALL	680715.54	4157668.68	2.3686E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6884E-04	0.00E+00
173	ALL	680756.88	4157686.18	2.7431E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1136E-04	0.00E+00
174	ALL	680798.21	4157703.69	2.8163E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1967E-04	0.00E+00
175	ALL	680839.55	4157721.20	2.5834E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9323E-04	0.00E+00
176	ALL	680889.25	4157759.53	2.0891E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3712E-04	0.00E+00
177	ALL	680905.99	4157801.19	1.8296E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0767E-04	0.00E+00
178	ALL	680922.73	4157842.84	1.4855E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6861E-04	0.00E+00
179	ALL	680931.09	4157863.67	1.3087E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4854E-04	0.00E+00
180	ALL	680947.83	4157905.32	9.8065E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1131E-04	0.00E+00
181	ALL	680956.20	4157926.15	8.4367E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.5761E-05	0.00E+00
182	ALL	680972.94	4157967.80	6.5081E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.3870E-05	0.00E+00
183	ALL	680588.63	4157624.75	9.7740E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1094E-04	0.00E+00
184	ALL	680565.07	4157624.60	8.4540E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.5957E-05	0.00E+00
185	ALL	680541.50	4157624.44	7.3519E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3448E-05	0.00E+00
186	ALL	680517.94	4157624.29	6.4499E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.3210E-05	0.00E+00
187	ALL	680494.37	4157624.13	5.7692E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5484E-05	0.00E+00
188	ALL	680632.80	4157583.49	9.7990E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1122E-04	0.00E+00
189	ALL	680673.34	4157600.66	1.3257E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5047E-04	0.00E+00
190	ALL	680713.87	4157617.83	1.7156E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9473E-04	0.00E+00
191	ALL	680754.41	4157635.00	2.0707E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3504E-04	0.00E+00
192	ALL	680794.95	4157652.17	2.2784E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5861E-04	0.00E+00
193	ALL	680835.49	4157669.34	2.2733E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5803E-04	0.00E+00
194	ALL	680876.03	4157686.51	2.0729E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3529E-04	0.00E+00
195	ALL	680924.77	4157724.10	1.7105E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9415E-04	0.00E+00
196	ALL	680941.19	4157764.95	1.5343E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7415E-04	0.00E+00
197	ALL	680957.60	4157805.80	1.2953E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4703E-04	0.00E+00
198	ALL	680974.01	4157846.65	1.0428E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1836E-04	0.00E+00
199	ALL	680990.43	4157887.50	8.0558E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1438E-05	0.00E+00
200	ALL	681006.84	4157928.35	6.2013E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.0388E-05	0.00E+00
201	ALL	681023.26	4157969.20	5.0365E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7167E-05	0.00E+00
202	ALL	680588.96	4157574.75	7.3371E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3280E-05	0.00E+00
203	ALL	680565.40	4157574.60	6.4407E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.3105E-05	0.00E+00
204	ALL	680541.83	4157574.44	5.6914E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4600E-05	0.00E+00
205	ALL	680518.27	4157574.29	5.1097E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7998E-05	0.00E+00
206	ALL	680494.70	4157574.13	4.6721E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3031E-05	0.00E+00
207	ALL	680634.07	4157533.89	7.4706E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.4795E-05	0.00E+00
208	ALL	680655.28	4157542.88	8.6937E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.8678E-05	0.00E+00
209	ALL	680676.49	4157551.86	1.0069E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1429E-04	0.00E+00
210	ALL	680697.70	4157560.85	1.1568E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3130E-04	0.00E+00
211	ALL	680718.92	4157569.83	1.3139E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4913E-04	0.00E+00
212	ALL	680740.13	4157578.81	1.4711E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6698E-04	0.00E+00
213	ALL	680761.34	4157587.80	1.6196E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8383E-04	0.00E+00
214	ALL	680782.55	4157596.78	1.7479E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9840E-04	0.00E+00
215	ALL	680803.76	4157605.77	1.8429E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0918E-04	0.00E+00
216	ALL	680824.98	4157614.75	1.8996E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1562E-04	0.00E+00
217	ALL	680846.19	4157623.73	1.9119E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1701E-04	0.00E+00
218	ALL	680867.40	4157632.72	1.8799E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1338E-04	0.00E+00
219	ALL	680888.61	4157641.70	1.8105E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0550E-04	0.00E+00
220	ALL	680909.82	4157650.69	1.7115E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9427E-04	0.00E+00
221	ALL	680931.04	4157659.67	1.5945E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8098E-04	0.00E+00
222	ALL	680960.84	4157690.03	1.4227E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6148E-04	0.00E+00
223	ALL	680969.42	4157711.40	1.3623E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5462E-04	0.00E+00
224	ALL	680978.01	4157732.78	1.2870E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4608E-04	0.00E+00
225	ALL	680986.60	4157754.15	1.1989E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3608E-04	0.00E+00
226	ALL	680995.19	4157775.53	1.1014E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2501E-04	0.00E+00
227	ALL	681003.78	4157796.90	1.0023E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1377E-04	0.00E+00
228	ALL	681012.37	4157818.28	9.0278E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0247E-04	0.00E+00
229	ALL	681020.96	4157839.65	8.0525E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1400E-05	0.00E+00
230	ALL	681029.54	4157861.03	7.1214E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.0831E-05	0.00E+00
231	ALL	681038.13	4157882.40	6.2547E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.0994E-05	0.00E+00
232	ALL	681046.72	4157903.78	5.5008E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2436E-05	0.00E+00
233	ALL	681055.31	4157925.15	4.8850E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5448E-05	0.00E+00
234	ALL	681063.90	4157946.53	4.4029E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9976E-05	0.00E+00
235	ALL	681072.49	4157967.90	4.0368E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5819E-05	0.00E+00
236	ALL	681081.08	4157989.28	3.6602E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1545E-05	0.00E+00
237	ALL	680612.86	4157524.91	6.4143E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.2805E-05	0.00E+00
238	ALL	680589.29	4157524.76	5.6940E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4630E-05	0.00E+00
239	ALL	680565.73	4157524.60	5.0730E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7582E-05	0.00E+00
240	ALL	680542.16	4157524.45	4.5622E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1783E-05	0.00E+00
241	ALL	680518.60	4157524.29	4.1438E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7034E-05	0.00E+00
242	ALL	680495.03	4157524.14	3.8132E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3282E-05	0.00E+00
243	ALL	680471.47	4157523.98	3.4431E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9081E-05	0.00E+00
244	ALL	680430.54	4158077.83	1.7437E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9792E-03	0.00E+00

245	ALL	680412.13	4158105.31	1.4763E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6757E-03	0.00E+00
246	ALL	680422.91	4158070.64	1.4513E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6473E-03	0.00E+00
247	ALL	680410.30	4158086.53	1.3255E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5045E-03	0.00E+00
248	ALL	680438.57	4157973.64	3.8008E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3141E-04	0.00E+00
249	ALL	680441.02	4157960.92	3.4256E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8882E-04	0.00E+00
250	ALL	680400.41	4158070.50	9.8763E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1210E-03	0.00E+00
251	ALL	680400.15	4158115.13	1.2914E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4658E-03	0.00E+00
252	ALL	680403.34	4157974.41	2.3080E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6197E-04	0.00E+00
253	ALL	680433.61	4157908.14	1.8316E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0790E-04	0.00E+00
254	ALL	680378.05	4158048.06	4.9270E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5924E-04	0.00E+00
255	ALL	680377.78	4158092.68	8.7028E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.8781E-04	0.00E+00
256	ALL	680377.51	4158137.30	1.0386E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1789E-03	0.00E+00
257	ALL	680380.90	4157943.77	1.3852E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5723E-04	0.00E+00
258	ALL	680409.21	4157915.81	1.4464E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6418E-04	0.00E+00
259	ALL	680355.68	4158025.61	2.5374E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8800E-04	0.00E+00
260	ALL	680355.55	4158047.92	3.5768E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0599E-04	0.00E+00
261	ALL	680355.28	4158092.55	6.5056E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.3842E-04	0.00E+00
262	ALL	680355.01	4158137.17	8.2813E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.3998E-04	0.00E+00
263	ALL	680357.40	4157946.02	1.1739E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3325E-04	0.00E+00
264	ALL	680392.60	4157900.13	1.0945E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2423E-04	0.00E+00
265	ALL	680430.90	4157884.55	1.4750E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6742E-04	0.00E+00
266	ALL	680333.18	4158025.48	2.0117E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2834E-04	0.00E+00
267	ALL	680332.91	4158070.10	3.7458E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2517E-04	0.00E+00
268	ALL	680332.78	4158092.41	4.9315E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5975E-04	0.00E+00
269	ALL	680332.52	4158137.03	6.6807E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.5829E-04	0.00E+00
270	ALL	680334.23	4157947.47	1.0168E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1542E-04	0.00E+00
271	ALL	680349.84	4157910.43	8.5006E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.6486E-05	0.00E+00
272	ALL	680376.26	4157884.33	8.6027E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.7645E-05	0.00E+00
273	ALL	680413.49	4157869.19	1.0962E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2443E-04	0.00E+00
274	ALL	680310.68	4158025.34	1.6424E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8643E-04	0.00E+00
275	ALL	680310.55	4158047.66	2.1314E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4193E-04	0.00E+00
276	ALL	680310.15	4158114.59	4.7147E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3515E-04	0.00E+00
277	ALL	680310.02	4158136.90	5.4336E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1675E-04	0.00E+00
278	ALL	680311.25	4157948.47	8.9497E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0158E-04	0.00E+00
279	ALL	680326.54	4157912.18	7.5243E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.5405E-05	0.00E+00
280	ALL	680360.07	4157868.48	6.9538E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.8929E-05	0.00E+00
281	ALL	680396.54	4157853.64	8.5290E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.6808E-05	0.00E+00
282	ALL	680433.02	4157838.81	1.1153E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2660E-04	0.00E+00
283	ALL	680288.18	4158025.21	1.3708E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5559E-04	0.00E+00
284	ALL	680287.91	4158069.83	2.2582E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5632E-04	0.00E+00
285	ALL	680287.78	4158092.14	2.9761E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3780E-04	0.00E+00
286	ALL	680287.52	4158136.77	4.4437E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0438E-04	0.00E+00
287	ALL	680263.96	4157941.75	6.7814E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6972E-05	0.00E+00
288	ALL	680281.05	4157901.17	5.6837E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4513E-05	0.00E+00
289	ALL	680298.15	4157860.60	4.7247E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3628E-05	0.00E+00
290	ALL	680327.09	4157832.03	4.7016E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3365E-05	0.00E+00
291	ALL	680367.87	4157815.44	5.6541E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4177E-05	0.00E+00
292	ALL	680408.65	4157798.85	7.1533E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.1194E-05	0.00E+00
293	ALL	680238.18	4158024.91	9.7067E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1018E-04	0.00E+00
294	ALL	680237.92	4158069.53	1.4381E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6323E-04	0.00E+00
295	ALL	680237.65	4158114.16	2.3508E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6683E-04	0.00E+00
296	ALL	680237.38	4158158.78	3.3614E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8154E-04	0.00E+00
297	ALL	680213.29	4157943.03	5.4957E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2380E-05	0.00E+00
298	ALL	680229.94	4157903.52	4.7994E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4476E-05	0.00E+00
299	ALL	680246.59	4157864.01	4.0212E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5643E-05	0.00E+00
300	ALL	680263.24	4157824.50	3.4003E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8595E-05	0.00E+00
301	ALL	680291.42	4157796.67	3.3732E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8287E-05	0.00E+00
302	ALL	680331.14	4157780.51	3.9087E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4366E-05	0.00E+00
303	ALL	680370.86	4157764.36	4.6778E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3095E-05	0.00E+00
304	ALL	680410.58	4157748.21	5.7924E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5747E-05	0.00E+00
305	ALL	680188.18	4158024.61	7.2682E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2498E-05	0.00E+00
306	ALL	680188.05	4158046.93	8.3824E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.5145E-05	0.00E+00
307	ALL	680187.78	4158091.55	1.2334E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4000E-04	0.00E+00
308	ALL	680187.52	4158136.17	1.9325E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1935E-04	0.00E+00
309	ALL	680162.84	4157943.80	4.5345E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1469E-05	0.00E+00
310	ALL	680179.20	4157904.99	4.0966E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6499E-05	0.00E+00
311	ALL	680195.55	4157866.18	3.5443E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0230E-05	0.00E+00
312	ALL	680211.90	4157827.38	2.9882E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3917E-05	0.00E+00
313	ALL	680228.26	4157788.57	2.5705E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9176E-05	0.00E+00
314	ALL	680255.94	4157761.23	2.5390E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8819E-05	0.00E+00
315	ALL	680294.94	4157745.37	2.8824E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2717E-05	0.00E+00
316	ALL	680333.95	4157729.50	3.3457E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7976E-05	0.00E+00
317	ALL	680372.96	4157713.64	3.9430E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4755E-05	0.00E+00
318	ALL	680411.97	4157697.77	4.7846E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4307E-05	0.00E+00
319	ALL	680138.18	4158024.32	5.6646E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4296E-05	0.00E+00
320	ALL	680138.05	4158046.63	6.3798E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.2414E-05	0.00E+00
321	ALL	680137.78	4158091.25	8.8264E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0018E-04	0.00E+00
322	ALL	680137.52	4158135.87	1.3409E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5220E-04	0.00E+00
323	ALL	680137.39	4158158.18	1.6314E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8517E-04	0.00E+00
324	ALL	680112.53	4157944.25	3.7998E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3130E-05	0.00E+00
325	ALL	680128.67	4157905.95	3.5214E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9970E-05	0.00E+00
326	ALL	680144.81	4157867.65	3.1437E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5682E-05	0.00E+00
327	ALL	680160.95	4157829.35	2.7118E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0780E-05	0.00E+00
328	ALL	680177.09	4157791.04	2.3122E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6245E-05	0.00E+00
329	ALL	680193.23	4157752.74	2.0141E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2861E-05	0.00E+00
330	ALL	680220.55	4157725.76	1.9812E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2487E-05	0.00E+00
331	ALL	680259.05	4157710.10	2.2108E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5094E-05	0.00E+00
332	ALL	680297.55	4157694.44	2.5275E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8688E-05	0.00E+00

333	ALL	680336.05	4157678.78	2.8914E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2819E-05	0.00E+00
334	ALL	680374.56	4157663.13	3.3711E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8264E-05	0.00E+00
335	ALL	680413.06	4157647.47	4.0138E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5559E-05	0.00E+00
336	ALL	680088.18	4158024.02	4.5531E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1680E-05	0.00E+00
337	ALL	680087.92	4158068.64	5.7141E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4858E-05	0.00E+00
338	ALL	680087.65	4158113.26	7.9627E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.0381E-05	0.00E+00
339	ALL	680087.39	4158157.89	1.1770E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3359E-04	0.00E+00
340	ALL	680063.89	4157940.73	3.2076E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6408E-05	0.00E+00
341	ALL	680080.93	4157900.28	3.0087E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4151E-05	0.00E+00
342	ALL	680097.98	4157859.83	2.7206E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0880E-05	0.00E+00
343	ALL	680115.03	4157819.37	2.3659E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6855E-05	0.00E+00
344	ALL	680132.07	4157778.92	2.0197E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2925E-05	0.00E+00
345	ALL	680149.12	4157738.47	1.7361E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9706E-05	0.00E+00
346	ALL	680186.50	4157689.75	1.5953E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8108E-05	0.00E+00
347	ALL	680227.16	4157673.21	1.7709E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0101E-05	0.00E+00
348	ALL	680267.82	4157656.67	2.0192E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2919E-05	0.00E+00
349	ALL	680308.49	4157640.13	2.2985E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6089E-05	0.00E+00
350	ALL	680349.15	4157623.59	2.6283E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9832E-05	0.00E+00
351	ALL	680389.81	4157607.06	3.0839E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5004E-05	0.00E+00
352	ALL	680424.73	4157580.26	3.4052E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8651E-05	0.00E+00
353	ALL	680041.74	4158029.35	3.8857E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4105E-05	0.00E+00
354	ALL	680037.92	4158068.34	4.5843E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2034E-05	0.00E+00
355	ALL	680037.79	4158090.66	5.2308E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9372E-05	0.00E+00
356	ALL	680037.52	4158135.28	7.2779E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2608E-05	0.00E+00
357	ALL	679996.71	4157981.19	2.8497E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2346E-05	0.00E+00
358	ALL	680013.50	4157941.35	2.7379E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1077E-05	0.00E+00
359	ALL	680030.29	4157901.50	2.6253E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9798E-05	0.00E+00
360	ALL	680047.08	4157861.66	2.4376E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7668E-05	0.00E+00
361	ALL	680063.87	4157821.81	2.1749E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4687E-05	0.00E+00
362	ALL	680080.66	4157781.97	1.8922E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1477E-05	0.00E+00
363	ALL	680097.45	4157742.13	1.6341E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8548E-05	0.00E+00
364	ALL	680114.24	4157702.28	1.4241E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6164E-05	0.00E+00
365	ALL	680151.06	4157654.29	1.3120E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4892E-05	0.00E+00
366	ALL	680191.11	4157638.00	1.4353E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6291E-05	0.00E+00
367	ALL	680231.16	4157621.72	1.6186E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8372E-05	0.00E+00
368	ALL	680271.21	4157605.43	1.8240E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0704E-05	0.00E+00
369	ALL	680311.26	4157589.14	2.0419E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3177E-05	0.00E+00
370	ALL	680351.31	4157572.85	2.3125E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6249E-05	0.00E+00
371	ALL	680391.36	4157556.56	2.6758E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0371E-05	0.00E+00
372	ALL	680428.74	4157533.59	2.9713E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3726E-05	0.00E+00
373	ALL	679988.19	4158023.42	3.1467E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5716E-05	0.00E+00
374	ALL	679987.92	4158068.05	3.7715E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2808E-05	0.00E+00
375	ALL	679987.65	4158112.67	4.8546E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5103E-05	0.00E+00
376	ALL	679987.39	4158157.29	6.7117E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6181E-05	0.00E+00
377	ALL	680435.72	4158214.48	9.2861E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0540E-03	0.00E+00
378	ALL	680413.07	4158191.85	1.2218E-06	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3868E-03	0.00E+00
379	ALL	680407.92	4158247.95	5.8538E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.6443E-04	0.00E+00
380	ALL	680379.61	4158219.66	7.8399E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.8987E-04	0.00E+00
381	ALL	680421.15	4158264.33	4.5911E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2111E-04	0.00E+00
382	ALL	680364.04	4158236.38	6.3511E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.2088E-04	0.00E+00
383	ALL	680348.21	4158197.86	7.7039E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.7443E-04	0.00E+00
384	ALL	680412.23	4158294.60	3.2782E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7209E-04	0.00E+00
385	ALL	680374.77	4158279.23	4.1912E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7572E-04	0.00E+00
386	ALL	680348.35	4158252.83	5.2587E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9689E-04	0.00E+00
387	ALL	680332.96	4158215.38	6.5359E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.4186E-04	0.00E+00
388	ALL	680317.58	4158177.94	6.3996E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.2638E-04	0.00E+00
389	ALL	680425.75	4158322.59	2.2666E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5727E-04	0.00E+00
390	ALL	680382.95	4158305.03	3.1980E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6299E-04	0.00E+00
391	ALL	680322.55	4158244.67	5.2359E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9430E-04	0.00E+00
392	ALL	680304.97	4158201.87	5.8180E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.6037E-04	0.00E+00
393	ALL	680407.35	4158364.90	1.6595E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8837E-04	0.00E+00
394	ALL	680366.33	4158348.07	2.2345E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5363E-04	0.00E+00
395	ALL	680325.31	4158331.25	2.6955E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0595E-04	0.00E+00
396	ALL	680296.37	4158302.33	3.2525E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6917E-04	0.00E+00
397	ALL	680279.52	4158261.31	4.1259E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6831E-04	0.00E+00
398	ALL	680262.66	4158220.30	4.4813E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0865E-04	0.00E+00
399	ALL	680492.30	4158389.99	8.2144E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.3238E-05	0.00E+00
400	ALL	680515.71	4158389.84	6.8693E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.7970E-05	0.00E+00
401	ALL	680539.12	4158389.69	5.9343E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7357E-05	0.00E+00
402	ALL	680562.53	4158389.53	5.3319E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.0520E-05	0.00E+00
403	ALL	680585.94	4158389.38	4.8672E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5245E-05	0.00E+00
404	ALL	680409.28	4158415.56	1.1057E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2550E-04	0.00E+00
405	ALL	680369.33	4158399.17	1.4544E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6508E-04	0.00E+00
406	ALL	680329.38	4158382.78	1.8384E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0867E-04	0.00E+00
407	ALL	680289.43	4158366.39	2.1116E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3967E-04	0.00E+00
408	ALL	680261.24	4158338.23	2.4621E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7946E-04	0.00E+00
409	ALL	680244.83	4158298.28	3.0685E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4829E-04	0.00E+00
410	ALL	680228.42	4158258.34	3.5463E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0252E-04	0.00E+00
411	ALL	680212.00	4158218.40	3.4471E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9126E-04	0.00E+00
412	ALL	680195.59	4158178.45	2.7774E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1525E-04	0.00E+00
413	ALL	680492.63	4158439.99	5.9647E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7702E-05	0.00E+00
414	ALL	680516.04	4158439.84	5.0255E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7042E-05	0.00E+00
415	ALL	680539.45	4158439.68	4.3848E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9769E-05	0.00E+00
416	ALL	680562.86	4158439.53	3.9922E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5314E-05	0.00E+00
417	ALL	680586.27	4158439.38	3.7307E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2346E-05	0.00E+00
418	ALL	680426.73	4158472.58	7.2506E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2298E-05	0.00E+00
419	ALL	680405.33	4158463.80	8.2036E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.3115E-05	0.00E+00
420	ALL	680383.93	4158455.02	9.3242E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0583E-04	0.00E+00

421	ALL	680362.52	4158446.24	1.0613E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2046E-04	0.00E+00
422	ALL	680341.12	4158437.46	1.2074E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3705E-04	0.00E+00
423	ALL	680319.72	4158428.68	1.3611E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5450E-04	0.00E+00
424	ALL	680298.31	4158419.90	1.5029E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7059E-04	0.00E+00
425	ALL	680276.91	4158411.12	1.6157E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8339E-04	0.00E+00
426	ALL	680255.51	4158402.34	1.6975E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9267E-04	0.00E+00
427	ALL	680225.31	4158372.17	1.9562E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2204E-04	0.00E+00
428	ALL	680216.52	4158350.77	2.1813E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4758E-04	0.00E+00
429	ALL	680207.73	4158329.37	2.4306E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7588E-04	0.00E+00
430	ALL	680198.93	4158307.97	2.6750E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0363E-04	0.00E+00
431	ALL	680190.14	4158286.57	2.8649E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2518E-04	0.00E+00
432	ALL	680181.35	4158265.18	2.9471E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3451E-04	0.00E+00
433	ALL	680172.56	4158243.78	2.8900E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2803E-04	0.00E+00
434	ALL	680163.76	4158222.38	2.6965E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0607E-04	0.00E+00
435	ALL	680154.97	4158200.98	2.3939E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7172E-04	0.00E+00
436	ALL	680146.18	4158179.58	2.0222E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2953E-04	0.00E+00
437	ALL	680469.54	4158490.14	5.5086E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2525E-05	0.00E+00
438	ALL	680492.95	4158489.99	4.5493E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1637E-05	0.00E+00
439	ALL	680516.36	4158489.84	3.8445E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3637E-05	0.00E+00
440	ALL	680539.78	4158489.68	3.3615E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8155E-05	0.00E+00
441	ALL	680563.19	4158489.53	3.0719E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4867E-05	0.00E+00
442	ALL	680586.60	4158489.38	2.9114E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3046E-05	0.00E+00
443	ALL	680407.31	4158514.48	6.1550E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9863E-05	0.00E+00
444	ALL	680386.45	4158505.92	6.8765E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.8052E-05	0.00E+00
445	ALL	680365.60	4158497.37	7.6774E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.7142E-05	0.00E+00
446	ALL	680344.74	4158488.81	8.5864E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.7460E-05	0.00E+00
447	ALL	680323.89	4158480.26	9.6268E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0927E-04	0.00E+00
448	ALL	680282.18	4158463.15	1.1864E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3467E-04	0.00E+00
449	ALL	680261.32	4158454.59	1.2804E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4533E-04	0.00E+00
450	ALL	680240.47	4158446.04	1.3512E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5337E-04	0.00E+00
451	ALL	680190.19	4158408.08	1.5834E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7973E-04	0.00E+00
452	ALL	680173.06	4158366.38	1.9233E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1831E-04	0.00E+00
453	ALL	680164.49	4158345.53	2.1128E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3982E-04	0.00E+00
454	ALL	680147.36	4158303.83	2.4211E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7481E-04	0.00E+00
455	ALL	680130.22	4158262.13	2.4281E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7561E-04	0.00E+00
456	ALL	680121.66	4158241.29	2.2823E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5905E-04	0.00E+00
457	ALL	680104.52	4158199.59	1.7688E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0077E-04	0.00E+00
458	ALL	680469.87	4158540.14	4.3383E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9242E-05	0.00E+00
459	ALL	680493.28	4158539.99	3.5435E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0221E-05	0.00E+00
460	ALL	680516.69	4158539.84	2.9997E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4048E-05	0.00E+00
461	ALL	680540.10	4158539.68	2.6403E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9969E-05	0.00E+00
462	ALL	680563.52	4158539.53	2.4246E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7520E-05	0.00E+00
463	ALL	680586.93	4158539.38	2.3154E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6281E-05	0.00E+00
464	ALL	680408.84	4158564.97	4.8028E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4514E-05	0.00E+00
465	ALL	680367.94	4158548.19	5.8559E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.6468E-05	0.00E+00
466	ALL	680327.03	4158531.41	7.1073E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.0671E-05	0.00E+00
467	ALL	680286.13	4158514.63	8.7268E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.9054E-05	0.00E+00
468	ALL	680245.22	4158497.85	1.0384E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1786E-04	0.00E+00
469	ALL	680204.32	4158481.08	1.1468E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3017E-04	0.00E+00
470	ALL	680155.01	4158443.85	1.3133E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4907E-04	0.00E+00
471	ALL	680138.21	4158402.95	1.5647E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7761E-04	0.00E+00
472	ALL	680121.41	4158362.06	1.8545E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1050E-04	0.00E+00
473	ALL	680104.60	4158321.17	2.0787E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3594E-04	0.00E+00
474	ALL	680087.80	4158280.27	2.0742E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3543E-04	0.00E+00
475	ALL	680070.99	4158239.38	1.7813E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0219E-04	0.00E+00
476	ALL	680054.19	4158198.48	1.3164E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4941E-04	0.00E+00
477	ALL	680493.61	4158589.99	2.7340E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1033E-05	0.00E+00
478	ALL	680517.02	4158589.83	2.3752E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6959E-05	0.00E+00
479	ALL	680540.43	4158589.68	2.1183E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4044E-05	0.00E+00
480	ALL	680563.84	4158589.53	1.9583E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2227E-05	0.00E+00
481	ALL	680587.25	4158589.37	1.8800E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1339E-05	0.00E+00
482	ALL	680610.67	4158589.22	1.8501E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1000E-05	0.00E+00
483	ALL	680449.12	4158631.36	2.9263E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3215E-05	0.00E+00
484	ALL	680427.72	4158622.58	3.4373E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9016E-05	0.00E+00
485	ALL	680406.31	4158613.80	3.8820E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4063E-05	0.00E+00
486	ALL	680384.91	4158605.02	4.3050E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8864E-05	0.00E+00
487	ALL	680363.51	4158596.24	4.7469E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3880E-05	0.00E+00
488	ALL	680342.10	4158587.46	5.2093E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9128E-05	0.00E+00
489	ALL	680320.70	4158578.68	5.7069E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4776E-05	0.00E+00
490	ALL	680299.30	4158569.90	6.2754E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.1229E-05	0.00E+00
491	ALL	680277.89	4158561.12	6.9397E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.8770E-05	0.00E+00
492	ALL	680256.49	4158552.34	7.6714E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.7074E-05	0.00E+00
493	ALL	680235.09	4158543.56	8.3907E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.5239E-05	0.00E+00
494	ALL	680213.68	4158534.78	9.0099E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0227E-04	0.00E+00
495	ALL	680192.28	4158526.00	9.4883E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0770E-04	0.00E+00
496	ALL	680170.88	4158517.22	9.8279E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1155E-04	0.00E+00
497	ALL	680149.47	4158508.44	1.0080E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1442E-04	0.00E+00
498	ALL	680119.28	4158478.26	1.1163E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2670E-04	0.00E+00
499	ALL	680110.48	4158456.87	1.2135E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3774E-04	0.00E+00
500	ALL	680101.69	4158435.47	1.3230E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5016E-04	0.00E+00
501	ALL	680092.90	4158414.07	1.4421E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6368E-04	0.00E+00
502	ALL	680084.11	4158392.67	1.5652E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7766E-04	0.00E+00
503	ALL	680075.31	4158371.27	1.6815E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9086E-04	0.00E+00
504	ALL	680066.52	4158349.88	1.7747E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0144E-04	0.00E+00
505	ALL	680057.73	4158328.48	1.8256E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0722E-04	0.00E+00
506	ALL	680048.94	4158307.08	1.8184E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0639E-04	0.00E+00
507	ALL	680040.14	4158285.68	1.7457E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9814E-04	0.00E+00
508	ALL	680031.35	4158264.28	1.6116E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8293E-04	0.00E+00

509	ALL	680022.56	4158242.88	1.4306E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6238E-04	0.00E+00
510	ALL	680013.77	4158221.49	1.2246E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3900E-04	0.00E+00
511	ALL	680004.97	4158200.09	1.0171E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1545E-04	0.00E+00
512	ALL	679996.18	4158178.69	8.2855E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.4044E-05	0.00E+00
513	ALL	680470.52	4158640.14	2.5042E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8424E-05	0.00E+00
514	ALL	680493.94	4158639.99	2.2001E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4972E-05	0.00E+00
515	ALL	680517.35	4158639.83	1.9418E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2040E-05	0.00E+00
516	ALL	680540.76	4158639.68	1.7454E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9811E-05	0.00E+00
517	ALL	680564.17	4158639.53	1.6176E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8361E-05	0.00E+00
518	ALL	680587.58	4158639.37	1.5537E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7636E-05	0.00E+00
519	ALL	680610.99	4158639.22	1.5354E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7428E-05	0.00E+00
520	ALL	680402.95	4157964.52	2.0791E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3599E-04	0.00E+00
521	ALL	680429.52	4157942.32	2.3419E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6582E-04	0.00E+00
522	ALL	680450.60	4157636.84	4.8231E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4745E-05	0.00E+00
523	ALL	680414.64	4157620.68	3.6955E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1946E-05	0.00E+00
524	ALL	680452.34	4157567.05	3.7392E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2442E-05	0.00E+00
525	ALL	680435.00	4157556.91	3.3041E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7503E-05	0.00E+00
526	ALL	680329.82	4157758.50	3.5998E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0859E-05	0.00E+00
527	ALL	680026.50	4158082.06	4.7239E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3619E-05	0.00E+00
528	ALL	680041.32	4158060.13	4.4524E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0537E-05	0.00E+00
529	ALL	680035.99	4158009.75	3.5497E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0291E-05	0.00E+00
530	ALL	680000.42	4158005.30	3.0957E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5138E-05	0.00E+00
531	ALL	679995.98	4158039.98	3.4339E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8977E-05	0.00E+00
532	ALL	680002.63	4157956.26	2.7354E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1048E-05	0.00E+00
533	ALL	680034.36	4157913.72	2.7359E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1054E-05	0.00E+00
534	ALL	680051.45	4157887.92	2.6756E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0370E-05	0.00E+00
535	ALL	680264.49	4157967.77	7.8798E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.9440E-05	0.00E+00
536	ALL	680257.16	4157893.15	4.9540E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.6230E-05	0.00E+00
537	ALL	680422.92	4158244.63	5.9699E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7761E-04	0.00E+00
538	ALL	680485.15	4158370.56	1.0032E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1387E-04	0.00E+00
539	ALL	680540.58	4158375.85	6.4571E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.3292E-05	0.00E+00
540	ALL	680503.29	4158368.79	8.7477E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.9291E-05	0.00E+00
541	ALL	680395.21	4158405.44	1.2586E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4286E-04	0.00E+00
542	ALL	680430.80	4158417.35	1.0023E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1376E-04	0.00E+00
543	ALL	680431.57	4158399.87	1.1286E-07	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2810E-04	0.00E+00
544	ALL	680397.08	4158581.66	4.6095E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2320E-05	0.00E+00
545	ALL	680552.12	4158633.24	1.7138E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9453E-05	0.00E+00
546	ALL	680504.69	4158638.57	2.0854E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3671E-05	0.00E+00
547	ALL	680423.46	4158586.40	4.2075E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7757E-05	0.00E+00
548	ALL	680423.17	4158538.08	5.2239E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9293E-05	0.00E+00
549	ALL	680425.54	4158520.29	5.6541E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4176E-05	0.00E+00
550	ALL	680472.16	4158438.52	7.1077E-08	0.99YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.0677E-05	0.00E+00

HARP2 - HRACalc (dated 22118) 2/16/2026 3:29:05 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 0.99

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 0.99
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True

Beef: False
Dairy: False
Pig: False
Chicken: True
Egg: True

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
PIG, CHICKEN, & EGG PATHWAY SETTINGS

Surface area (m^2): 0
Volume (kg): 0

```
Volume changes per year: 0

Pig
Fraction consumed from contaminated water source: 0
Fraction consumed of contaminated leafy crop: 0.25
Fraction consumed of contaminated exposed crop: 0.25
Fraction consumed of contaminated protected crop: 0.25
Fraction consumed of contaminated root crop: 0.25

Chicken
Fraction consumed from contaminated water source: 0
Fraction consumed of contaminated leafy crop: 0.25
Fraction consumed of contaminated exposed crop: 0.25
Fraction consumed of contaminated protected crop: 0.25
Fraction consumed of contaminated root crop: 0.25

Egg
Fraction consumed from contaminated water source: 0
Fraction consumed of contaminated leafy crop: 0.25
Fraction consumed of contaminated exposed crop: 0.25
Fraction consumed of contaminated protected crop: 0.25
Fraction consumed of contaminated root crop: 0.25

**********
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment.  Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: F:\HRA\0006-010\HARP\04 - KEYES T4 Mit CON\hra\T4
Mit ConCancerRisk.csv
Cancer risk total by receptor saved to: F:\HRA\0006-010\HARP\04 - KEYES T4 Mit CON\hra\T4 Mit
ConCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: F:\HRA\0006-010\HARP\04 - KEYES T4 Mit CON\hra\T4
Mit ConNCChronicRisk.csv
Chronic risk total by receptor saved to: F:\HRA\0006-010\HARP\04 - KEYES T4 Mit CON\hra\T4 Mit
ConNCChronicRiskSumByRec.csv
Calculating acute risk
```

```
Acute risk breakdown by pollutant and receptor saved to: F:\HRA\0006-010\HARP\04 - KEYES T4 Mit CON\hra\T4
Mit ConNCAcuteRisk.csv
Acute risk total by receptor saved to: F:\HRA\0006-010\HARP\04 - KEYES T4 Mit CON\hra\T4 Mit
ConNCAcuteRiskSumByRec.csv
HRA ran successfully
```

Health Risk Assessment

Operational DPM Health Risk Assessment

Keyes-Central Commercial Development Project
DPM — Project Operations

Emission Assumptions

Emission Factors

1) Truck Emissions

(1) EMFAC2025 for emission rates	
(a) Calculations for	Stanislaus County - 2027 Operational Year
(b) Truck Mix	Medium-heavy and heavy-heavy-duty trucks (MHDT and HHDT diesel trucks)
(c) Truck Idle	One instance per trip
(d) Onsite Vehicle Travel Speed	5-15 mph aggregated for trucks
(e) Offsite Vehicle Travel Speed	10-25 mph aggregated for trucks

Traffic Allocation

1) On-site traffic distribution based on site layout identified in the site plan
2) Off-site traffic distribution consistent with project-specific trip distribution presented in the traffic report
2) Project-specific trip generation
3) Onsite travel emissions generated from diesel trucks

Traffic Study Source: Fehr & Peers. 2025. *Keyes–Central Commercial Development Transportation Analysis*. July 29, 2025. Prepared for NAPA Farms, LLC.

Emission Source Configuration

1) Project on-site traffic represented by a line source
2) Off-site vehicles represented by four (4) line sources

On-site Vehicle Travel Segments

Segment	Source ID	Segment Travel Distance (m)
On-site Travel	On-site1 (SLINE5)	239.4

Off-site Vehicle Travel Segments

Segment		Segment Travel Distance (m)	
Off-site Road Segment 1	Off-site1 (SLINE1)	499.5	Keyes Road – East
Off-site Road Segment 2	Off-site2 (SLINE2)	566.1	Keyes Road – West
Off-site Road Segment 3	Off-site3 (SLINE3)	735.3	Central Avenue – North
Off-site Road Segment 4	Off-site4 (SLINE4)	579.7	Central Avenue – South

Other Input Parameters

Operations (hr/day): 24

Keyes-Central Commercial Development Project

Vehicle Fleet Mix

	% Diesel	Total Number of Daily Trips	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips	% Diesel Trips	% Non-Diesel Trips	Total Trips
LHDT1 (2-axle truck)	100.0%	115.99	115.99	0	116	49.19%	0.00%	
LHDT2 (2-axle truck)	100.0%	31.34	31.34	0	31	13.29%	0.00%	
MHDT (3 axle truck)	100.0%	40.90	40.90	0	41	17.35%	0.00%	
HHDT (4+ axle truck)	100.0%	47.57	47.57	0	48	20.17%	0.00%	
Truck Fleet Total		235.81	235.81	0	236	100.00%	0.00%	100.00%

Truck fleet mix consistent with the project CalEEMod runs used in the Air Quality Analysis (Stanislaus County 2027 Operational Year).
Assumed 100% diesel for LHDT1, LHDT2, MHDT, and HHDT.

Keyes-Central Commercial Development Project

Diesel Vehicle Emissions

Processes Modeled

Diesel vehicle exhaust

Diesel vehicle idling

Facility Operations

24 hrs/day, 52 weeks/year

On-site Travel Links Modeled

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Daily (in and out)	Link Length (m)	Link Length (mi)	Ave Emissions Over Link (g/day)	Ave Emissions (lbs/day)	Average Emissions (g/sec)	Emissions for all Vehicles (g/sec)
On-site1 (SLINE5)	**LHDT1**	5-15	0.08616	116.0	239.4	0.15	1.486E+00	3.27E-03	1.720E-05	
	LHDT2	5-15	0.04889	31.3	239.4	0.15	2.279E-01	5.02E-04	2.637E-06	
	MHDT	5-15	0.02304	40.9	239.4	0.15	1.402E-01	3.09E-04	1.622E-06	
	HHDT	5-15	0.03240	47.6	239.4	0.15	2.292E-01	5.05E-04	2.653E-06	**2.4114E-05**

Keyes-Central Commercial Development Project

Project Operations **24 hours/day**

Emission Rates **Running Emissions 10-25 mph Averaged (EMFAC2025 for Stanislaus County by vehicle type and speed)**

Offsite DSL Truck Roadway Emissions

Segment ID	Description	% total Trips
Off1	Keyes Road – East	30.0%
Off2	Keyes Road – West	5.0%
Off3	Central Avenue – North	50.0%
Off4	Central Avenue – South	15.0%
	Total	100.0%

Segment ID: Off1

Travel Distance: 499.5 meters

Operations 24 hours/day

Vehicle Class	Daily Trips (trips/day)	Emission Factor (g/mi)	Travel Distance (mi)	Emissions (g/day)	Emissions (g/sec)
LHDT1-DSL	34.8	0.0644763	0.31	0.696	8.06E-06
LHDT2-DSL	9.4	0.0378426	0.31	0.110	1.28E-06
MHDT-DSL	12.3	0.0049046	0.31	0.019	2.16E-07
HHDT-DSL	14.3	0.0057656	0.31	0.026	2.95E-07
Total	**70.7**			**8.51E-01**	**9.85E-06**

Segment ID: Off2
Travel Distance: 566.1 meters
Operations 24 hours/day

Vehicle Class	Daily Trips (trips/day)	Emission Factor (g/mi)	Travel Distance (mi)	Emissions (g/day)	Emissions (g/sec)
LHDT1-DSL	5.8	0.0644763	0.35	0.131	1.52E-06
LHDT2-DSL	1.6	0.0378426	0.35	0.021	2.41E-07
MHDT-DSL	2.0	0.0049046	0.35	0.004	4.08E-08
HHDT-DSL	2.4	0.0057656	0.35	0.005	5.58E-08
Total	**11.8**			**1.61E-01**	**1.86E-06**

Segment ID: Off3
Travel Distance: 735.3 meters
Operations 24 hours/day

Vehicle Class	Daily Trips (trips/day)	Emission Factor (g/mi)	Travel Distance (mi)	Emissions (g/day)	Emissions (g/sec)
LHDT1-DSL	58.0	0.0644763	0.46	1.708	1.98E-05
LHDT2-DSL	15.7	0.0378426	0.46	0.271	3.14E-06
MHDT-DSL	20.5	0.0049046	0.46	0.046	5.30E-07
HHDT-DSL	23.8	0.0057656	0.46	0.063	7.25E-07
Total	**117.9**			**2.09E+00**	**2.42E-05**

Segment ID: Off4
Travel Distance: 579.7 meters
Operations 24 hours/day

Vehicle Class	Daily Trips (trips/day)	Emission Factor (g/mi)	Travel Distance (mi)	Emissions (g/day)	Emissions (g/sec)
LHDT1-DSL	58.0	0.0644763	0.36	1.347	1.56E-05
LHDT2-DSL	15.7	0.0378426	0.36	0.214	2.47E-06
MHDT-DSL	20.5	0.0049046	0.36	0.036	4.18E-07
HHDT-DSL	23.8	0.0057656	0.36	0.049	5.72E-07
Total	117.9			**1.65E+00**	**1.90E-05**

On-site Truck Running and Idling Emissions for the Health Risk Screening Analysis—Keyes-Central Commercial Development Project

Source: EMFAC2025 (v2.0.0) Emission Rates
Region Type: County
Region: Stanislaus
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for Combustion VMT and Electric VMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, gallon/mile for Fuel Consumption, kWh/mile for Energy Consumption, kg/mile for Hydrogen Consumption.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX
Stanislaus	2027	HHDT	Aggregate	5	Diesel	279.0582412	15.25019071	0.078425042	0.081971075	3424.592807	0.024591298	0.284686455	0.529443912	0.602731592	1.371357429	0.011245872
Stanislaus	2027	HHDT	Aggregate	10	Diesel	7014.158029	3.455097627	0.009541873	0.009973314	2601.19241	0.004150784	0.388530291	0.089365244	0.101735527	0.630680434	0.008541943
Stanislaus	2027	HHDT	Aggregate	15	Diesel	16973.94298	2.12936268	0.005028782	0.005256161	2101.375814	0.001651829	0.394566959	0.035563428	0.040486256	0.338791403	0.006900617
Stanislaus	2027	HHDT	Aggregate	20	Diesel	28786.03835	1.641811213	0.003864435	0.004039168	1867.19098	0.000960596	0.39668714	0.020681371	0.023544167	0.223857961	0.006131588
Stanislaus	2027	HHDT	Aggregate	25	Diesel	20150.97118	1.455026186	0.003629615	0.00379373	1682.416219	0.000752352	0.395175589	0.016197925	0.018440105	0.179315283	0.005524814
						Total	23.93148841	0.100489747	0.105033448	11676.76823	0.032106859	1.859646434	0.69125188	0.786937647	2.744002511	0.038344833
Stanislaus	2027	LHDT1	Aggregate	5	Diesel	3974.184335	2.494453806	0.100103827	0.104630078	1200.046274	0.020264816	0.29506212	0.43628955	0.496686646	1.920409074	0.003943321
Stanislaus	2027	LHDT1	Aggregate	10	Diesel	13215.97426	2.330360193	0.08097205	0.084633247	1039.125617	0.016334933	0.29506212	0.3516815	0.400366006	1.538438259	0.00341454
Stanislaus	2027	LHDT1	Aggregate	15	Diesel	28622.01415	2.193487889	0.066215133	0.069209087	867.3301934	0.013395362	0.29506212	0.288394248	0.328317678	1.239779157	0.002850025
Stanislaus	2027	LHDT1	Aggregate	20	Diesel	31378.97238	2.07747121	0.05449699	0.056961102	750.1494203	0.011107014	0.29506212	0.239127466	0.272230722	0.999373485	0.002464972
Stanislaus	2027	LHDT1	Aggregate	25	Diesel	33583.87183	1.992606934	0.04506433	0.047101939	652.7373843	0.009278711	0.29506212	0.199765188	0.227419385	0.80328192	0.002144878
						Total	11.08838003	0.34685233	0.362535454	4509.388889	0.070380836	1.475310602	1.515257953	1.725020438	6.501281895	0.014817736
Stanislaus	2027	LHDT2	Aggregate	5	Diesel	2961.698585	1.300996185	0.055343381	0.057845763	1345.438775	0.012356684	0.361772206	0.266032124	0.302859886	0.848144093	0.004421077
Stanislaus	2027	LHDT2	Aggregate	10	Diesel	9848.997669	1.170486287	0.046218892	0.048308706	1173.496265	0.010524021	0.361772206	0.22657598	0.25794169	0.689442415	0.003856078
Stanislaus	2027	LHDT2	Aggregate	15	Diesel	21330.10743	1.058218325	0.038749931	0.040502031	1008.251434	0.009037318	0.361772206	0.194568127	0.221502877	0.560291045	0.003313088
Stanislaus	2027	LHDT2	Aggregate	20	Diesel	23384.68734	0.961074207	0.032528548	0.033999345	874.2515146	0.007789671	0.361772206	0.16770702	0.190923292	0.452966338	0.002872768
Stanislaus	2027	LHDT2	Aggregate	25	Diesel	25027.85409	0.883818665	0.027324738	0.028560242	760.4600679	0.006720808	0.361772206	0.144695036	0.164725679	0.363171815	0.002498852
						Total	5.374593669	0.20016549	0.209216086	5161.898057	0.046428501	1.808861032	0.999578287	1.137953423	2.914015706	0.016961864
Stanislaus	2027	MHDT	Aggregate	5	Diesel	307.0321153	9.70965104	0.052605733	0.054984331	2397.722585	0.017952237	0.273680894	0.386506746	0.440008509	0.620673065	0.007873777
Stanislaus	2027	MHDT	Aggregate	10	Diesel	4522.58955	1.839451529	0.009093855	0.009505039	1950.882814	0.003645609	0.382472928	0.078488967	0.089353715	0.24211602	0.00640642
Stanislaus	2027	MHDT	Aggregate	15	Diesel	8159.139787	0.955218116	0.004433617	0.004634086	1526.163378	0.001375035	0.391469539	0.029604122	0.033702039	0.134337077	0.005011702
Stanislaus	2027	MHDT	Aggregate	20	Diesel	10884.90296	0.659236476	0.002829879	0.002957834	1298.602947	0.000659633	0.394615681	0.014201716	0.016167572	0.090590997	0.004264426
Stanislaus	2027	MHDT	Aggregate	25	Diesel	14825.40767	0.57838492	0.002412229	0.002521299	1178.144594	0.000495802	0.394434325	0.010674478	0.012152081	0.074207386	0.003868858
						Total	13.74194208	0.071375314	0.074602589	8351.516318	0.024128316	1.836673366	0.519476029	0.591383916	1.161924544	0.027425183

Running Emissions 5-25 MPH Averaged

	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX
HHDT	**4.7863**	**0.0201**	**0.0210**	**2335.3536**	**0.0064**	**0.3719**	**0.1383**	**0.1574**	**0.5488**	**0.0077**
LHDT1	**2.2177**	**0.0694**	**0.0725**	**901.8778**	**0.0141**	**0.2951**	**0.3031**	**0.3450**	**1.3003**	**0.0030**
LHDT2	**1.0749**	**0.0400**	**0.0418**	**1032.3796**	**0.0093**	**0.3618**	**0.1999**	**0.2276**	**0.5828**	**0.0034**
MHDT	**2.7484**	**0.0143**	**0.0149**	**1670.3033**	**0.0048**	**0.3673**	**0.1039**	**0.1183**	**0.2324**	**0.0055**

On-site Truck Running and Idling Emissions for the Health Risk Screening Analysis—Keyes-Central Commercial Development Project

Source: EMFAC2025 (v2.0.0) Emission Rates
Region Type: County
Region: Stanislaus
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for Combustion VMT and Electric VMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, gallon/mile for Fuel Consumption, kWh/mile for Energy Consumption, kg/mile for Hydrogen Consumption.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX
Stanislaus	2027	HHDT	Aggregate	5	Diesel	279.0582412	15.25019071	0.078425042	0.081971075	3424.592807	0.024591298	0.284686455	0.529443912	0.602731592	1.371357429	0.011245872
Stanislaus	2027	HHDT	Aggregate	10	Diesel	7014.158029	3.455097627	0.009541873	0.009973314	2601.19241	0.004150784	0.388530291	0.089365244	0.101735527	0.630680434	0.008541943
Stanislaus	2027	HHDT	Aggregate	15	Diesel	16973.94298	2.12936268	0.005028782	0.005256161	2101.375814	0.001651829	0.394566959	0.035563428	0.040486256	0.338791403	0.006900617
						Total	20.83465101	0.092995698	0.09720055	8127.161031	0.030393912	1.067783705	0.654372584	0.744953375	2.340829267	0.026688432
Stanislaus	2027	LHDT1	Aggregate	5	Diesel	3974.184335	2.494453806	0.100103827	0.104630078	1200.046274	0.020264816	0.29506212	0.43628955	0.496686646	1.920409074	0.003943321
Stanislaus	2027	LHDT1	Aggregate	10	Diesel	13215.97426	2.330360193	0.08097205	0.084633247	1039.125617	0.016334933	0.29506212	0.3516815	0.400366006	1.538438259	0.00341454
Stanislaus	2027	LHDT1	Aggregate	15	Diesel	28622.01415	2.193487889	0.066215133	0.069209087	867.3301934	0.013395362	0.29506212	0.288394248	0.328317678	1.239779157	0.002850025
						Total	7.018301888	0.24729101	0.258472412	3106.502085	0.049995111	0.885186361	1.076365299	1.225370331	4.69862649	0.010207886
Stanislaus	2027	LHDT2	Aggregate	5	Diesel	2961.698585	1.300996185	0.055343381	0.057845763	1345.438775	0.012356684	0.361772206	0.266032124	0.302859886	0.848144093	0.004421077
Stanislaus	2027	LHDT2	Aggregate	10	Diesel	9848.997669	1.170486287	0.046218892	0.048308706	1173.496265	0.010524021	0.361772206	0.22657598	0.25794169	0.689442415	0.003856078
Stanislaus	2027	LHDT2	Aggregate	15	Diesel	21330.10743	1.058218325	0.038749931	0.040502031	1008.251434	0.009037318	0.361772206	0.194568127	0.221502877	0.560291045	0.003313088
						Total	3.529700797	0.140312204	0.1466565	3527.186474	0.031918022	1.085316619	0.687176231	0.782304452	2.097877553	0.011590244
Stanislaus	2027	MHDT	Aggregate	5	Diesel	307.0321153	9.70965104	0.052605733	0.054984331	2397.722585	0.017952237	0.273680894	0.386506746	0.440008509	0.620673065	0.007873777
Stanislaus	2027	MHDT	Aggregate	10	Diesel	4522.58955	1.839451529	0.009093855	0.009505039	1950.882814	0.003645609	0.382472928	0.078488967	0.089353715	0.24211602	0.00640642
Stanislaus	2027	MHDT	Aggregate	15	Diesel	8159.139787	0.955218116	0.004433617	0.004634086	1526.163378	0.001375035	0.391469539	0.029604122	0.033702039	0.134337077	0.005011702
						Total	12.50432069	0.066133206	0.069123456	5874.768777	0.022972881	1.047623361	0.494599835	0.563064263	0.997126162	0.019291899

Running Emissions 5-15 MPH Averaged

	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX
HHDT	**6.9449**	**0.0310**	**0.0324**	**2709.0537**	**0.0101**	**0.3559**	**0.2181**	**0.2483**	**0.7803**	**0.0089**
LHDT1	**2.3394**	**0.0824**	**0.0862**	**1035.5007**	**0.0167**	**0.2951**	**0.3588**	**0.4085**	**1.5662**	**0.0034**
LHDT2	**1.1766**	**0.0468**	**0.0489**	**1175.7288**	**0.0106**	**0.3618**	**0.2291**	**0.2608**	**0.6993**	**0.0039**
MHDT	**4.1681**	**0.0220**	**0.0230**	**1958.2563**	**0.0077**	**0.3492**	**0.1649**	**0.1877**	**0.3324**	**0.0064**

On-site Truck Running and Idling Emissions for the Health Risk Screening Analysis—Keyes-Central Commercial Development Project

Source: EMFAC2025 (v2.0.0) Emission Rates
Region Type: County
Region: Stanislaus
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for Combustion VMT and Electric VMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, gallon/mile for Fuel Consumption, kWh/mile for Energy Consumption, kg/mile for Hydrogen Consumption.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX
Stanislaus	2027	HHDT	Aggregate	10	Diesel	7014.158029	3.455097627	0.009541873	0.009973314	2601.19241	0.004150784	0.388530291	0.089365244	0.101735527	0.630680434	0.008541943
Stanislaus	2027	HHDT	Aggregate	15	Diesel	16973.94298	2.12936268	0.005028782	0.005256161	2101.375814	0.001651829	0.394566959	0.035563428	0.040486256	0.338791403	0.006900617
Stanislaus	2027	HHDT	Aggregate	20	Diesel	28786.03835	1.641811213	0.003864435	0.004039168	1867.19098	0.000960596	0.39668714	0.020681371	0.023544167	0.223857961	0.006131588
Stanislaus	2027	HHDT	Aggregate	25	Diesel	20150.97118	1.455026186	0.003629615	0.00379373	1682.416219	0.000752352	0.395175589	0.016197925	0.018440105	0.179315283	0.005524814
						Total	8.681297705	0.022064705	0.023062373	8252.175422	0.007515561	1.57495998	0.161807969	0.184206055	1.372645082	0.027098961
Stanislaus	2027	LHDT1	Aggregate	10	Diesel	13215.97426	2.330360193	0.08097205	0.084633247	1039.125617	0.016334933	0.29506212	0.3516815	0.400366006	1.538438259	0.00341454
Stanislaus	2027	LHDT1	Aggregate	15	Diesel	28622.01415	2.193487889	0.066215133	0.069209087	867.3301934	0.013395362	0.29506212	0.288394248	0.328317678	1.239779157	0.002850025
Stanislaus	2027	LHDT1	Aggregate	20	Diesel	31378.97238	2.07747121	0.05449699	0.056961102	750.1494203	0.011107014	0.29506212	0.239127466	0.272230722	0.999373485	0.002464972
Stanislaus	2027	LHDT1	Aggregate	25	Diesel	33583.87183	1.992606934	0.04506433	0.047101939	652.7373843	0.009278711	0.29506212	0.199765188	0.227419385	0.80328192	0.002144878
						Total	8.593926226	0.246748503	0.257905376	3309.342615	0.05011602	1.180248482	1.078968402	1.228333791	4.580872822	0.010874414
Stanislaus	2027	LHDT2	Aggregate	10	Diesel	9848.997669	1.170486287	0.046218892	0.048308706	1173.496265	0.010524021	0.361772206	0.22657598	0.25794169	0.689442415	0.003856078
Stanislaus	2027	LHDT2	Aggregate	15	Diesel	21330.10743	1.058218325	0.038749931	0.040502031	1008.251434	0.009037318	0.361772206	0.194568127	0.221502877	0.560291045	0.003313088
Stanislaus	2027	LHDT2	Aggregate	20	Diesel	23384.68734	0.961074207	0.032528548	0.033999345	874.2515146	0.007789671	0.361772206	0.16770702	0.190923292	0.452966338	0.002872768
Stanislaus	2027	LHDT2	Aggregate	25	Diesel	25027.85409	0.883818665	0.027324738	0.028560242	760.4600679	0.006720808	0.361772206	0.144695036	0.164725679	0.363171815	0.002498852
						Total	4.073597484	0.14482211	0.151370323	3816.459282	0.034071817	1.447088825	0.733546163	0.835093537	2.065871613	0.012540787
Stanislaus	2027	MHDT	Aggregate	10	Diesel	4522.58955	1.839451529	0.009093855	0.009505039	1950.882814	0.003645609	0.382472928	0.078488967	0.089353715	0.24211602	0.00640642
Stanislaus	2027	MHDT	Aggregate	15	Diesel	8159.139787	0.955218116	0.004433617	0.004634086	1526.163378	0.001375035	0.391469539	0.029604122	0.033702039	0.134337077	0.005011702
Stanislaus	2027	MHDT	Aggregate	20	Diesel	10884.90296	0.659236476	0.002829879	0.002957834	1298.602947	0.000659633	0.394615681	0.014201716	0.016167572	0.090590997	0.004264426
Stanislaus	2027	MHDT	Aggregate	25	Diesel	14825.40767	0.57838492	0.002412229	0.002521299	1178.144594	0.000495802	0.394434325	0.010674478	0.012152081	0.074207386	0.003868858
						Total	4.032291042	0.018769581	0.019618258	5953.793733	0.006176079	1.562992472	0.132969283	0.151375407	0.541251479	0.019551405

Running Emissions 10-25 MPH Averaged

	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX
HHDT	**2.1703**	**0.0055**	**0.0058**	**2063.0439**	**0.0019**	**0.3937**	**0.0405**	**0.0461**	**0.3432**	**0.0068**
LHDT1	**2.1485**	**0.0617**	**0.0645**	**827.3357**	**0.0125**	**0.2951**	**0.2697**	**0.3071**	**1.1452**	**0.0027**
LHDT2	**1.0184**	**0.0362**	**0.0378**	**954.1148**	**0.0085**	**0.3618**	**0.1834**	**0.2088**	**0.5165**	**0.0031**
MHDT	**1.0081**	**0.0047**	**0.0049**	**1488.4484**	**0.0015**	**0.3907**	**0.0332**	**0.0378**	**0.1353**	**0.0049**

Idling Minutes/Day Per Truck	15
Max Trucks per Day	117.90
Number Idling Trucks per Day	117.90
Max Trucks per Day—HHDT	23.78
Max Trucks per Day—LHDT1	58.00
Max Trucks per Day—LHDT2	15.67
Max Trucks per Day—MHDT	20.45

Idling Emissions	Calendar Year	Season	Region	Vehicle Category	Fuel	Pollutant	g/vehicle/day	g/day	On-site g/day	Max lbs/day
IDLEX	2027	Annual	Stanislaus	HHDT	DSL	ROG	8.1249	193.2361	6.0386	0.426013
IDLEX	2027	Annual	Stanislaus	LHDT1	DSL	ROG	0.1052	6.1017	0.1907	0.013452
IDLEX	2027	Annual	Stanislaus	LHDT2	DSL	ROG	0.1196	1.8749	0.0586	0.004133
IDLEX	2027	Annual	Stanislaus	MHDT	DSL	ROG	0.1846	3.7749	0.1180	0.008322
IDLEX	2027	Annual	Stanislaus	HHDT	DSL	NOx	41.3055	982.3804	30.6994	2.165778
IDLEX	2027	Annual	Stanislaus	LHDT1	DSL	NOx	2.0798	120.6154	3.7692	0.265911
IDLEX	2027	Annual	Stanislaus	LHDT2	DSL	NOx	1.7176	26.9182	0.8412	0.059345
IDLEX	2027	Annual	Stanislaus	MHDT	DSL	NOx	7.0375	143.9334	4.4979	0.317319
IDLEX	2027	Annual	Stanislaus	HHDT	DSL	CO	119.7623	2,848.3415	89.0107	6.279519
IDLEX	2027	Annual	Stanislaus	LHDT1	DSL	CO	0.8720	50.5740	1.5804	0.111497
IDLEX	2027	Annual	Stanislaus	LHDT2	DSL	CO	0.9916	15.5400	0.4856	0.034260
IDLEX	2027	Annual	Stanislaus	MHDT	DSL	CO	7.0780	144.7617	4.5238	0.319145
IDLEX	2027	Annual	Stanislaus	HHDT	DSL	SO2	0.0583	1.3855	0.0433	0.003055
IDLEX	2027	Annual	Stanislaus	LHDT1	DSL	SO2	0.0004	0.0245	0.0008	0.000054
IDLEX	2027	Annual	Stanislaus	LHDT2	DSL	SO2	0.0007	0.0114	0.0004	0.000025
IDLEX	2027	Annual	Stanislaus	MHDT	DSL	SO2	0.0069	0.1402	0.0044	0.000309
IDLEX	2027	Annual	Stanislaus	HHDT	DSL	PM10	0.0212	0.5044	0.0158	0.001112
IDLEX	2027	Annual	Stanislaus	LHDT1	DSL	PM10	0.0267	1.5488	0.0484	0.003414
IDLEX	2027	Annual	Stanislaus	LHDT2	DSL	PM10	0.0301	0.4713	0.0147	0.001039
IDLEX	2027	Annual	Stanislaus	MHDT	DSL	PM10	0.0057	0.1173	0.0037	0.000259
IDLEX	2027	Annual	Stanislaus	HHDT	DSL	PM2.5	0.0203	0.4825	0.0151	0.001064
IDLEX	2027	Annual	Stanislaus	LHDT1	DSL	PM2.5	0.0255	1.4818	0.0463	0.003267
IDLEX	2027	Annual	Stanislaus	LHDT2	DSL	PM2.5	0.0288	0.4509	0.0141	0.000994
IDLEX	2027	Annual	Stanislaus	MHDT	DSL	PM2.5	0.0055	0.1122	0.0035	0.000247

Keyes-Central Commercial Development Project
Summary of DPM Emissions in Pounds

Diesel Truck Idling Emissions

Segment - On-site Truck Idle		Emissions (g/day)	Emissions (lb/day)	Emissions (lb/year)	Max Emissions in an Hour (lbs/hr)	Source Group
On-site Idling	Idle 1	0.08255142	0.00018183	0.06636843	1.81831E-05	IDLE1
	Subtotal Idle	**0.082551416**	**0.000181831**	**0.066368429**		

Diesel Truck On-site Travel Emissions (5-15 mph aggregated)

Segment	Source ID	Source #	Source Group	Emissions (g/day)	Emissions (lb/day)	Emissions (lb/year)	Max Emissions in an Hour (lbs/hr)
On-site Truck Travel	On1	-	On1	2.083443789	0.004589083	1.675015381	0.000458908
		Subtotal On-site Travel		**2.083443789**	**0.004589083**	**1.675015381**	

Diesel Truck Localized Off-site Travel Emissions (10-25 mph aggregated)

Segment	Source ID	Source #	Source Group	Emissions (g/day)	Emissions (lb/day)	Emissions (lb/year)	Max Emissions in an Hour (lbs/hr)
Off-site Truck Route 1	OFF1	-	Off1	0.850795737	0.001873999	0.684009789	0.000312333
Off-site Truck Route 2	OFF2	-	Off2	0.160705861	0.000353978	0.129201849	5.89963E-05
Off-site Truck Route 3	OFF3	-	Off3	2.08738774	0.00459777	1.678186179	0.000766295
Off-site Truck Route 4	OFF4	-	Off3	1.64566663	0.003624816	1.323057973	0.000604136
		Subtotal Off-site Travel		**4.744555968**	**0.010450564**	**3.81445579**	

Notes: Divided pounds per day by 10 hours to estimate maximum pounds in an hour.

Health Risk Summary (Summary of HARP2 Results - Operational DPM)

Updated Keyes-Central Commercial Development Project (DPM from Trucks) - Starting in the Third Trimester

	RISK_SUM	Cancer Risk/million	MAXHI NonCancer Chronic	MAXHI Acute
Maximum Risk	7.711E-06	7.711	1.4694E-03	0.00E+00

	X	Y
MER UTM	680430.54	4158077.83
Lat/Long	37°33'07.4"N	120°57'26.6"W
Receptor #	244	

*HARP - HRACalc v22118 2/15/2026 3:40:37 PM - Cancer Risk - Input File: F:\HRA\0006-010\HARP\02 - KEYES OP DPM\hra\Keyes Op DPMHRAInput.hra
*HARP - HRACalc v22118 2/15/2026 3:40:37 PM - Chronic Risk - Input File: F:\HRA\0006-010\HARP\02 - KEYES OP DPM\hra\Keyes Op DPMHRAInput.hra
*HARP - HRACalc v22118 2/15/2026 3:40:37 PM - Acute Risk - Input File: F:\HRA\0006-010\HARP\02 - KEYES OP DPM\hra\Keyes Op DPMHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
1	ALL	680829.36	4158182.03	7.5220E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4334E-04	0.00E+00
2	ALL	680812.41	4158222.11	6.6687E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2708E-04	0.00E+00
3	ALL	680795.46	4158262.19	6.0112E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1455E-04	0.00E+00
4	ALL	680778.52	4158302.27	5.4915E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0464E-04	0.00E+00
5	ALL	680749.96	4158330.67	5.4625E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0409E-04	0.00E+00
6	ALL	680709.78	4158347.40	5.9410E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1321E-04	0.00E+00
7	ALL	680669.61	4158364.13	6.6007E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2578E-04	0.00E+00
8	ALL	680629.44	4158380.86	7.5585E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4403E-04	0.00E+00
9	ALL	680838.10	4158139.94	9.0364E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7219E-04	0.00E+00
10	ALL	680838.63	4158095.85	1.1771E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2430E-04	0.00E+00
11	ALL	680839.15	4158051.75	1.6145E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0765E-04	0.00E+00
12	ALL	680879.58	4158182.10	6.4353E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2263E-04	0.00E+00
13	ALL	680863.07	4158221.14	5.7599E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0976E-04	0.00E+00
14	ALL	680846.57	4158260.17	5.2181E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.9434E-05	0.00E+00
15	ALL	680830.06	4158299.21	4.7760E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1009E-05	0.00E+00
16	ALL	680813.55	4158338.24	4.4035E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3912E-05	0.00E+00
17	ALL	680785.74	4158365.90	4.3678E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3231E-05	0.00E+00
18	ALL	680746.62	4158382.20	4.6715E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.9019E-05	0.00E+00
19	ALL	680707.49	4158398.49	5.0731E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.6671E-05	0.00E+00
20	ALL	680668.37	4158414.78	5.6209E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0711E-04	0.00E+00
21	ALL	680629.25	4158431.08	6.4257E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2245E-04	0.00E+00
22	ALL	680888.09	4158140.54	7.6124E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4506E-04	0.00E+00
23	ALL	680888.62	4158096.44	1.0016E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9087E-04	0.00E+00
24	ALL	680889.15	4158052.35	1.4426E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7489E-04	0.00E+00
25	ALL	680929.72	4158182.35	5.5367E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0551E-04	0.00E+00
26	ALL	680913.51	4158220.69	5.0106E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.5479E-05	0.00E+00
27	ALL	680897.30	4158259.03	4.5596E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.6886E-05	0.00E+00
28	ALL	680881.09	4158297.37	4.1860E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.9767E-05	0.00E+00
29	ALL	680864.88	4158335.70	3.8684E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.3715E-05	0.00E+00
30	ALL	680848.67	4158374.04	3.5938E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.8482E-05	0.00E+00
31	ALL	680821.35	4158401.21	3.5618E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7873E-05	0.00E+00
32	ALL	680782.92	4158417.21	3.7609E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.1667E-05	0.00E+00
33	ALL	680744.50	4158433.21	3.9979E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6183E-05	0.00E+00
34	ALL	680706.07	4158449.22	4.3055E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2045E-05	0.00E+00
35	ALL	680667.65	4158465.22	4.7132E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.9812E-05	0.00E+00
36	ALL	680629.22	4158481.22	5.3051E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0109E-04	0.00E+00
37	ALL	680938.09	4158141.14	6.4329E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2258E-04	0.00E+00
38	ALL	680938.62	4158097.04	8.3014E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5819E-04	0.00E+00
39	ALL	680939.15	4158052.95	1.2567E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3948E-04	0.00E+00
40	ALL	680979.82	4158182.70	4.7804E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1094E-05	0.00E+00
41	ALL	680963.82	4158220.54	4.3847E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3553E-05	0.00E+00
42	ALL	680947.82	4158258.38	4.0226E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6653E-05	0.00E+00
43	ALL	680931.82	4158296.22	3.7095E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.0686E-05	0.00E+00
44	ALL	680915.82	4158334.06	3.4427E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5603E-05	0.00E+00
45	ALL	680899.82	4158371.90	3.2070E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1111E-05	0.00E+00
46	ALL	680883.82	4158409.74	3.0029E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7222E-05	0.00E+00
47	ALL	680856.86	4158436.56	2.9759E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.6707E-05	0.00E+00
48	ALL	680818.93	4158452.35	3.1091E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9247E-05	0.00E+00
49	ALL	680781.00	4158468.15	3.2617E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2154E-05	0.00E+00
50	ALL	680743.08	4158483.94	3.4419E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5589E-05	0.00E+00
51	ALL	680705.15	4158499.74	3.6617E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9777E-05	0.00E+00
52	ALL	680667.23	4158515.53	3.9484E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.5240E-05	0.00E+00
53	ALL	680629.30	4158531.32	4.3238E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2393E-05	0.00E+00
54	ALL	680988.09	4158141.74	5.4579E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0400E-04	0.00E+00
55	ALL	680988.62	4158097.64	6.7824E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2924E-04	0.00E+00
56	ALL	680989.14	4158053.55	1.0042E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9135E-04	0.00E+00
57	ALL	681029.37	4158184.37	4.1489E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.9061E-05	0.00E+00

58	ALL	681012.47	4158224.33	3.8292E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.2967E-05	0.00E+00
59	ALL	680995.57	4158264.29	3.5316E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7297E-05	0.00E+00
60	ALL	680978.67	4158304.26	3.2609E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2139E-05	0.00E+00
61	ALL	680961.77	4158344.22	3.0308E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7754E-05	0.00E+00
62	ALL	680944.88	4158384.18	2.8273E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3876E-05	0.00E+00
63	ALL	680927.98	4158424.15	2.6495E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0487E-05	0.00E+00
64	ALL	680891.05	4158472.45	2.5400E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8401E-05	0.00E+00
65	ALL	680851.00	4158489.13	2.6423E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0351E-05	0.00E+00
66	ALL	680810.94	4158505.81	2.7541E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2480E-05	0.00E+00
67	ALL	680770.89	4158522.50	2.8808E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4896E-05	0.00E+00
68	ALL	680730.83	4158539.18	3.0276E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7694E-05	0.00E+00
69	ALL	680690.78	4158555.86	3.2079E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1129E-05	0.00E+00
70	ALL	680650.72	4158572.54	3.4194E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5158E-05	0.00E+00
71	ALL	681038.08	4158142.34	4.6643E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.8881E-05	0.00E+00
72	ALL	681038.61	4158098.24	5.5639E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0602E-04	0.00E+00
73	ALL	681039.14	4158054.15	7.3454E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3997E-04	0.00E+00
74	ALL	681079.49	4158184.66	3.6433E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9425E-05	0.00E+00
75	ALL	681062.85	4158224.03	3.3940E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4675E-05	0.00E+00
76	ALL	681046.20	4158263.39	3.1646E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.0303E-05	0.00E+00
77	ALL	681029.56	4158302.75	2.9431E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.6083E-05	0.00E+00
78	ALL	681012.92	4158342.11	2.7481E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2368E-05	0.00E+00
79	ALL	680996.27	4158381.48	2.5780E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9125E-05	0.00E+00
80	ALL	680979.63	4158420.84	2.4233E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6177E-05	0.00E+00
81	ALL	680962.98	4158460.20	2.2863E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3566E-05	0.00E+00
82	ALL	680926.61	4158507.78	2.1970E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1865E-05	0.00E+00
83	ALL	680887.16	4158524.21	2.2703E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3261E-05	0.00E+00
84	ALL	680847.71	4158540.64	2.3455E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4695E-05	0.00E+00
85	ALL	680808.25	4158557.07	2.4267E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6243E-05	0.00E+00
86	ALL	680768.80	4158573.50	2.5137E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7901E-05	0.00E+00
87	ALL	680729.35	4158589.93	2.6080E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9697E-05	0.00E+00
88	ALL	680689.90	4158606.36	2.7111E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1662E-05	0.00E+00
89	ALL	680650.45	4158622.79	2.8074E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3496E-05	0.00E+00
90	ALL	681088.08	4158142.94	4.0311E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6815E-05	0.00E+00
91	ALL	681088.61	4158098.84	4.6507E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.8622E-05	0.00E+00
92	ALL	681089.14	4158054.75	5.6011E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0673E-04	0.00E+00
93	ALL	681089.67	4158010.65	7.7153E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4702E-04	0.00E+00
94	ALL	680629.68	4157877.99	3.2997E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2879E-04	0.00E+00
95	ALL	680667.86	4157894.16	3.0554E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8223E-04	0.00E+00
96	ALL	680587.02	4157869.75	3.4063E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4910E-04	0.00E+00
97	ALL	680563.46	4157869.59	3.4634E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5998E-04	0.00E+00
98	ALL	680539.89	4157869.44	3.4972E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.6642E-04	0.00E+00
99	ALL	680516.33	4157869.28	3.6045E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.8685E-04	0.00E+00
100	ALL	680492.76	4157869.13	4.0278E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6753E-04	0.00E+00
101	ALL	680629.30	4157855.26	2.8721E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4729E-04	0.00E+00
102	ALL	680666.42	4157870.99	2.7662E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2711E-04	0.00E+00
103	ALL	680703.54	4157886.71	2.4604E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6884E-04	0.00E+00
104	ALL	680729.61	4157913.27	2.2630E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3124E-04	0.00E+00
105	ALL	680587.17	4157847.25	2.9436E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.6093E-04	0.00E+00
106	ALL	680563.61	4157847.09	3.0177E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7504E-04	0.00E+00
107	ALL	680540.04	4157846.94	3.1042E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9153E-04	0.00E+00
108	ALL	680516.48	4157846.78	3.2927E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2745E-04	0.00E+00
109	ALL	680492.91	4157846.63	3.8107E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.2615E-04	0.00E+00
110	ALL	680653.31	4157842.87	2.5175E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7972E-04	0.00E+00
111	ALL	680695.73	4157860.84	2.3422E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4632E-04	0.00E+00
112	ALL	680755.33	4157921.56	2.0260E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8607E-04	0.00E+00
113	ALL	680610.88	4157824.90	2.5131E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7889E-04	0.00E+00
114	ALL	680587.32	4157824.75	2.6013E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9570E-04	0.00E+00
115	ALL	680563.75	4157824.59	2.6921E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1299E-04	0.00E+00
116	ALL	680540.19	4157824.44	2.8197E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3731E-04	0.00E+00
117	ALL	680516.62	4157824.28	3.0662E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8428E-04	0.00E+00
118	ALL	680493.06	4157824.13	3.6526E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9603E-04	0.00E+00
119	ALL	680631.54	4157783.51	2.0062E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8230E-04	0.00E+00
120	ALL	680672.20	4157800.73	1.9806E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7742E-04	0.00E+00
121	ALL	680712.85	4157817.95	1.8906E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6027E-04	0.00E+00
122	ALL	680753.51	4157835.17	1.7263E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2895E-04	0.00E+00
123	ALL	680782.07	4157864.27	1.6339E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1135E-04	0.00E+00
124	ALL	680798.53	4157905.24	1.6390E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1232E-04	0.00E+00
125	ALL	680814.99	4157946.20	1.8194E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4670E-04	0.00E+00
126	ALL	680587.65	4157774.75	2.1046E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0105E-04	0.00E+00
127	ALL	680564.08	4157774.59	2.2235E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2370E-04	0.00E+00
128	ALL	680540.52	4157774.44	2.4055E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5839E-04	0.00E+00
129	ALL	680516.95	4157774.28	2.7373E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2162E-04	0.00E+00
130	ALL	680493.39	4157774.13	3.4269E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5302E-04	0.00E+00
131	ALL	680631.34	4157733.29	1.6776E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1968E-04	0.00E+00
132	ALL	680670.93	4157750.06	1.6412E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1274E-04	0.00E+00

133	ALL	680710.53	4157766.83	1.5968E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0428E-04	0.00E+00
134	ALL	680750.13	4157783.60	1.5190E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8946E-04	0.00E+00
135	ALL	680789.72	4157800.37	1.4101E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6870E-04	0.00E+00
136	ALL	680817.54	4157828.71	1.3546E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5812E-04	0.00E+00
137	ALL	680833.57	4157868.61	1.3563E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5846E-04	0.00E+00
138	ALL	680849.60	4157908.51	1.4114E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6895E-04	0.00E+00
139	ALL	680865.63	4157948.41	1.6529E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1496E-04	0.00E+00
140	ALL	680587.98	4157724.75	1.8089E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4471E-04	0.00E+00
141	ALL	680564.41	4157724.60	1.9504E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7166E-04	0.00E+00
142	ALL	680540.85	4157724.44	2.1668E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1289E-04	0.00E+00
143	ALL	680517.28	4157724.29	2.5396E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8394E-04	0.00E+00
144	ALL	680493.72	4157724.13	3.2918E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2728E-04	0.00E+00
145	ALL	680633.08	4157683.89	1.4545E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7717E-04	0.00E+00
146	ALL	680654.29	4157692.88	1.4228E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7112E-04	0.00E+00
147	ALL	680675.51	4157701.86	1.3984E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6648E-04	0.00E+00
148	ALL	680696.72	4157710.84	1.3778E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6254E-04	0.00E+00
149	ALL	680717.93	4157719.83	1.3574E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5866E-04	0.00E+00
150	ALL	680739.14	4157728.81	1.3330E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5401E-04	0.00E+00
151	ALL	680760.35	4157737.79	1.3031E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4832E-04	0.00E+00
152	ALL	680781.57	4157746.78	1.2682E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4166E-04	0.00E+00
153	ALL	680802.78	4157755.76	1.2287E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3414E-04	0.00E+00
154	ALL	680823.99	4157764.75	1.1850E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2581E-04	0.00E+00
155	ALL	680853.79	4157795.11	1.1478E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1871E-04	0.00E+00
156	ALL	680862.38	4157816.48	1.1507E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1927E-04	0.00E+00
157	ALL	680870.97	4157837.86	1.1508E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1929E-04	0.00E+00
158	ALL	680879.56	4157859.23	1.1598E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2101E-04	0.00E+00
159	ALL	680888.14	4157880.61	1.1840E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2562E-04	0.00E+00
160	ALL	680896.73	4157901.98	1.2363E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3559E-04	0.00E+00
161	ALL	680905.32	4157923.36	1.3307E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5357E-04	0.00E+00
162	ALL	680913.91	4157944.73	1.4842E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8281E-04	0.00E+00
163	ALL	680922.50	4157966.11	1.7420E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3195E-04	0.00E+00
164	ALL	680611.87	4157674.91	1.4992E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8569E-04	0.00E+00
165	ALL	680588.31	4157674.75	1.6091E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0663E-04	0.00E+00
166	ALL	680564.74	4157674.60	1.7635E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3604E-04	0.00E+00
167	ALL	680541.18	4157674.44	1.9979E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8072E-04	0.00E+00
168	ALL	680517.61	4157674.29	2.3954E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5646E-04	0.00E+00
169	ALL	680494.05	4157674.13	3.1809E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.0614E-04	0.00E+00
170	ALL	680632.87	4157633.66	1.2917E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4614E-04	0.00E+00
171	ALL	680674.20	4157651.17	1.2254E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3350E-04	0.00E+00
172	ALL	680715.54	4157668.68	1.1825E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2534E-04	0.00E+00
173	ALL	680756.88	4157686.18	1.1460E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1837E-04	0.00E+00
174	ALL	680798.21	4157703.69	1.0991E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0944E-04	0.00E+00
175	ALL	680839.55	4157721.20	1.0420E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9856E-04	0.00E+00
176	ALL	680889.25	4157759.53	9.8702E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8808E-04	0.00E+00
177	ALL	680905.99	4157801.19	9.9369E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8935E-04	0.00E+00
178	ALL	680922.73	4157842.84	1.0040E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9131E-04	0.00E+00
179	ALL	680931.09	4157863.67	1.0257E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9546E-04	0.00E+00
180	ALL	680947.83	4157905.32	1.1336E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1601E-04	0.00E+00
181	ALL	680956.20	4157926.15	1.2369E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3570E-04	0.00E+00
182	ALL	680972.94	4157967.80	1.6607E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1647E-04	0.00E+00
183	ALL	680588.63	4157624.75	1.4533E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7693E-04	0.00E+00
184	ALL	680565.07	4157624.60	1.6121E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0720E-04	0.00E+00
185	ALL	680541.50	4157624.44	1.8582E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5409E-04	0.00E+00
186	ALL	680517.94	4157624.29	2.2685E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3227E-04	0.00E+00
187	ALL	680494.37	4157624.13	3.0774E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8642E-04	0.00E+00
188	ALL	680632.80	4157583.49	1.1527E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1966E-04	0.00E+00
189	ALL	680673.34	4157600.66	1.0875E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0723E-04	0.00E+00
190	ALL	680713.87	4157617.83	1.0437E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9888E-04	0.00E+00
191	ALL	680754.41	4157635.00	1.0118E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9280E-04	0.00E+00
192	ALL	680794.95	4157652.17	9.7985E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8672E-04	0.00E+00
193	ALL	680835.49	4157669.34	9.4129E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7937E-04	0.00E+00
194	ALL	680876.03	4157686.51	8.9761E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7105E-04	0.00E+00
195	ALL	680924.77	4157724.10	8.5835E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6356E-04	0.00E+00
196	ALL	680941.19	4157764.95	8.6652E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6512E-04	0.00E+00
197	ALL	680957.60	4157805.80	8.6953E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6570E-04	0.00E+00
198	ALL	680974.01	4157846.65	8.9583E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7071E-04	0.00E+00
199	ALL	680990.43	4157887.50	9.7398E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8560E-04	0.00E+00
200	ALL	681006.84	4157928.35	1.1523E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1958E-04	0.00E+00
201	ALL	681023.26	4157969.20	1.5637E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9797E-04	0.00E+00
202	ALL	680588.96	4157574.75	1.3076E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4918E-04	0.00E+00
203	ALL	680565.40	4157574.60	1.4618E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7856E-04	0.00E+00
204	ALL	680541.83	4157574.44	1.6998E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2390E-04	0.00E+00
205	ALL	680518.27	4157574.29	2.1083E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0176E-04	0.00E+00

206	ALL	680494.70	4157574.13	2.9165E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5576E-04	0.00E+00
207	ALL	680634.07	4157533.89	1.0174E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9387E-04	0.00E+00
208	ALL	680655.28	4157542.88	9.8683E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8805E-04	0.00E+00
209	ALL	680676.49	4157551.86	9.6174E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8327E-04	0.00E+00
210	ALL	680697.70	4157560.85	9.4040E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7920E-04	0.00E+00
211	ALL	680718.92	4157569.83	9.2199E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7569E-04	0.00E+00
212	ALL	680740.13	4157578.81	9.0628E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7270E-04	0.00E+00
213	ALL	680761.34	4157587.80	8.9281E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7013E-04	0.00E+00
214	ALL	680782.55	4157596.78	8.8048E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6778E-04	0.00E+00
215	ALL	680803.76	4157605.77	8.6742E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6529E-04	0.00E+00
216	ALL	680824.98	4157614.75	8.5329E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6260E-04	0.00E+00
217	ALL	680846.19	4157623.73	8.3753E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5960E-04	0.00E+00
218	ALL	680867.40	4157632.72	8.2044E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5634E-04	0.00E+00
219	ALL	680888.61	4157641.70	8.0276E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5297E-04	0.00E+00
220	ALL	680909.82	4157650.69	7.8437E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4947E-04	0.00E+00
221	ALL	680931.04	4157659.67	7.6499E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4577E-04	0.00E+00
222	ALL	680960.84	4157690.03	7.5327E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4354E-04	0.00E+00
223	ALL	680969.42	4157711.40	7.5911E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4465E-04	0.00E+00
224	ALL	680978.01	4157732.78	7.6148E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4511E-04	0.00E+00
225	ALL	680986.60	4157754.15	7.6172E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4515E-04	0.00E+00
226	ALL	680995.19	4157775.53	7.6184E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4517E-04	0.00E+00
227	ALL	681003.78	4157796.90	7.6559E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4589E-04	0.00E+00
228	ALL	681012.37	4157818.28	7.7497E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4767E-04	0.00E+00
229	ALL	681020.96	4157839.65	7.9261E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5104E-04	0.00E+00
230	ALL	681029.54	4157861.03	8.2123E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5649E-04	0.00E+00
231	ALL	681038.13	4157882.40	8.6277E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6441E-04	0.00E+00
232	ALL	681046.72	4157903.78	9.2224E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7574E-04	0.00E+00
233	ALL	681055.31	4157925.15	1.0065E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9179E-04	0.00E+00
234	ALL	681063.90	4157946.53	1.1218E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1376E-04	0.00E+00
235	ALL	681072.49	4157967.90	1.2532E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3881E-04	0.00E+00
236	ALL	681081.08	4157989.28	1.1300E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1532E-04	0.00E+00
237	ALL	680612.86	4157524.91	1.0564E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0131E-04	0.00E+00
238	ALL	680589.29	4157524.76	1.1453E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1824E-04	0.00E+00
239	ALL	680565.73	4157524.60	1.2703E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4206E-04	0.00E+00
240	ALL	680542.16	4157524.45	1.4574E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7772E-04	0.00E+00
241	ALL	680518.60	4157524.29	1.7449E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3251E-04	0.00E+00
242	ALL	680495.03	4157524.14	2.1255E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0502E-04	0.00E+00
243	ALL	680471.47	4157523.98	1.6624E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1678E-04	0.00E+00
244	ALL	680430.54	4158077.83	7.7113E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4694E-03	0.00E+00
245	ALL	680412.13	4158105.31	5.9655E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1368E-03	0.00E+00
246	ALL	680422.91	4158070.64	6.9497E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3243E-03	0.00E+00
247	ALL	680410.30	4158086.53	6.0965E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1617E-03	0.00E+00
248	ALL	680438.57	4157973.64	4.0778E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.7705E-04	0.00E+00
249	ALL	680441.02	4157960.92	4.0022E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6264E-04	0.00E+00
250	ALL	680400.41	4158070.50	5.2373E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.9800E-04	0.00E+00
251	ALL	680400.15	4158115.13	5.2704E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0043E-03	0.00E+00
252	ALL	680403.34	4157974.41	2.6620E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0725E-04	0.00E+00
253	ALL	680433.61	4157908.14	3.0121E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7397E-04	0.00E+00
254	ALL	680378.05	4158048.06	3.5192E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7061E-04	0.00E+00
255	ALL	680377.78	4158092.68	4.4985E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.5722E-04	0.00E+00
256	ALL	680377.51	4158137.30	4.2807E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.1571E-04	0.00E+00
257	ALL	680380.90	4157943.77	1.9493E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7145E-04	0.00E+00
258	ALL	680409.21	4157915.81	2.3138E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4090E-04	0.00E+00
259	ALL	680355.68	4158025.61	2.3752E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5262E-04	0.00E+00
260	ALL	680355.55	4158047.92	2.8185E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3708E-04	0.00E+00
261	ALL	680355.28	4158092.55	3.6954E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.0419E-04	0.00E+00
262	ALL	680355.01	4158137.17	3.7588E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.1626E-04	0.00E+00
263	ALL	680357.40	4157946.02	1.6695E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1814E-04	0.00E+00
264	ALL	680392.60	4157900.13	1.9235E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6653E-04	0.00E+00
265	ALL	680430.90	4157884.55	2.7547E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2492E-04	0.00E+00
266	ALL	680333.18	4158025.48	1.9805E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7740E-04	0.00E+00
267	ALL	680332.91	4158070.10	2.7000E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1450E-04	0.00E+00
268	ALL	680332.78	4158092.41	3.0645E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8395E-04	0.00E+00
269	ALL	680332.52	4158137.03	3.3071E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.3018E-04	0.00E+00
270	ALL	680334.23	4157947.47	1.4656E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7928E-04	0.00E+00
271	ALL	680349.84	4157910.43	1.4486E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7604E-04	0.00E+00
272	ALL	680376.26	4157884.33	1.6434E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1315E-04	0.00E+00
273	ALL	680413.49	4157869.19	2.1992E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1908E-04	0.00E+00
274	ALL	680310.68	4158025.34	1.6985E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2366E-04	0.00E+00
275	ALL	680310.55	4158047.66	1.9345E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6863E-04	0.00E+00
276	ALL	680310.15	4158114.59	2.8093E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3532E-04	0.00E+00
277	ALL	680310.02	4158136.90	2.9067E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5389E-04	0.00E+00
278	ALL	680311.25	4157948.47	1.3093E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4950E-04	0.00E+00

279	ALL	680326.54	4157912.18	1.2739E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4276E-04	0.00E+00
280	ALL	680360.07	4157868.48	1.4306E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7261E-04	0.00E+00
281	ALL	680396.54	4157853.64	1.8325E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4920E-04	0.00E+00
282	ALL	680433.02	4157838.81	2.5921E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9394E-04	0.00E+00
283	ALL	680288.18	4158025.21	1.4883E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8360E-04	0.00E+00
284	ALL	680287.91	4158069.83	1.9045E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6291E-04	0.00E+00
285	ALL	680287.78	4158092.14	2.1780E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1504E-04	0.00E+00
286	ALL	680287.52	4158136.77	2.5523E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8636E-04	0.00E+00
287	ALL	680263.96	4157941.75	1.0457E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9926E-04	0.00E+00
288	ALL	680281.05	4157901.17	1.0003E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9061E-04	0.00E+00
289	ALL	680298.15	4157860.60	1.0012E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9078E-04	0.00E+00
290	ALL	680327.09	4157832.03	1.1115E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1180E-04	0.00E+00
291	ALL	680367.87	4157815.44	1.3934E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6552E-04	0.00E+00
292	ALL	680408.65	4157798.85	1.8796E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5817E-04	0.00E+00
293	ALL	680238.18	4158024.91	1.1707E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2308E-04	0.00E+00
294	ALL	680237.92	4158069.53	1.3911E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6508E-04	0.00E+00
295	ALL	680237.65	4158114.16	1.7584E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3508E-04	0.00E+00
296	ALL	680237.38	4158158.78	2.0165E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8425E-04	0.00E+00
297	ALL	680213.29	4157943.03	8.8061E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6781E-04	0.00E+00
298	ALL	680229.94	4157903.52	8.2210E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5666E-04	0.00E+00
299	ALL	680246.59	4157864.01	8.0308E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5303E-04	0.00E+00
300	ALL	680263.24	4157824.50	8.0383E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5317E-04	0.00E+00
301	ALL	680291.42	4157796.67	8.7738E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6719E-04	0.00E+00
302	ALL	680331.14	4157780.51	1.0559E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0121E-04	0.00E+00
303	ALL	680370.86	4157764.36	1.3273E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5292E-04	0.00E+00
304	ALL	680410.58	4157748.21	1.7845E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4005E-04	0.00E+00
305	ALL	680188.18	4158024.61	9.6675E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8422E-04	0.00E+00
306	ALL	680188.05	4158046.93	1.0032E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9117E-04	0.00E+00
307	ALL	680187.78	4158091.55	1.1949E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2770E-04	0.00E+00
308	ALL	680187.52	4158136.17	1.4636E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7890E-04	0.00E+00
309	ALL	680162.84	4157943.80	7.6024E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4487E-04	0.00E+00
310	ALL	680179.20	4157904.99	6.9495E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3243E-04	0.00E+00
311	ALL	680195.55	4157866.18	6.6514E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2675E-04	0.00E+00
312	ALL	680211.90	4157827.38	6.5339E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2451E-04	0.00E+00
313	ALL	680228.26	4157788.57	6.5011E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2388E-04	0.00E+00
314	ALL	680255.94	4157761.23	6.9832E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3307E-04	0.00E+00
315	ALL	680294.94	4157745.37	8.2132E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5651E-04	0.00E+00
316	ALL	680333.95	4157729.50	9.9394E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8940E-04	0.00E+00
317	ALL	680372.96	4157713.64	1.2541E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3898E-04	0.00E+00
318	ALL	680411.97	4157697.77	1.6885E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2176E-04	0.00E+00
319	ALL	680138.18	4158024.32	8.2231E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5670E-04	0.00E+00
320	ALL	680138.05	4158046.63	8.3542E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5919E-04	0.00E+00
321	ALL	680137.78	4158091.25	9.5150E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8131E-04	0.00E+00
322	ALL	680137.52	4158135.87	1.1453E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1825E-04	0.00E+00
323	ALL	680137.39	4158158.18	1.2452E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3729E-04	0.00E+00
324	ALL	680112.53	4157944.25	6.6340E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2641E-04	0.00E+00
325	ALL	680128.67	4157905.95	5.9470E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1332E-04	0.00E+00
326	ALL	680144.81	4157867.65	5.6000E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0671E-04	0.00E+00
327	ALL	680160.95	4157829.35	5.4181E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0325E-04	0.00E+00
328	ALL	680177.09	4157791.04	5.3061E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0111E-04	0.00E+00
329	ALL	680193.23	4157752.74	5.1887E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.8873E-05	0.00E+00
330	ALL	680220.55	4157725.76	5.4629E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0410E-04	0.00E+00
331	ALL	680259.05	4157710.10	6.3243E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2051E-04	0.00E+00
332	ALL	680297.55	4157694.44	7.4800E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4254E-04	0.00E+00
333	ALL	680336.05	4157678.78	9.0998E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7340E-04	0.00E+00
334	ALL	680374.56	4157663.13	1.1566E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2040E-04	0.00E+00
335	ALL	680413.06	4157647.47	1.5695E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9907E-04	0.00E+00
336	ALL	680088.18	4158024.02	7.1238E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3575E-04	0.00E+00
337	ALL	680087.92	4158068.64	7.3907E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4083E-04	0.00E+00
338	ALL	680087.65	4158113.26	8.4662E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6133E-04	0.00E+00
339	ALL	680087.39	4158157.89	1.0011E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9077E-04	0.00E+00
340	ALL	680063.89	4157940.73	5.5652E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0605E-04	0.00E+00
341	ALL	680080.93	4157900.28	4.9549E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.4418E-05	0.00E+00
342	ALL	680097.98	4157859.83	4.6619E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.8836E-05	0.00E+00
343	ALL	680115.03	4157819.37	4.4731E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.5239E-05	0.00E+00
344	ALL	680132.07	4157778.92	4.3135E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2196E-05	0.00E+00
345	ALL	680149.12	4157738.47	4.1193E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.8496E-05	0.00E+00
346	ALL	680186.50	4157689.75	4.0928E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.7992E-05	0.00E+00
347	ALL	680227.16	4157673.21	4.6877E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.9328E-05	0.00E+00
348	ALL	680267.82	4157656.67	5.4738E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0431E-04	0.00E+00
349	ALL	680308.49	4157640.13	6.5747E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2528E-04	0.00E+00
350	ALL	680349.15	4157623.59	8.2112E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5647E-04	0.00E+00
351	ALL	680389.81	4157607.06	1.0893E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0756E-04	0.00E+00
352	ALL	680424.73	4157580.26	1.3889E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6466E-04	0.00E+00
353	ALL	680041.74	4158029.35	6.2453E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1901E-04	0.00E+00

354	ALL	680037.92	4158068.34	6.3351E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2072E-04	0.00E+00
355	ALL	680037.79	4158090.66	6.6379E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2649E-04	0.00E+00
356	ALL	680037.52	4158135.28	7.6021E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4486E-04	0.00E+00
357	ALL	679996.71	4157981.19	4.5425E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.6560E-05	0.00E+00
358	ALL	680013.50	4157941.35	4.2336E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.0674E-05	0.00E+00
359	ALL	680030.29	4157901.50	4.0579E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.7325E-05	0.00E+00
360	ALL	680047.08	4157861.66	3.8898E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.4122E-05	0.00E+00
361	ALL	680063.87	4157821.81	3.7284E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.1047E-05	0.00E+00
362	ALL	680080.66	4157781.97	3.5581E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7802E-05	0.00E+00
363	ALL	680097.45	4157742.13	3.3586E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4001E-05	0.00E+00
364	ALL	680114.24	4157702.28	3.1130E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9321E-05	0.00E+00
365	ALL	680151.06	4157654.29	2.9832E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.6847E-05	0.00E+00
366	ALL	680191.11	4157638.00	3.3114E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.3102E-05	0.00E+00
367	ALL	680231.16	4157621.72	3.7098E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.0693E-05	0.00E+00
368	ALL	680271.21	4157605.43	4.2121E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.0265E-05	0.00E+00
369	ALL	680311.26	4157589.14	4.8704E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.2808E-05	0.00E+00
370	ALL	680351.31	4157572.85	5.7536E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0964E-04	0.00E+00
371	ALL	680391.36	4157556.56	6.9912E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3322E-04	0.00E+00
372	ALL	680428.74	4157533.59	8.3161E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5847E-04	0.00E+00
373	ALL	679988.19	4158023.42	5.2998E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0099E-04	0.00E+00
374	ALL	679987.92	4158068.05	5.4766E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0436E-04	0.00E+00
375	ALL	679987.65	4158112.67	6.0145E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1461E-04	0.00E+00
376	ALL	679987.39	4158157.29	6.8762E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3103E-04	0.00E+00
377	ALL	680435.72	4158214.48	3.6703E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9940E-04	0.00E+00
378	ALL	680413.07	4158191.85	3.8835E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.4002E-04	0.00E+00
379	ALL	680407.92	4158247.95	2.5580E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8745E-04	0.00E+00
380	ALL	680379.61	4158219.66	2.7413E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2236E-04	0.00E+00
381	ALL	680421.15	4158264.33	2.6400E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0307E-04	0.00E+00
382	ALL	680364.04	4158236.38	2.3447E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4680E-04	0.00E+00
383	ALL	680348.21	4158197.86	3.0003E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7173E-04	0.00E+00
384	ALL	680412.23	4158294.60	2.2639E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3141E-04	0.00E+00
385	ALL	680374.77	4158279.23	1.9417E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7001E-04	0.00E+00
386	ALL	680348.35	4158252.83	2.0480E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9026E-04	0.00E+00
387	ALL	680332.96	4158215.38	2.5642E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8862E-04	0.00E+00
388	ALL	680317.58	4158177.94	2.8713E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4714E-04	0.00E+00
389	ALL	680425.75	4158322.59	2.4503E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6692E-04	0.00E+00
390	ALL	680382.95	4158305.03	1.8402E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5067E-04	0.00E+00
391	ALL	680322.55	4158244.67	2.0663E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9375E-04	0.00E+00
392	ALL	680304.97	4158201.87	2.5341E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8288E-04	0.00E+00
393	ALL	680407.35	4158364.90	1.9235E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6653E-04	0.00E+00
394	ALL	680366.33	4158348.07	1.5281E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9119E-04	0.00E+00
395	ALL	680325.31	4158331.25	1.3954E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6590E-04	0.00E+00
396	ALL	680296.37	4158302.33	1.4599E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7819E-04	0.00E+00
397	ALL	680279.52	4158261.31	1.7586E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3511E-04	0.00E+00
398	ALL	680262.66	4158220.30	2.0764E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9567E-04	0.00E+00
399	ALL	680492.30	4158389.99	2.2347E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2583E-04	0.00E+00
400	ALL	680515.71	4158389.84	1.6834E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2078E-04	0.00E+00
401	ALL	680539.12	4158389.69	1.3439E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5608E-04	0.00E+00
402	ALL	680562.53	4158389.53	1.1154E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1255E-04	0.00E+00
403	ALL	680585.94	4158389.38	9.4904E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8084E-04	0.00E+00
404	ALL	680409.28	4158415.56	1.8533E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5316E-04	0.00E+00
405	ALL	680369.33	4158399.17	1.4048E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6770E-04	0.00E+00
406	ALL	680329.38	4158382.78	1.2306E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3450E-04	0.00E+00
407	ALL	680289.43	4158366.39	1.1589E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2084E-04	0.00E+00
408	ALL	680261.24	4158338.23	1.2033E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2930E-04	0.00E+00
409	ALL	680244.83	4158298.28	1.3960E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6602E-04	0.00E+00
410	ALL	680228.42	4158258.34	1.6529E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1498E-04	0.00E+00
411	ALL	680212.00	4158218.40	1.7952E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4209E-04	0.00E+00
412	ALL	680195.59	4158178.45	1.7042E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2475E-04	0.00E+00
413	ALL	680492.63	4158439.99	2.0071E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8246E-04	0.00E+00
414	ALL	680516.04	4158439.84	1.4946E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8480E-04	0.00E+00
415	ALL	680539.45	4158439.68	1.1784E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2455E-04	0.00E+00
416	ALL	680562.86	4158439.53	9.6465E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8382E-04	0.00E+00
417	ALL	680586.27	4158439.38	8.1134E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5461E-04	0.00E+00
418	ALL	680426.73	4158472.58	2.2204E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2311E-04	0.00E+00
419	ALL	680405.33	4158463.80	1.6976E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2349E-04	0.00E+00
420	ALL	680383.93	4158455.02	1.4295E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7240E-04	0.00E+00
421	ALL	680362.52	4158446.24	1.2647E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4100E-04	0.00E+00
422	ALL	680341.12	4158437.46	1.1569E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2046E-04	0.00E+00
423	ALL	680319.72	4158428.68	1.0863E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0699E-04	0.00E+00
424	ALL	680298.31	4158419.90	1.0403E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9823E-04	0.00E+00
425	ALL	680276.91	4158411.12	1.0092E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9231E-04	0.00E+00
426	ALL	680255.51	4158402.34	9.8753E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8818E-04	0.00E+00
427	ALL	680225.31	4158372.17	1.0232E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9497E-04	0.00E+00
428	ALL	680216.52	4158350.77	1.0887E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0746E-04	0.00E+00
429	ALL	680207.73	4158329.37	1.1751E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2392E-04	0.00E+00

430	ALL	680198.93	4158307.97	1.2785E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4363E-04	0.00E+00
431	ALL	680190.14	4158286.57	1.3859E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6409E-04	0.00E+00
432	ALL	680181.35	4158265.18	1.4765E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8136E-04	0.00E+00
433	ALL	680172.56	4158243.78	1.5289E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9135E-04	0.00E+00
434	ALL	680163.76	4158222.38	1.5298E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9151E-04	0.00E+00
435	ALL	680154.97	4158200.98	1.4767E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8139E-04	0.00E+00
436	ALL	680146.18	4158179.58	1.3767E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6233E-04	0.00E+00
437	ALL	680469.54	4158490.14	2.7596E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2585E-04	0.00E+00
438	ALL	680492.95	4158489.99	1.7959E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4222E-04	0.00E+00
439	ALL	680516.36	4158489.84	1.2884E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4551E-04	0.00E+00
440	ALL	680539.78	4158489.68	9.8495E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8769E-04	0.00E+00
441	ALL	680563.19	4158489.53	7.9093E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5072E-04	0.00E+00
442	ALL	680586.60	4158489.38	6.6116E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2599E-04	0.00E+00
443	ALL	680407.31	4158514.48	1.6072E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0627E-04	0.00E+00
444	ALL	680386.45	4158505.92	1.3636E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5983E-04	0.00E+00
445	ALL	680365.60	4158497.37	1.2037E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2937E-04	0.00E+00
446	ALL	680344.74	4158488.81	1.0917E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0803E-04	0.00E+00
447	ALL	680323.89	4158480.26	1.0123E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9291E-04	0.00E+00
448	ALL	680282.18	4158463.15	9.1812E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7495E-04	0.00E+00
449	ALL	680261.32	4158454.59	8.9082E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6975E-04	0.00E+00
450	ALL	680240.47	4158446.04	8.7048E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6588E-04	0.00E+00
451	ALL	680190.19	4158408.08	8.8224E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6812E-04	0.00E+00
452	ALL	680173.06	4158366.38	9.8973E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8860E-04	0.00E+00
453	ALL	680164.49	4158345.53	1.0633E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0263E-04	0.00E+00
454	ALL	680147.36	4158303.83	1.2265E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3373E-04	0.00E+00
455	ALL	680130.22	4158262.13	1.3287E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5319E-04	0.00E+00
456	ALL	680121.66	4158241.29	1.3273E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5292E-04	0.00E+00
457	ALL	680104.52	4158199.59	1.2107E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3071E-04	0.00E+00
458	ALL	680469.87	4158540.14	2.3573E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4921E-04	0.00E+00
459	ALL	680493.28	4158539.99	1.4035E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6745E-04	0.00E+00
460	ALL	680516.69	4158539.84	9.6335E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8357E-04	0.00E+00
461	ALL	680540.10	4158539.68	7.3406E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3988E-04	0.00E+00
462	ALL	680563.52	4158539.53	6.0003E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1434E-04	0.00E+00
463	ALL	680586.93	4158539.38	5.1469E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.8077E-05	0.00E+00
464	ALL	680408.84	4158564.97	1.5051E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8681E-04	0.00E+00
465	ALL	680367.94	4158548.19	1.1265E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1466E-04	0.00E+00
466	ALL	680327.03	4158531.41	9.4988E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8101E-04	0.00E+00
467	ALL	680286.13	4158514.63	8.4981E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6194E-04	0.00E+00
468	ALL	680245.22	4158497.85	7.9533E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5155E-04	0.00E+00
469	ALL	680204.32	4158481.08	7.6323E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4544E-04	0.00E+00
470	ALL	680155.01	4158443.85	7.7314E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4733E-04	0.00E+00
471	ALL	680138.21	4158402.95	8.5267E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6248E-04	0.00E+00
472	ALL	680121.41	4158362.06	9.6829E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8451E-04	0.00E+00
473	ALL	680104.60	4158321.17	1.0958E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0882E-04	0.00E+00
474	ALL	680087.80	4158280.27	1.1691E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2277E-04	0.00E+00
475	ALL	680070.99	4158239.38	1.1323E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1578E-04	0.00E+00
476	ALL	680054.19	4158198.48	9.9549E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8970E-04	0.00E+00
477	ALL	680493.61	4158589.99	7.6803E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4635E-04	0.00E+00
478	ALL	680517.02	4158589.83	6.0489E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1527E-04	0.00E+00
479	ALL	680540.43	4158589.68	5.1178E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.7522E-05	0.00E+00
480	ALL	680563.84	4158589.53	4.4895E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.5550E-05	0.00E+00
481	ALL	680587.25	4158589.37	4.0300E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6795E-05	0.00E+00
482	ALL	680610.67	4158589.22	3.6742E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.0013E-05	0.00E+00
483	ALL	680449.12	4158631.36	6.4461E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2284E-04	0.00E+00
484	ALL	680427.72	4158622.58	1.0074E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9197E-04	0.00E+00
485	ALL	680406.31	4158613.80	1.2246E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3336E-04	0.00E+00
486	ALL	680384.91	4158605.02	1.1216E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1373E-04	0.00E+00
487	ALL	680363.51	4158596.24	1.0132E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9307E-04	0.00E+00
488	ALL	680342.10	4158587.46	9.2733E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7671E-04	0.00E+00
489	ALL	680320.70	4158578.68	8.6067E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6401E-04	0.00E+00
490	ALL	680299.30	4158569.90	8.0984E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5432E-04	0.00E+00
491	ALL	680277.89	4158561.12	7.7148E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4701E-04	0.00E+00
492	ALL	680256.49	4158552.34	7.4258E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4150E-04	0.00E+00
493	ALL	680235.09	4158543.56	7.2067E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3733E-04	0.00E+00
494	ALL	680213.68	4158534.78	7.0358E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3407E-04	0.00E+00
495	ALL	680192.28	4158526.00	6.8998E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3148E-04	0.00E+00
496	ALL	680170.88	4158517.22	6.7853E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2930E-04	0.00E+00
497	ALL	680149.47	4158508.44	6.6944E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2757E-04	0.00E+00
498	ALL	680119.28	4158478.26	6.8781E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3107E-04	0.00E+00
499	ALL	680110.48	4158456.87	7.1770E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3676E-04	0.00E+00
500	ALL	680101.69	4158435.47	7.5438E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4375E-04	0.00E+00
501	ALL	680092.90	4158414.07	7.9875E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5221E-04	0.00E+00
502	ALL	680084.11	4158392.67	8.5039E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6205E-04	0.00E+00
503	ALL	680075.31	4158371.27	9.0640E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7272E-04	0.00E+00
504	ALL	680066.52	4158349.88	9.6101E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8313E-04	0.00E+00
505	ALL	680057.73	4158328.48	1.0064E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9177E-04	0.00E+00

506	ALL	680048.94	4158307.08	1.0342E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9708E-04	0.00E+00
507	ALL	680040.14	4158285.68	1.0386E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9791E-04	0.00E+00
508	ALL	680031.35	4158264.28	1.0173E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9385E-04	0.00E+00
509	ALL	680022.56	4158242.88	9.7233E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8528E-04	0.00E+00
510	ALL	680013.77	4158221.49	9.0917E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7325E-04	0.00E+00
511	ALL	680004.97	4158200.09	8.3535E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5918E-04	0.00E+00
512	ALL	679996.18	4158178.69	7.5918E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4467E-04	0.00E+00
513	ALL	680470.52	4158640.14	4.8357E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.2147E-05	0.00E+00
514	ALL	680493.94	4158639.99	4.2818E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.1592E-05	0.00E+00
515	ALL	680517.35	4158639.83	3.8828E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.3989E-05	0.00E+00
516	ALL	680540.76	4158639.68	3.5662E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7955E-05	0.00E+00
517	ALL	680564.17	4158639.53	3.3023E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2928E-05	0.00E+00
518	ALL	680587.58	4158639.37	3.0801E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8693E-05	0.00E+00
519	ALL	680610.99	4158639.22	2.8895E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5061E-05	0.00E+00
520	ALL	680402.95	4157964.52	2.5304E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8218E-04	0.00E+00
521	ALL	680429.52	4157942.32	3.1378E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9793E-04	0.00E+00
522	ALL	680450.60	4157636.84	2.4966E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7574E-04	0.00E+00
523	ALL	680414.64	4157620.68	1.4935E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8460E-04	0.00E+00
524	ALL	680452.34	4157567.05	2.0640E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9330E-04	0.00E+00
525	ALL	680435.00	4157556.91	1.2225E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3296E-04	0.00E+00
526	ALL	680329.82	4157758.50	1.0156E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9352E-04	0.00E+00
527	ALL	680026.50	4158082.06	6.2849E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1976E-04	0.00E+00
528	ALL	680041.32	4158060.13	6.3201E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2043E-04	0.00E+00
529	ALL	680035.99	4158009.75	6.3566E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2113E-04	0.00E+00
530	ALL	680000.42	4158005.30	5.6224E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0714E-04	0.00E+00
531	ALL	679995.98	4158039.98	5.4573E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0399E-04	0.00E+00
532	ALL	680002.63	4157956.26	4.1767E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.9590E-05	0.00E+00
533	ALL	680034.36	4157913.72	4.2864E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.1679E-05	0.00E+00
534	ALL	680051.45	4157887.92	4.2491E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.0968E-05	0.00E+00
535	ALL	680264.49	4157967.77	1.1729E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2350E-04	0.00E+00
536	ALL	680257.16	4157893.15	8.8952E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6950E-04	0.00E+00
537	ALL	680422.92	4158244.63	2.8621E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4539E-04	0.00E+00
538	ALL	680485.15	4158370.56	2.5748E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9064E-04	0.00E+00
539	ALL	680540.58	4158375.85	1.3728E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6160E-04	0.00E+00
540	ALL	680503.29	4158368.79	2.0223E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8536E-04	0.00E+00
541	ALL	680395.21	4158405.44	1.6503E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1447E-04	0.00E+00
542	ALL	680430.80	4158417.35	2.4642E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6958E-04	0.00E+00
543	ALL	680431.57	4158399.87	2.5123E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7873E-04	0.00E+00
544	ALL	680397.08	4158581.66	1.3074E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4914E-04	0.00E+00
545	ALL	680552.12	4158633.24	3.5786E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.8192E-05	0.00E+00
546	ALL	680504.69	4158638.57	4.1322E-07	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.8742E-05	0.00E+00
547	ALL	680423.46	4158586.40	1.7136E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2654E-04	0.00E+00
548	ALL	680423.17	4158538.08	1.8819E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5861E-04	0.00E+00
549	ALL	680425.54	4158520.29	2.0028E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8165E-04	0.00E+00
550	ALL	680472.16	4158438.52	2.8298E-06	70YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3923E-04	0.00E+00

Health Risk Summary (Summary of HARP2 Results - Operational DPM)

Updated Keyes-Central Commercial Development Project (DPM from Trucks) - Starting After Construction

			MAXHI	MAXHI
	RISK_SUM	Cancer Risk/million	NonCancer Chronic	Acute
Maximum Risk	6.405E-06	6.405	1.4694E-03	0.00E+00
	X	Y		
MER UTM	680430.54	4158077.83	0.0015	
Lat/Long	37°33'07.4"N	120°57'26.6"W		
Receptor #	244			

*HARP - HRACalc v22118 2/16/2026 1:20:43 PM - Cancer Risk - Input File: F:\HRA\0006-010\HARP\03 - KEYES OP DPM After Con\hra\Keyes Op DPM After ConHRAInput.hra
*HARP - HRACalc v22118 2/16/2026 1:20:43 PM - Chronic Risk - Input File: F:\HRA\0006-010\HARP\03 - KEYES OP DPM After Con\hra\Keyes Op DPM After ConHRAInput.hra
*HARP - HRACalc v22118 2/16/2026 1:20:43 PM - Acute Risk - Input File: F:\HRA\0006-010\HARP\03 - KEYES OP DPM After Con\hra\Keyes Op DPM After ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
1	ALL	680829.36	4158182.03	6.2475E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4334E-04	0.00E+00
2	ALL	680812.41	4158222.11	5.5387E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2708E-04	0.00E+00
3	ALL	680795.46	4158262.19	4.9926E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1455E-04	0.00E+00
4	ALL	680778.52	4158302.27	4.5610E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0464E-04	0.00E+00
5	ALL	680749.96	4158330.67	4.5369E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0409E-04	0.00E+00
6	ALL	680709.78	4158347.40	4.9343E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1321E-04	0.00E+00
7	ALL	680669.61	4158364.13	5.4822E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2578E-04	0.00E+00
8	ALL	680629.44	4158380.86	6.2777E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4403E-04	0.00E+00
9	ALL	680838.10	4158139.94	7.5052E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7219E-04	0.00E+00
10	ALL	680838.63	4158095.85	9.7763E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2430E-04	0.00E+00
11	ALL	680839.15	4158051.75	1.3409E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0765E-04	0.00E+00
12	ALL	680879.58	4158182.10	5.3449E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2263E-04	0.00E+00
13	ALL	680863.07	4158221.14	4.7839E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0976E-04	0.00E+00
14	ALL	680846.57	4158260.17	4.3339E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.9434E-05	0.00E+00
15	ALL	680830.06	4158299.21	3.9667E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1009E-05	0.00E+00
16	ALL	680813.55	4158338.24	3.6573E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3912E-05	0.00E+00
17	ALL	680785.74	4158365.90	3.6277E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3231E-05	0.00E+00
18	ALL	680746.62	4158382.20	3.8799E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.9019E-05	0.00E+00
19	ALL	680707.49	4158398.49	4.2135E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.6671E-05	0.00E+00
20	ALL	680668.37	4158414.78	4.6684E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0711E-04	0.00E+00
21	ALL	680629.25	4158431.08	5.3369E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2245E-04	0.00E+00
22	ALL	680888.09	4158140.54	6.3225E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4506E-04	0.00E+00
23	ALL	680888.62	4158096.44	8.3191E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9087E-04	0.00E+00
24	ALL	680889.15	4158052.35	1.1981E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7489E-04	0.00E+00
25	ALL	680929.72	4158182.35	4.5985E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0551E-04	0.00E+00
26	ALL	680913.51	4158220.69	4.1615E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.5479E-05	0.00E+00
27	ALL	680897.30	4158259.03	3.7870E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.6886E-05	0.00E+00
28	ALL	680881.09	4158297.37	3.4767E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.9767E-05	0.00E+00
29	ALL	680864.88	4158335.70	3.2129E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.3715E-05	0.00E+00
30	ALL	680848.67	4158374.04	2.9849E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.8482E-05	0.00E+00
31	ALL	680821.35	4158401.21	2.9583E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7873E-05	0.00E+00
32	ALL	680782.92	4158417.21	3.1237E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.1667E-05	0.00E+00
33	ALL	680744.50	4158433.21	3.3205E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6183E-05	0.00E+00
34	ALL	680706.07	4158449.22	3.5760E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2045E-05	0.00E+00
35	ALL	680667.65	4158465.22	3.9145E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.9812E-05	0.00E+00
36	ALL	680629.22	4158481.22	4.4062E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0109E-04	0.00E+00
37	ALL	680938.09	4158141.14	5.3428E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2258E-04	0.00E+00
38	ALL	680938.62	4158097.04	6.8948E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5819E-04	0.00E+00
39	ALL	680939.15	4158052.95	1.0438E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3948E-04	0.00E+00
40	ALL	680979.82	4158182.70	3.9704E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.1094E-05	0.00E+00
41	ALL	680963.82	4158220.54	3.6417E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.3553E-05	0.00E+00
42	ALL	680947.82	4158258.38	3.3410E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6653E-05	0.00E+00
43	ALL	680931.82	4158296.22	3.0809E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.0686E-05	0.00E+00
44	ALL	680915.82	4158334.06	2.8594E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5603E-05	0.00E+00
45	ALL	680899.82	4158371.90	2.6636E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1111E-05	0.00E+00
46	ALL	680883.82	4158409.74	2.4941E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7222E-05	0.00E+00
47	ALL	680856.86	4158436.56	2.4716E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.6707E-05	0.00E+00
48	ALL	680818.93	4158452.35	2.5823E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9247E-05	0.00E+00
49	ALL	680781.00	4158468.15	2.7090E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2154E-05	0.00E+00
50	ALL	680743.08	4158483.94	2.8587E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5589E-05	0.00E+00
51	ALL	680705.15	4158499.74	3.0413E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9777E-05	0.00E+00
52	ALL	680667.23	4158515.53	3.2794E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.5240E-05	0.00E+00
53	ALL	680629.30	4158531.32	3.5912E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2393E-05	0.00E+00
54	ALL	680988.09	4158141.74	4.5330E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0400E-04	0.00E+00
55	ALL	680988.62	4158097.64	5.6331E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2924E-04	0.00E+00
56	ALL	680989.14	4158053.55	8.3402E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9135E-04	0.00E+00
57	ALL	681029.37	4158184.37	3.4459E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.9061E-05	0.00E+00
58	ALL	681012.47	4158224.33	3.1803E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.2967E-05	0.00E+00
59	ALL	680995.57	4158264.29	2.9332E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7297E-05	0.00E+00
60	ALL	680978.67	4158304.26	2.7084E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2139E-05	0.00E+00
61	ALL	680961.77	4158344.22	2.5172E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7754E-05	0.00E+00
62	ALL	680944.88	4158384.18	2.3482E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3876E-05	0.00E+00
63	ALL	680927.98	4158424.15	2.2005E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0487E-05	0.00E+00
64	ALL	680891.05	4158472.45	2.1096E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8401E-05	0.00E+00
65	ALL	680851.00	4158489.13	2.1946E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0351E-05	0.00E+00
66	ALL	680810.94	4158505.81	2.2874E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2480E-05	0.00E+00

67	ALL	680770.89	4158522.50	2.3927E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4896E-05	0.00E+00
68	ALL	680730.83	4158539.18	2.5146E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7694E-05	0.00E+00
69	ALL	680690.78	4158555.86	2.6643E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.1129E-05	0.00E+00
70	ALL	680650.72	4158572.54	2.8400E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5158E-05	0.00E+00
71	ALL	681038.08	4158142.34	3.8739E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.8881E-05	0.00E+00
72	ALL	681038.61	4158098.24	4.6211E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0602E-04	0.00E+00
73	ALL	681039.14	4158054.15	6.1007E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3997E-04	0.00E+00
74	ALL	681079.49	4158184.66	3.0259E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9425E-05	0.00E+00
75	ALL	681062.85	4158224.03	2.8189E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4675E-05	0.00E+00
76	ALL	681046.20	4158263.39	2.6283E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.0303E-05	0.00E+00
77	ALL	681029.56	4158302.75	2.4444E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.6083E-05	0.00E+00
78	ALL	681012.92	4158342.11	2.2825E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2368E-05	0.00E+00
79	ALL	680996.27	4158381.48	2.1411E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9125E-05	0.00E+00
80	ALL	680979.63	4158420.84	2.0127E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6177E-05	0.00E+00
81	ALL	680962.98	4158460.20	1.8989E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3566E-05	0.00E+00
82	ALL	680926.61	4158507.78	1.8247E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1865E-05	0.00E+00
83	ALL	680887.16	4158524.21	1.8856E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3261E-05	0.00E+00
84	ALL	680847.71	4158540.64	1.9481E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4695E-05	0.00E+00
85	ALL	680808.25	4158557.07	2.0155E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6243E-05	0.00E+00
86	ALL	680768.80	4158573.50	2.0878E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7901E-05	0.00E+00
87	ALL	680729.35	4158589.93	2.1661E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9697E-05	0.00E+00
88	ALL	680689.90	4158606.36	2.2517E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1662E-05	0.00E+00
89	ALL	680650.45	4158622.79	2.3317E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3496E-05	0.00E+00
90	ALL	681088.08	4158142.94	3.3480E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6815E-05	0.00E+00
91	ALL	681088.61	4158098.84	3.8626E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.8622E-05	0.00E+00
92	ALL	681089.14	4158054.75	4.6520E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0673E-04	0.00E+00
93	ALL	681089.67	4158010.65	6.4080E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4702E-04	0.00E+00
94	ALL	680629.68	4157877.99	2.7406E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2879E-04	0.00E+00
95	ALL	680667.86	4157894.16	2.5377E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8223E-04	0.00E+00
96	ALL	680587.02	4157869.75	2.8291E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4910E-04	0.00E+00
97	ALL	680563.46	4157869.59	2.8766E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5998E-04	0.00E+00
98	ALL	680539.89	4157869.44	2.9046E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.6642E-04	0.00E+00
99	ALL	680516.33	4157869.28	2.9937E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.8685E-04	0.00E+00
100	ALL	680492.76	4157869.13	3.3453E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6753E-04	0.00E+00
101	ALL	680629.30	4157855.26	2.3854E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4729E-04	0.00E+00
102	ALL	680666.42	4157870.99	2.2974E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2711E-04	0.00E+00
103	ALL	680703.54	4157886.71	2.0435E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6884E-04	0.00E+00
104	ALL	680729.61	4157913.27	1.8796E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3124E-04	0.00E+00
105	ALL	680587.17	4157847.25	2.4448E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.6093E-04	0.00E+00
106	ALL	680563.61	4157847.09	2.5063E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7504E-04	0.00E+00
107	ALL	680540.04	4157846.94	2.5782E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9153E-04	0.00E+00
108	ALL	680516.48	4157846.78	2.7348E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2745E-04	0.00E+00
109	ALL	680492.91	4157846.63	3.1649E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.2615E-04	0.00E+00
110	ALL	680653.31	4157842.87	2.0909E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7972E-04	0.00E+00
111	ALL	680695.73	4157860.84	1.9453E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4632E-04	0.00E+00
112	ALL	680755.33	4157921.56	1.6827E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8607E-04	0.00E+00
113	ALL	680610.88	4157824.90	2.0873E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7889E-04	0.00E+00
114	ALL	680587.32	4157824.75	2.1605E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9570E-04	0.00E+00
115	ALL	680563.75	4157824.59	2.2359E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1299E-04	0.00E+00
116	ALL	680540.19	4157824.44	2.3419E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3731E-04	0.00E+00
117	ALL	680516.62	4157824.28	2.5466E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8428E-04	0.00E+00
118	ALL	680493.06	4157824.13	3.0337E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9603E-04	0.00E+00
119	ALL	680631.54	4157783.51	1.6663E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8230E-04	0.00E+00
120	ALL	680672.20	4157800.73	1.6450E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7742E-04	0.00E+00
121	ALL	680712.85	4157817.95	1.5702E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6027E-04	0.00E+00
122	ALL	680753.51	4157835.17	1.4338E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2895E-04	0.00E+00
123	ALL	680782.07	4157864.27	1.3571E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1135E-04	0.00E+00
124	ALL	680798.53	4157905.24	1.3613E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1232E-04	0.00E+00
125	ALL	680814.99	4157946.20	1.5111E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4670E-04	0.00E+00
126	ALL	680587.65	4157774.75	1.7480E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0105E-04	0.00E+00
127	ALL	680564.08	4157774.59	1.8467E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2370E-04	0.00E+00
128	ALL	680540.52	4157774.44	1.9979E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5839E-04	0.00E+00
129	ALL	680516.95	4157774.28	2.2735E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2162E-04	0.00E+00
130	ALL	680493.39	4157774.13	2.8462E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.5302E-04	0.00E+00
131	ALL	680631.34	4157733.29	1.3934E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1968E-04	0.00E+00
132	ALL	680670.93	4157750.06	1.3631E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1274E-04	0.00E+00
133	ALL	680710.53	4157766.83	1.3262E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0428E-04	0.00E+00
134	ALL	680750.13	4157783.60	1.2616E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8946E-04	0.00E+00
135	ALL	680789.72	4157800.37	1.1711E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6870E-04	0.00E+00
136	ALL	680817.54	4157828.71	1.1250E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5812E-04	0.00E+00
137	ALL	680833.57	4157868.61	1.1265E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5846E-04	0.00E+00
138	ALL	680849.60	4157908.51	1.1722E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6895E-04	0.00E+00
139	ALL	680865.63	4157948.41	1.3728E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1496E-04	0.00E+00
140	ALL	680587.98	4157724.75	1.5024E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4471E-04	0.00E+00
141	ALL	680564.41	4157724.60	1.6199E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7166E-04	0.00E+00
142	ALL	680540.85	4157724.44	1.7996E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1289E-04	0.00E+00
143	ALL	680517.28	4157724.29	2.1093E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8394E-04	0.00E+00
144	ALL	680493.72	4157724.13	2.7340E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2728E-04	0.00E+00
145	ALL	680633.08	4157683.89	1.2081E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7717E-04	0.00E+00
146	ALL	680654.29	4157692.88	1.1817E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7112E-04	0.00E+00
147	ALL	680675.51	4157701.86	1.1614E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6648E-04	0.00E+00
148	ALL	680696.72	4157710.84	1.1443E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6254E-04	0.00E+00
149	ALL	680717.93	4157719.83	1.1274E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5866E-04	0.00E+00

150	ALL	680739.14	4157728.81	1.1071E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5401E-04	0.00E+00
151	ALL	680760.35	4157737.79	1.0823E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4832E-04	0.00E+00
152	ALL	680781.57	4157746.78	1.0533E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4166E-04	0.00E+00
153	ALL	680802.78	4157755.76	1.0205E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3414E-04	0.00E+00
154	ALL	680823.99	4157764.75	9.8419E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2581E-04	0.00E+00
155	ALL	680853.79	4157795.11	9.5328E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1871E-04	0.00E+00
156	ALL	680862.38	4157816.48	9.5570E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1927E-04	0.00E+00
157	ALL	680870.97	4157837.86	9.5580E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1929E-04	0.00E+00
158	ALL	680879.56	4157859.23	9.6329E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2101E-04	0.00E+00
159	ALL	680888.14	4157880.61	9.8338E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2562E-04	0.00E+00
160	ALL	680896.73	4157901.98	1.0268E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3559E-04	0.00E+00
161	ALL	680905.32	4157923.36	1.1052E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5357E-04	0.00E+00
162	ALL	680913.91	4157944.73	1.2327E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8281E-04	0.00E+00
163	ALL	680922.50	4157966.11	1.4468E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3195E-04	0.00E+00
164	ALL	680611.87	4157674.91	1.2452E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8569E-04	0.00E+00
165	ALL	680588.31	4157674.75	1.3364E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0663E-04	0.00E+00
166	ALL	680564.74	4157674.60	1.4647E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3604E-04	0.00E+00
167	ALL	680541.18	4157674.44	1.6594E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8072E-04	0.00E+00
168	ALL	680517.61	4157674.29	1.9895E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5646E-04	0.00E+00
169	ALL	680494.05	4157674.13	2.6419E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.0614E-04	0.00E+00
170	ALL	680632.87	4157633.66	1.0728E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4614E-04	0.00E+00
171	ALL	680674.20	4157651.17	1.0177E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3350E-04	0.00E+00
172	ALL	680715.54	4157668.68	9.8216E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2534E-04	0.00E+00
173	ALL	680756.88	4157686.18	9.5179E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1837E-04	0.00E+00
174	ALL	680798.21	4157703.69	9.1285E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0944E-04	0.00E+00
175	ALL	680839.55	4157721.20	8.6544E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9856E-04	0.00E+00
176	ALL	680889.25	4157759.53	8.1977E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8808E-04	0.00E+00
177	ALL	680905.99	4157801.19	8.2531E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8935E-04	0.00E+00
178	ALL	680922.73	4157842.84	8.3384E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9131E-04	0.00E+00
179	ALL	680931.09	4157863.67	8.5191E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9546E-04	0.00E+00
180	ALL	680947.83	4157905.32	9.4149E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1601E-04	0.00E+00
181	ALL	680956.20	4157926.15	1.0273E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3570E-04	0.00E+00
182	ALL	680972.94	4157967.80	1.3793E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1647E-04	0.00E+00
183	ALL	680588.63	4157624.75	1.2070E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7693E-04	0.00E+00
184	ALL	680565.07	4157624.60	1.3390E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0720E-04	0.00E+00
185	ALL	680541.50	4157624.44	1.5433E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5409E-04	0.00E+00
186	ALL	680517.94	4157624.29	1.8841E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3227E-04	0.00E+00
187	ALL	680494.37	4157624.13	2.5560E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8642E-04	0.00E+00
188	ALL	680632.80	4157583.49	9.5741E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1966E-04	0.00E+00
189	ALL	680673.34	4157600.66	9.0324E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0723E-04	0.00E+00
190	ALL	680713.87	4157617.83	8.6684E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9888E-04	0.00E+00
191	ALL	680754.41	4157635.00	8.4035E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9280E-04	0.00E+00
192	ALL	680794.95	4157652.17	8.1381E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8672E-04	0.00E+00
193	ALL	680835.49	4157669.34	7.8179E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7937E-04	0.00E+00
194	ALL	680876.03	4157686.51	7.4551E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7105E-04	0.00E+00
195	ALL	680924.77	4157724.10	7.1290E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6356E-04	0.00E+00
196	ALL	680941.19	4157764.95	7.1969E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6512E-04	0.00E+00
197	ALL	680957.60	4157805.80	7.2219E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6570E-04	0.00E+00
198	ALL	680974.01	4157846.65	7.4404E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7071E-04	0.00E+00
199	ALL	680990.43	4157887.50	8.0894E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8560E-04	0.00E+00
200	ALL	681006.84	4157928.35	9.5705E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1958E-04	0.00E+00
201	ALL	681023.26	4157969.20	1.2987E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9797E-04	0.00E+00
202	ALL	680588.96	4157574.75	1.0860E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4918E-04	0.00E+00
203	ALL	680565.40	4157574.60	1.2141E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7856E-04	0.00E+00
204	ALL	680541.83	4157574.44	1.4117E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2390E-04	0.00E+00
205	ALL	680518.27	4157574.29	1.7511E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0176E-04	0.00E+00
206	ALL	680494.70	4157574.13	2.4223E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5576E-04	0.00E+00
207	ALL	680634.07	4157533.89	8.4501E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9387E-04	0.00E+00
208	ALL	680655.28	4157542.88	8.1961E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8805E-04	0.00E+00
209	ALL	680676.49	4157551.86	7.9877E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8327E-04	0.00E+00
210	ALL	680697.70	4157560.85	7.8105E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7920E-04	0.00E+00
211	ALL	680718.92	4157569.83	7.6576E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7569E-04	0.00E+00
212	ALL	680740.13	4157578.81	7.5271E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7270E-04	0.00E+00
213	ALL	680761.34	4157587.80	7.4153E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7013E-04	0.00E+00
214	ALL	680782.55	4157596.78	7.3128E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6778E-04	0.00E+00
215	ALL	680803.76	4157605.77	7.2044E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6529E-04	0.00E+00
216	ALL	680824.98	4157614.75	7.0870E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6260E-04	0.00E+00
217	ALL	680846.19	4157623.73	6.9561E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5960E-04	0.00E+00
218	ALL	680867.40	4157632.72	6.8141E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5634E-04	0.00E+00
219	ALL	680888.61	4157641.70	6.6674E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5297E-04	0.00E+00
220	ALL	680909.82	4157650.69	6.5146E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4947E-04	0.00E+00
221	ALL	680931.04	4157659.67	6.3536E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4577E-04	0.00E+00
222	ALL	680960.84	4157690.03	6.2563E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4354E-04	0.00E+00
223	ALL	680969.42	4157711.40	6.3048E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4465E-04	0.00E+00
224	ALL	680978.01	4157732.78	6.3245E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4511E-04	0.00E+00
225	ALL	680986.60	4157754.15	6.3265E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4515E-04	0.00E+00
226	ALL	680995.19	4157775.53	6.3275E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4517E-04	0.00E+00
227	ALL	681003.78	4157796.90	6.3586E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4589E-04	0.00E+00
228	ALL	681012.37	4157818.28	6.4365E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4767E-04	0.00E+00
229	ALL	681020.96	4157839.65	6.5830E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5104E-04	0.00E+00
230	ALL	681029.54	4157861.03	6.8207E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5649E-04	0.00E+00
231	ALL	681038.13	4157882.40	7.1658E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6441E-04	0.00E+00

232	ALL	681046.72	4157903.78	7.6596E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7574E-04	0.00E+00
233	ALL	681055.31	4157925.15	8.3592E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9179E-04	0.00E+00
234	ALL	681063.90	4157946.53	9.3169E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1376E-04	0.00E+00
235	ALL	681072.49	4157967.90	1.0409E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3881E-04	0.00E+00
236	ALL	681081.08	4157989.28	9.3848E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1532E-04	0.00E+00
237	ALL	680612.86	4157524.91	8.7741E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0131E-04	0.00E+00
238	ALL	680589.29	4157524.76	9.5123E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1824E-04	0.00E+00
239	ALL	680565.73	4157524.60	1.0550E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4206E-04	0.00E+00
240	ALL	680542.16	4157524.45	1.2104E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7772E-04	0.00E+00
241	ALL	680518.60	4157524.29	1.4492E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3251E-04	0.00E+00
242	ALL	680495.03	4157524.14	1.7653E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.0502E-04	0.00E+00
243	ALL	680471.47	4157523.98	1.3807E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1678E-04	0.00E+00
244	ALL	680430.54	4158077.83	6.4047E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4694E-03	0.00E+00
245	ALL	680412.13	4158105.31	4.9547E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1368E-03	0.00E+00
246	ALL	680422.91	4158070.64	5.7721E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3243E-03	0.00E+00
247	ALL	680410.30	4158086.53	5.0635E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1617E-03	0.00E+00
248	ALL	680438.57	4157973.64	3.3868E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.7705E-04	0.00E+00
249	ALL	680441.02	4157960.92	3.3240E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6264E-04	0.00E+00
250	ALL	680400.41	4158070.50	4.3498E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.9800E-04	0.00E+00
251	ALL	680400.15	4158115.13	4.3774E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0043E-03	0.00E+00
252	ALL	680403.34	4157974.41	2.2109E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0725E-04	0.00E+00
253	ALL	680433.61	4157908.14	2.5017E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7397E-04	0.00E+00
254	ALL	680378.05	4158048.06	2.9229E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7061E-04	0.00E+00
255	ALL	680377.78	4158092.68	3.7362E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.5722E-04	0.00E+00
256	ALL	680377.51	4158137.30	3.5553E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.1571E-04	0.00E+00
257	ALL	680380.90	4157943.77	1.6190E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7145E-04	0.00E+00
258	ALL	680409.21	4157915.81	1.9217E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4090E-04	0.00E+00
259	ALL	680355.68	4158025.61	1.9728E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.5262E-04	0.00E+00
260	ALL	680355.55	4158047.92	2.3409E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3708E-04	0.00E+00
261	ALL	680355.28	4158092.55	3.0692E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.0419E-04	0.00E+00
262	ALL	680355.01	4158137.17	3.1219E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.1626E-04	0.00E+00
263	ALL	680357.40	4157946.02	1.3866E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1814E-04	0.00E+00
264	ALL	680392.60	4157900.13	1.5975E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6653E-04	0.00E+00
265	ALL	680430.90	4157884.55	2.2879E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2492E-04	0.00E+00
266	ALL	680333.18	4158025.48	1.6449E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7740E-04	0.00E+00
267	ALL	680332.91	4158070.10	2.2425E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.1450E-04	0.00E+00
268	ALL	680332.78	4158092.41	2.5452E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8395E-04	0.00E+00
269	ALL	680332.52	4158137.03	2.7467E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.3018E-04	0.00E+00
270	ALL	680334.23	4157947.47	1.2173E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7928E-04	0.00E+00
271	ALL	680349.84	4157910.43	1.2031E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7604E-04	0.00E+00
272	ALL	680376.26	4157884.33	1.3649E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1315E-04	0.00E+00
273	ALL	680413.49	4157869.19	1.8266E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1908E-04	0.00E+00
274	ALL	680310.68	4158025.34	1.4107E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2366E-04	0.00E+00
275	ALL	680310.55	4158047.66	1.6067E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6863E-04	0.00E+00
276	ALL	680310.15	4158114.59	2.3332E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3532E-04	0.00E+00
277	ALL	680310.02	4158136.90	2.4142E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5389E-04	0.00E+00
278	ALL	680311.25	4157948.47	1.0874E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4950E-04	0.00E+00
279	ALL	680326.54	4157912.18	1.0581E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4276E-04	0.00E+00
280	ALL	680360.07	4157868.48	1.1882E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7261E-04	0.00E+00
281	ALL	680396.54	4157853.64	1.5220E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4920E-04	0.00E+00
282	ALL	680433.02	4157838.81	2.1529E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9394E-04	0.00E+00
283	ALL	680288.18	4158025.21	1.2361E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8360E-04	0.00E+00
284	ALL	680287.91	4158069.83	1.5818E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6291E-04	0.00E+00
285	ALL	680287.78	4158092.14	1.8090E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.1504E-04	0.00E+00
286	ALL	680287.52	4158136.77	2.1198E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8636E-04	0.00E+00
287	ALL	680263.96	4157941.75	8.6849E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9926E-04	0.00E+00
288	ALL	680281.05	4157901.17	8.3077E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9061E-04	0.00E+00
289	ALL	680298.15	4157860.60	8.3154E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9078E-04	0.00E+00
290	ALL	680327.09	4157832.03	9.2314E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1180E-04	0.00E+00
291	ALL	680367.87	4157815.44	1.1573E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6552E-04	0.00E+00
292	ALL	680408.65	4157798.85	1.5611E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5817E-04	0.00E+00
293	ALL	680238.18	4158024.91	9.7233E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2308E-04	0.00E+00
294	ALL	680237.92	4158069.53	1.1554E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6508E-04	0.00E+00
295	ALL	680237.65	4158114.16	1.4605E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3508E-04	0.00E+00
296	ALL	680237.38	4158158.78	1.6748E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8425E-04	0.00E+00
297	ALL	680213.29	4157943.03	7.3139E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6781E-04	0.00E+00
298	ALL	680229.94	4157903.52	6.8280E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5666E-04	0.00E+00
299	ALL	680246.59	4157864.01	6.6700E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5303E-04	0.00E+00
300	ALL	680263.24	4157824.50	6.6762E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5317E-04	0.00E+00
301	ALL	680291.42	4157796.67	7.2871E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6719E-04	0.00E+00
302	ALL	680331.14	4157780.51	8.7697E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0121E-04	0.00E+00
303	ALL	680370.86	4157764.36	1.1024E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5292E-04	0.00E+00
304	ALL	680410.58	4157748.21	1.4821E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4005E-04	0.00E+00
305	ALL	680188.18	4158024.61	8.0293E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8422E-04	0.00E+00
306	ALL	680188.05	4158046.93	8.3322E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9117E-04	0.00E+00
307	ALL	680187.78	4158091.55	9.9244E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2770E-04	0.00E+00
308	ALL	680187.52	4158136.17	1.2156E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7890E-04	0.00E+00
309	ALL	680162.84	4157943.80	6.3141E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4487E-04	0.00E+00
310	ALL	680179.20	4157904.99	5.7719E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3243E-04	0.00E+00
311	ALL	680195.55	4157866.18	5.5244E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2675E-04	0.00E+00
312	ALL	680211.90	4157827.38	5.4268E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2451E-04	0.00E+00
313	ALL	680228.26	4157788.57	5.3995E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2388E-04	0.00E+00

314	ALL	680255.94	4157761.23	5.7999E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3307E-04	0.00E+00
315	ALL	680294.94	4157745.37	6.8214E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5651E-04	0.00E+00
316	ALL	680333.95	4157729.50	8.2552E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8940E-04	0.00E+00
317	ALL	680372.96	4157713.64	1.0416E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3898E-04	0.00E+00
318	ALL	680411.97	4157697.77	1.4024E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2176E-04	0.00E+00
319	ALL	680138.18	4158024.32	6.8297E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5670E-04	0.00E+00
320	ALL	680138.05	4158046.63	6.9386E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5919E-04	0.00E+00
321	ALL	680137.78	4158091.25	7.9027E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8131E-04	0.00E+00
322	ALL	680137.52	4158135.87	9.5124E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1825E-04	0.00E+00
323	ALL	680137.39	4158158.18	1.0342E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3729E-04	0.00E+00
324	ALL	680112.53	4157944.25	5.5098E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2641E-04	0.00E+00
325	ALL	680128.67	4157905.95	4.9393E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1332E-04	0.00E+00
326	ALL	680144.81	4157867.65	4.6511E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0671E-04	0.00E+00
327	ALL	680160.95	4157829.35	4.5000E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0325E-04	0.00E+00
328	ALL	680177.09	4157791.04	4.4070E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0111E-04	0.00E+00
329	ALL	680193.23	4157752.74	4.3095E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.8873E-05	0.00E+00
330	ALL	680220.55	4157725.76	4.5372E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0410E-04	0.00E+00
331	ALL	680259.05	4157710.10	5.2526E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2051E-04	0.00E+00
332	ALL	680297.55	4157694.44	6.2125E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4254E-04	0.00E+00
333	ALL	680336.05	4157678.78	7.5578E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7340E-04	0.00E+00
334	ALL	680374.56	4157663.13	9.6061E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2040E-04	0.00E+00
335	ALL	680413.06	4157647.47	1.3035E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9907E-04	0.00E+00
336	ALL	680088.18	4158024.02	5.9167E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3575E-04	0.00E+00
337	ALL	680087.92	4158068.64	6.1383E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4083E-04	0.00E+00
338	ALL	680087.65	4158113.26	7.0316E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6133E-04	0.00E+00
339	ALL	680087.39	4158157.89	8.3148E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9077E-04	0.00E+00
340	ALL	680063.89	4157940.73	4.6222E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0605E-04	0.00E+00
341	ALL	680080.93	4157900.28	4.1153E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.4418E-05	0.00E+00
342	ALL	680097.98	4157859.83	3.8720E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.8836E-05	0.00E+00
343	ALL	680115.03	4157819.37	3.7152E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.5239E-05	0.00E+00
344	ALL	680132.07	4157778.92	3.5826E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.2196E-05	0.00E+00
345	ALL	680149.12	4157738.47	3.4213E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.8496E-05	0.00E+00
346	ALL	680186.50	4157689.75	3.3993E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.7992E-05	0.00E+00
347	ALL	680227.16	4157673.21	3.8934E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.9328E-05	0.00E+00
348	ALL	680267.82	4157656.67	4.5463E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0431E-04	0.00E+00
349	ALL	680308.49	4157640.13	5.4606E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2528E-04	0.00E+00
350	ALL	680349.15	4157623.59	6.8199E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5647E-04	0.00E+00
351	ALL	680389.81	4157607.06	9.0468E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0756E-04	0.00E+00
352	ALL	680424.73	4157580.26	1.1536E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6466E-04	0.00E+00
353	ALL	680041.74	4158029.35	5.1871E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1901E-04	0.00E+00
354	ALL	680037.92	4158068.34	5.2616E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2072E-04	0.00E+00
355	ALL	680037.79	4158090.66	5.5131E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2649E-04	0.00E+00
356	ALL	680037.52	4158135.28	6.3139E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4486E-04	0.00E+00
357	ALL	679996.71	4157981.19	3.7728E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.6560E-05	0.00E+00
358	ALL	680013.50	4157941.35	3.5162E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.0674E-05	0.00E+00
359	ALL	680030.29	4157901.50	3.3703E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.7325E-05	0.00E+00
360	ALL	680047.08	4157861.66	3.2306E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.4122E-05	0.00E+00
361	ALL	680063.87	4157821.81	3.0966E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.1047E-05	0.00E+00
362	ALL	680080.66	4157781.97	2.9552E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7802E-05	0.00E+00
363	ALL	680097.45	4157742.13	2.7895E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.4001E-05	0.00E+00
364	ALL	680114.24	4157702.28	2.5855E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9321E-05	0.00E+00
365	ALL	680151.06	4157654.29	2.4777E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.6847E-05	0.00E+00
366	ALL	680191.11	4157638.00	2.7503E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.3102E-05	0.00E+00
367	ALL	680231.16	4157621.72	3.0812E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.0693E-05	0.00E+00
368	ALL	680271.21	4157605.43	3.4984E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.0265E-05	0.00E+00
369	ALL	680311.26	4157589.14	4.0451E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.2808E-05	0.00E+00
370	ALL	680351.31	4157572.85	4.7786E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0964E-04	0.00E+00
371	ALL	680391.36	4157556.56	5.8066E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3322E-04	0.00E+00
372	ALL	680428.74	4157533.59	6.9069E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5847E-04	0.00E+00
373	ALL	679988.19	4158023.42	4.4018E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0099E-04	0.00E+00
374	ALL	679987.92	4158068.05	4.5486E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0436E-04	0.00E+00
375	ALL	679987.65	4158112.67	4.9954E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1461E-04	0.00E+00
376	ALL	679987.39	4158157.29	5.7111E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3103E-04	0.00E+00
377	ALL	680435.72	4158214.48	3.0484E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.9940E-04	0.00E+00
378	ALL	680413.07	4158191.85	3.2254E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.4002E-04	0.00E+00
379	ALL	680407.92	4158247.95	2.1246E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8745E-04	0.00E+00
380	ALL	680379.61	4158219.66	2.2768E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2236E-04	0.00E+00
381	ALL	680421.15	4158264.33	2.1926E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.0307E-04	0.00E+00
382	ALL	680364.04	4158236.38	1.9474E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4680E-04	0.00E+00
383	ALL	680348.21	4158197.86	2.4919E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.7173E-04	0.00E+00
384	ALL	680412.23	4158294.60	1.8803E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.3141E-04	0.00E+00
385	ALL	680374.77	4158279.23	1.6127E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.7001E-04	0.00E+00
386	ALL	680348.35	4158252.83	1.7010E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9026E-04	0.00E+00
387	ALL	680332.96	4158215.38	2.1297E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8862E-04	0.00E+00
388	ALL	680317.58	4158177.94	2.3847E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4714E-04	0.00E+00
389	ALL	680425.75	4158322.59	2.0351E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6692E-04	0.00E+00
390	ALL	680382.95	4158305.03	1.5284E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5067E-04	0.00E+00
391	ALL	680322.55	4158244.67	1.7162E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9375E-04	0.00E+00
392	ALL	680304.97	4158201.87	2.1047E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8288E-04	0.00E+00
393	ALL	680407.35	4158364.90	1.5976E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.6653E-04	0.00E+00
394	ALL	680366.33	4158348.07	1.2692E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9119E-04	0.00E+00
395	ALL	680325.31	4158331.25	1.1589E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6590E-04	0.00E+00
396	ALL	680296.37	4158302.33	1.2125E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7819E-04	0.00E+00
397	ALL	680279.52	4158261.31	1.4606E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.3511E-04	0.00E+00
398	ALL	680262.66	4158220.30	1.7246E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9567E-04	0.00E+00

399	ALL	680492.30	4158389.99	1.8560E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2583E-04	0.00E+00
400	ALL	680515.71	4158389.84	1.3981E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2078E-04	0.00E+00
401	ALL	680539.12	4158389.69	1.1161E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5608E-04	0.00E+00
402	ALL	680562.53	4158389.53	9.2640E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1255E-04	0.00E+00
403	ALL	680585.94	4158389.38	7.8822E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8084E-04	0.00E+00
404	ALL	680409.28	4158415.56	1.5393E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5316E-04	0.00E+00
405	ALL	680369.33	4158399.17	1.1668E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6770E-04	0.00E+00
406	ALL	680329.38	4158382.78	1.0221E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3450E-04	0.00E+00
407	ALL	680289.43	4158366.39	9.6256E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2084E-04	0.00E+00
408	ALL	680261.24	4158338.23	9.9943E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2930E-04	0.00E+00
409	ALL	680244.83	4158298.28	1.1595E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6602E-04	0.00E+00
410	ALL	680228.42	4158258.34	1.3729E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1498E-04	0.00E+00
411	ALL	680212.00	4158218.40	1.4910E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4209E-04	0.00E+00
412	ALL	680195.59	4158178.45	1.4155E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2475E-04	0.00E+00
413	ALL	680492.63	4158439.99	1.6670E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8246E-04	0.00E+00
414	ALL	680516.04	4158439.84	1.2413E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8480E-04	0.00E+00
415	ALL	680539.45	4158439.68	9.7871E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2455E-04	0.00E+00
416	ALL	680562.86	4158439.53	8.0120E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8382E-04	0.00E+00
417	ALL	680586.27	4158439.38	6.7386E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5461E-04	0.00E+00
418	ALL	680426.73	4158472.58	1.8441E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.2311E-04	0.00E+00
419	ALL	680405.33	4158463.80	1.4099E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2349E-04	0.00E+00
420	ALL	680383.93	4158455.02	1.1873E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.7240E-04	0.00E+00
421	ALL	680362.52	4158446.24	1.0504E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4100E-04	0.00E+00
422	ALL	680341.12	4158437.46	9.6089E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2046E-04	0.00E+00
423	ALL	680319.72	4158428.68	9.0220E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0699E-04	0.00E+00
424	ALL	680298.31	4158419.90	8.6399E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9823E-04	0.00E+00
425	ALL	680276.91	4158411.12	8.3818E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9231E-04	0.00E+00
426	ALL	680255.51	4158402.34	8.2020E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8818E-04	0.00E+00
427	ALL	680225.31	4158372.17	8.4980E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9497E-04	0.00E+00
428	ALL	680216.52	4158350.77	9.0423E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0746E-04	0.00E+00
429	ALL	680207.73	4158329.37	9.7595E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2392E-04	0.00E+00
430	ALL	680198.93	4158307.97	1.0619E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4363E-04	0.00E+00
431	ALL	680190.14	4158286.57	1.1511E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6409E-04	0.00E+00
432	ALL	680181.35	4158265.18	1.2263E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8136E-04	0.00E+00
433	ALL	680172.56	4158243.78	1.2699E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9135E-04	0.00E+00
434	ALL	680163.76	4158222.38	1.2706E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.9151E-04	0.00E+00
435	ALL	680154.97	4158200.98	1.2265E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8139E-04	0.00E+00
436	ALL	680146.18	4158179.58	1.1434E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6233E-04	0.00E+00
437	ALL	680469.54	4158490.14	2.2920E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.2585E-04	0.00E+00
438	ALL	680492.95	4158489.99	1.4916E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.4222E-04	0.00E+00
439	ALL	680516.36	4158489.84	1.0701E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4551E-04	0.00E+00
440	ALL	680539.78	4158489.68	8.1805E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8769E-04	0.00E+00
441	ALL	680563.19	4158489.53	6.5691E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5072E-04	0.00E+00
442	ALL	680586.60	4158489.38	5.4913E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2599E-04	0.00E+00
443	ALL	680407.31	4158514.48	1.3349E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.0627E-04	0.00E+00
444	ALL	680386.45	4158505.92	1.1325E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5983E-04	0.00E+00
445	ALL	680365.60	4158497.37	9.9972E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2937E-04	0.00E+00
446	ALL	680344.74	4158488.81	9.0672E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0803E-04	0.00E+00
447	ALL	680323.89	4158480.26	8.4080E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9291E-04	0.00E+00
448	ALL	680282.18	4158463.15	7.6255E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7495E-04	0.00E+00
449	ALL	680261.32	4158454.59	7.3987E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6975E-04	0.00E+00
450	ALL	680240.47	4158446.04	7.2298E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6588E-04	0.00E+00
451	ALL	680190.19	4158408.08	7.3275E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6812E-04	0.00E+00
452	ALL	680173.06	4158366.38	8.2202E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8860E-04	0.00E+00
453	ALL	680164.49	4158345.53	8.8316E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0263E-04	0.00E+00
454	ALL	680147.36	4158303.83	1.0187E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3373E-04	0.00E+00
455	ALL	680130.22	4158262.13	1.1036E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5319E-04	0.00E+00
456	ALL	680121.66	4158241.29	1.1024E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.5292E-04	0.00E+00
457	ALL	680104.52	4158199.59	1.0056E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3071E-04	0.00E+00
458	ALL	680469.87	4158540.14	1.9579E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.4921E-04	0.00E+00
459	ALL	680493.28	4158539.99	1.1657E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6745E-04	0.00E+00
460	ALL	680516.69	4158539.84	8.0011E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8357E-04	0.00E+00
461	ALL	680540.10	4158539.68	6.0968E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3988E-04	0.00E+00
462	ALL	680563.52	4158539.53	4.9835E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1434E-04	0.00E+00
463	ALL	680586.93	4158539.38	4.2747E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.8077E-05	0.00E+00
464	ALL	680408.84	4158564.97	1.2501E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8681E-04	0.00E+00
465	ALL	680367.94	4158548.19	9.3562E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1466E-04	0.00E+00
466	ALL	680327.03	4158531.41	7.8892E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8101E-04	0.00E+00
467	ALL	680286.13	4158514.63	7.0581E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6194E-04	0.00E+00
468	ALL	680245.22	4158497.85	6.6056E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5155E-04	0.00E+00
469	ALL	680204.32	4158481.08	6.3390E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4544E-04	0.00E+00
470	ALL	680155.01	4158443.85	6.4213E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4733E-04	0.00E+00
471	ALL	680138.21	4158402.95	7.0819E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6248E-04	0.00E+00
472	ALL	680121.41	4158362.06	8.0422E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8451E-04	0.00E+00
473	ALL	680104.60	4158321.17	9.1015E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.0882E-04	0.00E+00
474	ALL	680087.80	4158280.27	9.7096E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2277E-04	0.00E+00
475	ALL	680070.99	4158239.38	9.4047E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1578E-04	0.00E+00
476	ALL	680054.19	4158198.48	8.2680E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8970E-04	0.00E+00
477	ALL	680493.61	4158589.99	6.3789E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4635E-04	0.00E+00
478	ALL	680517.02	4158589.83	5.0240E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1527E-04	0.00E+00
479	ALL	680540.43	4158589.68	4.2506E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.7522E-05	0.00E+00
480	ALL	680563.84	4158589.53	3.7288E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.5550E-05	0.00E+00
481	ALL	680587.25	4158589.37	3.3471E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.6795E-05	0.00E+00
482	ALL	680610.67	4158589.22	3.0516E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.0013E-05	0.00E+00
483	ALL	680449.12	4158631.36	5.3538E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2284E-04	0.00E+00
484	ALL	680427.72	4158622.58	8.3672E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9197E-04	0.00E+00

485	ALL	680406.31	4158613.80	1.0171E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3336E-04	0.00E+00
486	ALL	680384.91	4158605.02	9.3156E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.1373E-04	0.00E+00
487	ALL	680363.51	4158596.24	8.4152E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9307E-04	0.00E+00
488	ALL	680342.10	4158587.46	7.7020E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7671E-04	0.00E+00
489	ALL	680320.70	4158578.68	7.1483E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6401E-04	0.00E+00
490	ALL	680299.30	4158569.90	6.7261E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5432E-04	0.00E+00
491	ALL	680277.89	4158561.12	6.4075E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4701E-04	0.00E+00
492	ALL	680256.49	4158552.34	6.1675E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4150E-04	0.00E+00
493	ALL	680235.09	4158543.56	5.9856E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3733E-04	0.00E+00
494	ALL	680213.68	4158534.78	5.8436E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3407E-04	0.00E+00
495	ALL	680192.28	4158526.00	5.7306E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3148E-04	0.00E+00
496	ALL	680170.88	4158517.22	5.6356E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2930E-04	0.00E+00
497	ALL	680149.47	4158508.44	5.5600E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2757E-04	0.00E+00
498	ALL	680119.28	4158478.26	5.7126E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3107E-04	0.00E+00
499	ALL	680110.48	4158456.87	5.9609E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.3676E-04	0.00E+00
500	ALL	680101.69	4158435.47	6.2655E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4375E-04	0.00E+00
501	ALL	680092.90	4158414.07	6.6340E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5221E-04	0.00E+00
502	ALL	680084.11	4158392.67	7.0629E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6205E-04	0.00E+00
503	ALL	680075.31	4158371.27	7.5281E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7272E-04	0.00E+00
504	ALL	680066.52	4158349.88	7.9817E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8313E-04	0.00E+00
505	ALL	680057.73	4158328.48	8.3584E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9177E-04	0.00E+00
506	ALL	680048.94	4158307.08	8.5899E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9708E-04	0.00E+00
507	ALL	680040.14	4158285.68	8.6259E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9791E-04	0.00E+00
508	ALL	680031.35	4158264.28	8.4490E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9385E-04	0.00E+00
509	ALL	680022.56	4158242.88	8.0757E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.8528E-04	0.00E+00
510	ALL	680013.77	4158221.49	7.5512E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.7325E-04	0.00E+00
511	ALL	680004.97	4158200.09	6.9380E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.5918E-04	0.00E+00
512	ALL	679996.18	4158178.69	6.3054E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.4467E-04	0.00E+00
513	ALL	680470.52	4158640.14	4.0163E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	9.2147E-05	0.00E+00
514	ALL	680493.94	4158639.99	3.5562E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.1592E-05	0.00E+00
515	ALL	680517.35	4158639.83	3.2249E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.3989E-05	0.00E+00
516	ALL	680540.76	4158639.68	2.9619E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.7955E-05	0.00E+00
517	ALL	680564.17	4158639.53	2.7428E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.2928E-05	0.00E+00
518	ALL	680587.58	4158639.37	2.5581E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.8693E-05	0.00E+00
519	ALL	680610.99	4158639.22	2.3999E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.5061E-05	0.00E+00
520	ALL	680402.95	4157964.52	2.1016E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.8218E-04	0.00E+00
521	ALL	680429.52	4157942.32	2.6061E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.9793E-04	0.00E+00
522	ALL	680450.60	4157636.84	2.0735E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7574E-04	0.00E+00
523	ALL	680414.64	4157620.68	1.2405E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.8460E-04	0.00E+00
524	ALL	680452.34	4157567.05	1.7142E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.9330E-04	0.00E+00
525	ALL	680435.00	4157556.91	1.0154E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.3296E-04	0.00E+00
526	ALL	680329.82	4157758.50	8.4349E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.9352E-04	0.00E+00
527	ALL	680026.50	4158082.06	5.2200E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.1976E-04	0.00E+00
528	ALL	680041.32	4158060.13	5.2492E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2043E-04	0.00E+00
529	ALL	680035.99	4158009.75	5.2795E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.2113E-04	0.00E+00
530	ALL	680000.42	4158005.30	4.6697E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0714E-04	0.00E+00
531	ALL	679995.98	4158039.98	4.5326E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.0399E-04	0.00E+00
532	ALL	680002.63	4157956.26	3.4690E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.9590E-05	0.00E+00
533	ALL	680034.36	4157913.72	3.5600E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.1679E-05	0.00E+00
534	ALL	680051.45	4157887.92	3.5291E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	8.0968E-05	0.00E+00
535	ALL	680264.49	4157967.77	9.7416E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.2350E-04	0.00E+00
536	ALL	680257.16	4157893.15	7.3879E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	1.6950E-04	0.00E+00
537	ALL	680422.92	4158244.63	2.3771E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.4539E-04	0.00E+00
538	ALL	680485.15	4158370.56	2.1385E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.9064E-04	0.00E+00
539	ALL	680540.58	4158375.85	1.1402E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.6160E-04	0.00E+00
540	ALL	680503.29	4158368.79	1.6796E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8536E-04	0.00E+00
541	ALL	680395.21	4158405.44	1.3707E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.1447E-04	0.00E+00
542	ALL	680430.80	4158417.35	2.0467E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.6958E-04	0.00E+00
543	ALL	680431.57	4158399.87	2.0866E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	4.7873E-04	0.00E+00
544	ALL	680397.08	4158581.66	1.0859E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	2.4914E-04	0.00E+00
545	ALL	680552.12	4158633.24	2.9722E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	6.8192E-05	0.00E+00
546	ALL	680504.69	4158638.57	3.4320E-07	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	7.8742E-05	0.00E+00
547	ALL	680423.46	4158586.40	1.4232E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.2654E-04	0.00E+00
548	ALL	680423.17	4158538.08	1.5630E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.5861E-04	0.00E+00
549	ALL	680425.54	4158520.29	1.6634E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	3.8165E-04	0.00E+00
550	ALL	680472.16	4158438.52	2.3503E-06	69YrCancerHighEnd_InhSoilDermMMilkCropsChickenEgg	5.3923E-04	0.00E+00

HARP2 - HRACalc (dated 22118) 2/15/2026 3:40:37 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 70

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 0
16 to 70 Years Bin: 54

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True

Beef: False
Dairy: False
Pig: False
Chicken: True
Egg: True

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
PIG, CHICKEN, & EGG PATHWAY SETTINGS

Surface area (m^2): 0
Volume (kg): 0

```
Volume changes per year: 0

Pig
Fraction consumed from contaminated water source: 0
Fraction consumed of contaminated leafy crop: 0.25
Fraction consumed of contaminated exposed crop: 0.25
Fraction consumed of contaminated protected crop: 0.25
Fraction consumed of contaminated root crop: 0.25

Chicken
Fraction consumed from contaminated water source: 0
Fraction consumed of contaminated leafy crop: 0.25
Fraction consumed of contaminated exposed crop: 0.25
Fraction consumed of contaminated protected crop: 0.25
Fraction consumed of contaminated root crop: 0.25

Egg
Fraction consumed from contaminated water source: 0
Fraction consumed of contaminated leafy crop: 0.25
Fraction consumed of contaminated exposed crop: 0.25
Fraction consumed of contaminated protected crop: 0.25
Fraction consumed of contaminated root crop: 0.25

**********
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment.  Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: F:\HRA\0006-010\HARP\02 - KEYES OP DPM\hra\Keyes
Op DPMCancerRisk.csv
Cancer risk total by receptor saved to: F:\HRA\0006-010\HARP\02 - KEYES OP DPM\hra\Keyes Op
DPMCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: F:\HRA\0006-010\HARP\02 - KEYES OP DPM\hra\Keyes
Op DPMNCChronicRisk.csv
Chronic risk total by receptor saved to: F:\HRA\0006-010\HARP\02 - KEYES OP DPM\hra\Keyes Op
DPMNCChronicRiskSumByRec.csv
Calculating acute risk
```

```
Acute risk breakdown by pollutant and receptor saved to: F:\HRA\0006-010\HARP\02 - KEYES OP DPM\hra\Keyes Op
DPMNCAcuteRisk.csv
Acute risk total by receptor saved to: F:\HRA\0006-010\HARP\02 - KEYES OP DPM\hra\Keyes Op
DPMNCAcuteRiskSumByRec.csv
HRA ran successfully
```

HARP2 - HRACalc (dated 22118) 2/16/2026 1:20:43 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 1
Total Exposure Duration: 69

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 0
16 to 70 Years Bin: 54

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True

Beef: False
Dairy: False
Pig: False
Chicken: True
Egg: True

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
PIG, CHICKEN, & EGG PATHWAY SETTINGS

Surface area (m^2): 0
Volume (kg): 0

```
Volume changes per year: 0

Pig
Fraction consumed from contaminated water source: 0
Fraction consumed of contaminated leafy crop: 0.25
Fraction consumed of contaminated exposed crop: 0.25
Fraction consumed of contaminated protected crop: 0.25
Fraction consumed of contaminated root crop: 0.25

Chicken
Fraction consumed from contaminated water source: 0
Fraction consumed of contaminated leafy crop: 0.25
Fraction consumed of contaminated exposed crop: 0.25
Fraction consumed of contaminated protected crop: 0.25
Fraction consumed of contaminated root crop: 0.25

Egg
Fraction consumed from contaminated water source: 0
Fraction consumed of contaminated leafy crop: 0.25
Fraction consumed of contaminated exposed crop: 0.25
Fraction consumed of contaminated protected crop: 0.25
Fraction consumed of contaminated root crop: 0.25

**********
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment.  Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: F:\HRA\0006-010\HARP\03 - KEYES OP DPM After
Con\hra\Keyes Op DPM After ConCancerRisk.csv
Cancer risk total by receptor saved to: F:\HRA\0006-010\HARP\03 - KEYES OP DPM After Con\hra\Keyes Op DPM
After ConCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: F:\HRA\0006-010\HARP\03 - KEYES OP DPM After
Con\hra\Keyes Op DPM After ConNCChronicRisk.csv
Chronic risk total by receptor saved to: F:\HRA\0006-010\HARP\03 - KEYES OP DPM After Con\hra\Keyes Op DPM
After ConNCChronicRiskSumByRec.csv
Calculating acute risk
```

```
Acute risk breakdown by pollutant and receptor saved to: F:\HRA\0006-010\HARP\03 - KEYES OP DPM After
Con\hra\Keyes Op DPM After ConNCAcuteRisk.csv
Acute risk total by receptor saved to: F:\HRA\0006-010\HARP\03 - KEYES OP DPM After Con\hra\Keyes Op DPM
After ConNCAcuteRiskSumByRec.csv
HRA ran successfully
```

Health Risk Assessment

Operational Benzene Health Risk Assessment

Keyes-Central Commercial Development Project—Benzene Emissions Calculations

Project: Keyes-Central Commercial Development Project—Stanislaus County, CA

Total Capacity (gallons)	60,000	Total capacity across all storage tanks. Modeled as (4) 15,000 gallon underground storage tanks (gasoline)
Total Annual Throughput (gallons)	1,800,000	Maximum annual gasoline throughput is assumed to be approximately 1,800,000 gallons per year, or on an estimated 150,000 gallons per month (1.8 million gallons per year). This assumption reflects a reasonable throughput for a 12-position neighborhood gasoline station and is used for modeling purposes.

Benzene Emissions Calculations (Based on 24-hr, 7-day per week Operations)

Storage Tank (1 of 4)	Total Capacity (gallons)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Fuel Movement (gallons)	lbs/day	g/day	g/sec
Loading	15,000	450,000	0.001260	1,233	0.002	7.0462E-01	8.1553E-06
Breathing			0.000075	15,000	0.001	5.1029E-01	5.9061E-06

Storage Tank (2 of 4)	Total Capacity (gallons)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Fuel Movement (gallons)	lbs/day	g/day	g/sec
Loading	15,000	450,000	0.001260	1,233	0.002	7.0462E-01	8.1553E-06
Breathing			0.000075	15,000	0.001	5.1029E-01	5.9061E-06

Storage Tank (3 of 4)	Total Capacity (gallons)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Fuel Movement (gallons)	lbs/day	g/day	g/sec
Loading	15,000	450,000	0.001260	1,233	0.002	7.0462E-01	8.1553E-06
Breathing			0.000075	15,000	0.001	5.1029E-01	5.9061E-06

Storage Tank (3 of 4)	Total Capacity (gallons)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Fuel Movement (gallons)	lbs/day	g/day	g/sec
Loading	15,000	450,000	0.001260	1,233	0.002	7.0462E-01	8.1553E-06
Breathing			0.000075	15,000	0.001	5.1029E-01	5.9061E-06

Fuel Dispensers (Total)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	1,800,000	0.000960	4,932	0.005	2.1474E+00	2.4854E-05
Spillage		0.002400	4,932	0.012	5.3685E+00	6.2136E-05

Sources:
BAAQMD Air Toxics NSR Program Health Risk Assessment Guidelines (2016); SCAQMD Emission Inventory and Risk Assessment Guidelines for Gasoline Dispensing Stations (2007); and CAPCOA Gasoline Service Station Industrywide Risk Assessment Guidelines (1997).
Note: Newer technologies may result in an increase in vapor capture that may not be reflected in the health risk assessment. However, the assessment represents a conservative estimate of health risk exposure.

BAAQMD (Bay Area Air Quality Management District). 2016. Air Toxics NSR Program Health Risk Assessment Guidelines. Website: http://www.baaqmd.gov/~/media/files/planning-and-research/p
SCAQMD (South Coast Air Quality Management District). 2007. Emission Inventory and Risk Assessment Guidelines for Gasoline Dispensing Stations.

Fuel Dispensers (Pump Station 1 of 6)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	300,000	0.000960	822	0.001	3.5790E-01	4.1424E-06
Spillage		0.002400	822	0.002	8.9476E-01	1.0356E-05

Fuel Dispensers (Pump Station 2 of 6)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	300,000	0.000960	822	0.001	3.5790E-01	4.1424E-06
Spillage		0.002400	822	0.002	8.9476E-01	1.0356E-05

Fuel Dispensers (Pump Station 3 of 6)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	300,000	0.000960	822	0.001	3.5790E-01	4.1424E-06
Spillage		0.002400	822	0.002	8.9476E-01	1.0356E-05

Fuel Dispensers (Pump Station 4 of 6)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	300,000	0.000960	822	0.001	3.5790E-01	4.1424E-06
Spillage		0.002400	822	0.002	8.9476E-01	1.0356E-05

Fuel Dispensers (Pump Station 5 of 6)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	300,000	0.000960	822	0.001	3.5790E-01	4.1424E-06
Spillage		0.002400	822	0.002	8.9476E-01	1.0356E-05

Fuel Dispensers (Pump Station 6 of 6)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	300,000	0.000960	822	0.001	3.5790E-01	4.1424E-06
Spillage		0.002400	822	0.002	8.9476E-01	1.0356E-05

Benzene Input Summary

Parameter	Location	Source	Height (m)	Diameter (m)	Vertical dimension (m)	Release height (m)	
Loading	Storage tanks	Point	3.66	0.05	-	-	3.66
Breathing	Storage tanks	Point	3.66	0.05	-	-	3.66?
Refueling	Canopy	Volume	-	-	5	1	
Spillage	Canopy	Volume	-	-	5	0	

Storage Tanks (Loading + Breathing)
Fuel Dispensers (Refueling)
Fuel Dispensers (Spillage)

Assumed Hours per Day	Hours of Operation	Hours Per Day	Hours Per Year of Operations	Hours Per Year (24/day)	Factor
Sunday	24 hours	24	1,248	1,248	1.0000
Monday	24 hours	24	1,248	1,248	1.0000
Tuesday	24 hours	24	1,248	1,248	1.0000
Wednesday	24 hours	24	1,248	1,248	1.0000
Thursday	24 hours	24	1,248	1,248	1.0000
Friday	24 hours	24	1,248	1,248	1.0000
Saturday	24 hours	24	1,248	1,248	1.0000

Keyes-Central Commercial Development Project—Benzene Health Risk Calculations for Off-site Receptors

Risk Calculations

1-Hour Average Concentration:	2.97959	1-Hour concentration (µg/m3) from air dispersion model
24-Hour Average Concentration:	1.35403	24-Hour average concentration (µg/m3) from air dispersion model
Annual Average Concentration:	0.13341	annual average concentration (µg/m3) from air dispersion model

Cancer Risk

	3rd trimester	0<2 years	2<9 years	9<16 years	2<16 years	16<30 years	30<70 years	16<70 years
DOSEair = (Cair*(BR/BW)*A*EF*10^{-6})	4.62346E-05	1.39600E-04	8.08144E-05	7.32581E-05	7.32581E-05	3.34272E-05	2.98411E-05	2.98411E-05
Risk = DOSEair * CPF * ASF * ED/AT * FAH	1.65123E-07	3.98858E-06	2.42443E-06	2.19774E-06	4.39549E-06	6.68544E-07	1.70521E-06	2.30203E-06
Exposure Duration (years)	0.25	2	7	7	14	14	40	54

Cancer Risk:

	Risk	in one million	Exposure (years)
70-year exposure	1.085E-05	10.85	70
30-year exposure	9.218E-06	9.22	30
9-year exposure	6.578E-06	6.58	9

	DOSEair		mg/kg-d	Dose through inhalation
	CPF	0.1	$(mg/kg/day)^{-1}$	Cancer Potency Factor for Benzene
BR/BW	BR/BW (3rd trimester)	361	L/kg	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090	bodyweight-	95th percentile used for 3rd trimester and 0<2
	BR/BW (2 < 9 years)	631	day	80th percentile used for all other age bins
	BR/BW (2 < 16 years)	572		
	BR/BW (9 < 16 years)	572		
	BR/BW (16 < 30 years)	261		
	BR/BW (16 < 70 years)	233		
	10^{-6}	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	Cair	0.1	ug/m3	Concentration in air (ug/m3), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (9 < 16 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16<70 years)	40		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	1		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	1		
	FAH (16 - 70 years)	1		

Chronic Noncancer Hazard

Threshold:	1	
Hazard Quotient = Ci/RELi		
HQ =	0.044	Hazard Quotient
C_i	0.133	Concentration in the air of substance i (annual average concentration in µg/m^3)
REL_i	3	Chronic noncancer Reference Exposure Level for substance i (µg/m^3)
Chronic RELi (Benzene):	3	
Chronic RELi (Diesel Exhaust):	5	Shown for informational purposes only (not used in benzene calculations)

Acute NonCancer Hazard

Threshold:	1	
Acute HQ = Maximum Hourly Concentration/Acute REL		
Acute HQ =	0.110	Acute HQ = Maximum Hourly Air Concentration (µg/m^3) / Acute REL (µg/m^3)
Maximum Hourly	2.980	Maximum Hourly Air Concentration (µg/m^3)
Acute (Benzene):	27	Acute REL (µg/m^3)
8-hour (Benzene):	3	
Chronic (Benzene):	3	

Keyes-Central Commercial Development Project—Benzene Health Risk Calculations for Off-site Receptors Starting After Construction

Risk Calculations

1-Hour Average Concentration:	2.97959	1-Hour concentration (µg/m3) from air dispersion model
24-Hour Average Concentration:	1.35403	24-Hour average concentration (µg/m3) from air dispersion model
Annual Average Concentration:	0.13341	annual average concentration (µg/m3) from air dispersion model

Cancer Risk

	3rd trimester	0<2 years	2<9 years	9<16 years	2<16 years	16<30 years	30<70 years	16<70 years
DOSEair = (Cair*(BR/BW)*A*EF*10^{-6})	4.62346E-05	1.39600E-04	8.08144E-05	7.32581E-05	7.32581E-05	3.34272E-05	2.98411E-05	2.98411E-05
Risk = DOSEair * CPF * ASF * ED/AT * FAH	0.00000E+00	1.99429E-06	2.07809E-06	2.19774E-06	4.39549E-06	6.68544E-07	1.70521E-06	2.25940E-06
Exposure Duration (years)	0.25	2	7	7	14	14	40	54

Construction: 1 Year

		Risk	in one million	Exposure (years)
Cancer Risk:	70-Year Exposure (Total) Starting After Construction	8.649E-06	8.65	70

	DOSEair		mg/kg-d	Dose through inhalation
	CPF	0.1	$(mg/kg/day)^{-1}$	Cancer Potency Factor for Benzene
BR/BW	BR/BW (3rd trimester)	361	L/kg	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090	bodyweight-	95th percentile used for 3rd trimester and 0<2
	BR/BW (2 < 9 years)	631	day	80th percentile used for all other age bins
	BR/BW (2 < 16 years)	572		
	BR/BW (9 < 16 years)	572		
	BR/BW (16 < 30 years)	261		
	BR/BW (16 < 70 years)	233		
	10^{-6}	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	Cair	0.1	ug/m3	Concentration in air (ug/m3), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0	years	Exposure duration (years)
	ED (0 < 2 years)	1		
	ED (2 < 9 years)	6		
	ED (9 < 16 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16<70 years)	40		
	ED (16 - 70 years)	53		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	1		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	1		
	FAH (16 - 70 years)	1		

Keyes-Central Commercial Development Project—Benzene Concentrations

AERMOD Output Files (results from actual emissions) 1-Hour and 24-Hour Results

1-HR

Maximum 2.97959

24-HR

Maximum 1.35403

* AERMOD (24142): F:\HRA\0006-010\Keyes Gasoline\Keyes Gasoline.isc 2/16/2026
* AERMET (21112): 6:30:53 AM
* MODELING OPTI ONS USED: Reg DFAULT CONC ELEV FL GPOL RURAL ADJ_U *
* PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
* FOR A TOTAL OF 550 RECEPTORS.
* FORMA T: (3(1X,F13.5) ,3(1X,F8.2), 3X,A5,2X,A 8,2X,A5,5X, A8,2X,I 8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK DATE(CONC)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	DATE(CONC)
680829.36	4158182.03	0.65391	25.3	25.3	1.2	1-HR	ALL	1ST	21010617
680812.41	4158222.11	0.6022	25.02	25.02	1.2	1-HR	ALL	1ST	20020122
680795.46	4158262.19	0.58464	24.99	24.99	1.2	1-HR	ALL	1ST	19010809
680778.52	4158302.27	0.61191	25.02	25.02	1.2	1-HR	ALL	1ST	19012417
680749.96	4158330.67	0.55876	25.01	25.01	1.2	1-HR	ALL	1ST	18011509
680709.78	4158347.4	0.6113	24.99	24.99	1.2	1-HR	ALL	1ST	22011717
680669.61	4158364.13	0.58287	24.99	24.99	1.2	1-HR	ALL	1ST	22121919
680629.44	4158380.86	0.58743	24.95	24.95	1.2	1-HR	ALL	1ST	22122803
680838.1	4158139.94	0.65545	25.3	25.3	1.2	1-HR	ALL	1ST	20122419
680838.63	4158095.85	0.67717	25.47	25.47	1.2	1-HR	ALL	1ST	21123101
680839.15	4158051.75	0.67999	25.46	25.46	1.2	1-HR	ALL	1ST	18120717
680879.58	4158182.1	0.54021	25.43	25.43	1.2	1-HR	ALL	1ST	20021523
680863.07	4158221.14	0.56028	25.21	25.21	1.2	1-HR	ALL	1ST	20010807
680846.57	4158260.17	0.53997	25.02	25.02	1.2	1-HR	ALL	1ST	20020122
680830.06	4158299.21	0.5399	24.91	24.91	1.2	1-HR	ALL	1ST	19010809
680813.55	4158338.24	0.50577	24.76	24.76	1.2	1-HR	ALL	1ST	19012417
680785.74	4158365.9	0.48924	24.78	24.78	1.2	1-HR	ALL	1ST	18011509
680746.62	4158382.2	0.51123	24.99	24.99	1.2	1-HR	ALL	1ST	22011717
680707.49	4158398.49	0.52465	24.99	24.99	1.2	1-HR	ALL	1ST	21120821
680668.37	4158414.78	0.52762	24.99	24.99	1.2	1-HR	ALL	1ST	19013107
680629.25	4158431.08	0.4618	24.72	24.72	1.2	1-HR	ALL	1ST	22012819
680888.09	4158140.54	0.5654	25.6	25.6	1.2	1-HR	ALL	1ST	19010708
680888.62	4158096.44	0.57589	25.6	25.6	1.2	1-HR	ALL	1ST	20120417
680889.15	4158052.35	0.57317	25.72	25.72	1.2	1-HR	ALL	1ST	18120717
680929.72	4158182.35	0.48594	25.43	25.43	1.2	1-HR	ALL	1ST	21120904
680913.51	4158220.69	0.48058	25.3	25.3	1.2	1-HR	ALL	1ST	19010321
680897.3	4158259.03	0.46465	25.3	25.3	1.2	1-HR	ALL	1ST	22013019
680881.09	4158297.37	0.43587	25.3	25.3	1.2	1-HR	ALL	1ST	22122007
680864.88	4158335.7	0.45806	25.18	25.18	1.2	1-HR	ALL	1ST	19010809
680848.67	4158374.04	0.42135	25.04	25.04	1.2	1-HR	ALL	1ST	21120703
680821.35	4158401.21	0.4292	24.77	24.77	1.2	1-HR	ALL	1ST	18011509
680782.92	4158417.21	0.43786	24.7	24.7	1.2	1-HR	ALL	1ST	18122108
680744.5	4158433.21	0.43902	24.99	24.99	1.2	1-HR	ALL	1ST	21011304
680706.07	4158449.22	0.42482	24.99	24.99	1.2	1-HR	ALL	1ST	22011521
680667.65	4158465.22	0.44031	24.99	24.99	1.2	1-HR	ALL	1ST	22122803
680629.22	4158481.22	0.39765	24.69	24.69	1.2	1-HR	ALL	1ST	22012819
680938.09	4158141.14	0.48376	25.6	25.6	1.2	1-HR	ALL	1ST	18020421
680938.62	4158097.04	0.50311	25.62	25.62	1.2	1-HR	ALL	1ST	20120417
680939.15	4158052.95	0.49226	25.84	25.84	1.2	1-HR	ALL	1ST	18120717
680979.82	4158182.7	0.42537	25.6	25.6	1.2	1-HR	ALL	1ST	18120402
680963.82	4158220.54	0.43014	25.34	25.34	1.2	1-HR	ALL	1ST	21022121
680947.82	4158258.38	0.43115	25.3	25.3	1.2	1-HR	ALL	1ST	20010807
680931.82	4158296.22	0.42714	25.3	25.3	1.2	1-HR	ALL	1ST	20020122
680915.82	4158334.06	0.39036	25.3	25.3	1.2	1-HR	ALL	1ST	22121417
680899.82	4158371.9	0.38673	25.3	25.3	1.2	1-HR	ALL	1ST	22022618
680883.82	4158409.74	0.37283	25.25	25.25	1.2	1-HR	ALL	1ST	21120703
680856.86	4158436.56	0.37866	24.82	24.82	1.2	1-HR	ALL	1ST	18011509
680818.93	4158452.35	0.38304	24.69	24.69	1.2	1-HR	ALL	1ST	18020422
680781	4158468.15	0.38745	24.68	24.68	1.2	1-HR	ALL	1ST	21122802
680743.08	4158483.94	0.39941	24.87	24.87	1.2	1-HR	ALL	1ST	21011219
680705.15	4158499.74	0.40564	24.98	24.98	1.2	1-HR	ALL	1ST	19013107
680667.23	4158515.53	0.3671	24.73	24.73	1.2	1-HR	ALL	1ST	22022723
680629.3	4158531.32	0.37618	24.72	24.72	1.2	1-HR	ALL	1ST	19010322
680988.09	4158141.74	0.44305	25.6	25.6	1.2	1-HR	ALL	1ST	21011117
680988.62	4158097.64	0.43334	25.62	25.62	1.2	1-HR	ALL	1ST	19011002
680989.14	4158053.55	0.42924	25.83	25.83	1.2	1-HR	ALL	1ST	18120717
681029.37	4158184.37	0.38028	25.6	25.6	1.2	1-HR	ALL	1ST	20122419
681012.47	4158224.33	0.37544	25.49	25.49	1.2	1-HR	ALL	1ST	22021718
680995.57	4158264.29	0.38743	25.3	25.3	1.2	1-HR	ALL	1ST	18121220
680978.67	4158304.26	0.36008	25.3	25.3	1.2	1-HR	ALL	1ST	22013019
680961.77	4158344.22	0.34963	25.3	25.3	1.2	1-HR	ALL	1ST	22122007
680944.88	4158384.18	0.36879	25.3	25.3	1.2	1-HR	ALL	1ST	19010809
680927.98	4158424.15	0.371	25.1	25.1	1.2	1-HR	ALL	1ST	19012417
680891.05	4158472.45	0.33683	24.99	24.99	1.2	1-HR	ALL	1ST	18011509
680851	4158489.13	0.34232	24.58	24.58	1.2	1-HR	ALL	1ST	21121924
680810.94	4158505.81	0.34088	24.38	24.38	1.2	1-HR	ALL	1ST	21122802
680770.89	4158522.5	0.35951	24.51	24.51	1.2	1-HR	ALL	1ST	21011219
680730.83	4158539.18	0.35904	24.69	24.69	1.2	1-HR	ALL	1ST	19013107
680690.78	4158555.86	0.3398	24.41	24.41	1.2	1-HR	ALL	1ST	22022723

* AERMOD (24142): F:\HRA\0006-010\Keyes Gasoline\Keyes Gasoline.isc 2/16/2026
* AERMET (21112): 6:30:53 AM
* MODELING OPTI ONS USED: Reg DFAULT CONC ELEV FL GPOL RURAL ADJ_U *
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
* FOR A TOTAL OF 550 RECEPTORS.
* FORMA T: (3(1X,F13.5) ,3(1X,F8.2), 3X,A5,2X,A 8,2X,A5,5X, A8,2X,I 8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK DATE(CONC)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	DATE(CONC)
680829.36	4158182.03	0.06209	25.3	25.3	1.2	24-HR	ALL	1ST	18022124
680812.41	4158222.11	0.04327	25.02	25.02	1.2	24-HR	ALL	1ST	20082224
680795.46	4158262.19	0.04614	24.99	24.99	1.2	24-HR	ALL	1ST	18012924
680778.52	4158302.27	0.04032	25.02	25.02	1.2	24-HR	ALL	1ST	21020224
680749.96	4158330.67	0.03741	25.01	25.01	1.2	24-HR	ALL	1ST	18121824
680709.78	4158347.4	0.04518	24.99	24.99	1.2	24-HR	ALL	1ST	21122124
680669.61	4158364.13	0.05935	24.99	24.99	1.2	24-HR	ALL	1ST	22121924
680629.44	4158380.86	0.04281	24.95	24.95	1.2	24-HR	ALL	1ST	22100924
680838.1	4158139.94	0.07265	25.3	25.3	1.2	24-HR	ALL	1ST	18022124
680838.63	4158095.85	0.09564	25.47	25.47	1.2	24-HR	ALL	1ST	22011324
680839.15	4158051.75	0.05834	25.46	25.46	1.2	24-HR	ALL	1ST	22121624
680879.58	4158182.1	0.05722	25.43	25.43	1.2	24-HR	ALL	1ST	18022124
680863.07	4158221.14	0.04417	25.21	25.21	1.2	24-HR	ALL	1ST	18022124
680846.57	4158260.17	0.03734	25.02	25.02	1.2	24-HR	ALL	1ST	18102524
680830.06	4158299.21	0.04076	24.91	24.91	1.2	24-HR	ALL	1ST	18012924
680813.55	4158338.24	0.0334	24.76	24.76	1.2	24-HR	ALL	1ST	21020224
680785.74	4158365.9	0.03245	24.78	24.78	1.2	24-HR	ALL	1ST	18121824
680746.62	4158382.2	0.03748	24.99	24.99	1.2	24-HR	ALL	1ST	20032124
680707.49	4158398.49	0.04838	24.99	24.99	1.2	24-HR	ALL	1ST	21122124
680668.37	4158414.78	0.04301	24.99	24.99	1.2	24-HR	ALL	1ST	22121924
680629.25	4158431.08	0.02868	24.72	24.72	1.2	24-HR	ALL	1ST	22100924
680888.09	4158140.54	0.05548	25.6	25.6	1.2	24-HR	ALL	1ST	20113024
680888.62	4158096.44	0.0762	25.6	25.6	1.2	24-HR	ALL	1ST	22011324
680889.15	4158052.35	0.04795	25.72	25.72	1.2	24-HR	ALL	1ST	22121624
680929.72	4158182.35	0.05167	25.43	25.43	1.2	24-HR	ALL	1ST	18022124
680913.51	4158220.69	0.04209	25.3	25.3	1.2	24-HR	ALL	1ST	18022124
680897.3	4158259.03	0.03304	25.3	25.3	1.2	24-HR	ALL	1ST	22022824
680881.09	4158297.37	0.03467	25.3	25.3	1.2	24-HR	ALL	1ST	18102524
680864.88	4158335.7	0.03415	25.18	25.18	1.2	24-HR	ALL	1ST	18012924
680848.67	4158374.04	0.02799	25.04	25.04	1.2	24-HR	ALL	1ST	21020224
680821.35	4158401.21	0.02833	24.77	24.77	1.2	24-HR	ALL	1ST	18121824
680782.92	4158417.21	0.0304	24.7	24.7	1.2	24-HR	ALL	1ST	20032124
680744.5	4158433.21	0.0408	24.99	24.99	1.2	24-HR	ALL	1ST	21122124
680706.07	4158449.22	0.04398	24.99	24.99	1.2	24-HR	ALL	1ST	22121924
680667.65	4158465.22	0.03179	24.99	24.99	1.2	24-HR	ALL	1ST	22100924
680629.22	4158481.22	0.0208	24.69	24.69	1.2	24-HR	ALL	1ST	22011024
680938.09	4158141.14	0.05076	25.6	25.6	1.2	24-HR	ALL	1ST	22011324
680938.62	4158097.04	0.06096	25.62	25.62	1.2	24-HR	ALL	1ST	22011324
680939.15	4158052.95	0.04032	25.84	25.84	1.2	24-HR	ALL	1ST	22121624
680979.82	4158182.7	0.044	25.6	25.6	1.2	24-HR	ALL	1ST	18022124
680963.82	4158220.54	0.04046	25.34	25.34	1.2	24-HR	ALL	1ST	18101924
680947.82	4158258.38	0.03295	25.3	25.3	1.2	24-HR	ALL	1ST	18022124
680931.82	4158296.22	0.02565	25.3	25.3	1.2	24-HR	ALL	1ST	20082224
680915.82	4158334.06	0.0283	25.3	25.3	1.2	24-HR	ALL	1ST	18031724
680899.82	4158371.9	0.02788	25.3	25.3	1.2	24-HR	ALL	1ST	18012924
680883.82	4158409.74	0.02376	25.25	25.25	1.2	24-HR	ALL	1ST	21020224
680856.86	4158436.56	0.02495	24.82	24.82	1.2	24-HR	ALL	1ST	18121824
680818.93	4158452.35	0.02559	24.69	24.69	1.2	24-HR	ALL	1ST	20012324
680781	4158468.15	0.03289	24.68	24.68	1.2	24-HR	ALL	1ST	21122124
680743.08	4158483.94	0.03617	24.87	24.87	1.2	24-HR	ALL	1ST	22121924
680705.15	4158499.74	0.03026	24.98	24.98	1.2	24-HR	ALL	1ST	22121924
680667.23	4158515.53	0.02464	24.73	24.73	1.2	24-HR	ALL	1ST	22100924
680629.3	4158531.32	0.0205	24.72	24.72	1.2	24-HR	ALL	1ST	19011224
680988.09	4158141.74	0.04957	25.6	25.6	1.2	24-HR	ALL	1ST	22011324
680988.62	4158097.64	0.04925	25.62	25.62	1.2	24-HR	ALL	1ST	22011324
680989.14	4158053.55	0.03452	25.83	25.83	1.2	24-HR	ALL	1ST	22121624
681029.37	4158184.37	0.0362	25.6	25.6	1.2	24-HR	ALL	1ST	18022124
681012.47	4158224.33	0.03725	25.49	25.49	1.2	24-HR	ALL	1ST	18101924
680995.57	4158264.29	0.03086	25.3	25.3	1.2	24-HR	ALL	1ST	18030624
680978.67	4158304.26	0.0248	25.3	25.3	1.2	24-HR	ALL	1ST	20082224
680961.77	4158344.22	0.02713	25.3	25.3	1.2	24-HR	ALL	1ST	18102524
680944.88	4158384.18	0.02734	25.3	25.3	1.2	24-HR	ALL	1ST	18012924
680927.98	4158424.15	0.02355	25.1	25.1	1.2	24-HR	ALL	1ST	21092024
680891.05	4158472.45	0.02207	24.99	24.99	1.2	24-HR	ALL	1ST	18121824
680851	4158489.13	0.02287	24.58	24.58	1.2	24-HR	ALL	1ST	20012324
680810.94	4158505.81	0.02784	24.38	24.38	1.2	24-HR	ALL	1ST	21122124
680770.89	4158522.5	0.03013	24.51	24.51	1.2	24-HR	ALL	1ST	22121924
680730.83	4158539.18	0.02898	24.69	24.69	1.2	24-HR	ALL	1ST	22121924
680690.78	4158555.86	0.02387	24.41	24.41	1.2	24-HR	ALL	1ST	22100924

680650.72	4158572.54	0.29443	24.69	24.69	1.2	1-HR	ALL	1ST	22011023	680650.72	4158572.54	0.01691	24.69	24.69	1.2	24-HR	ALL	1ST	22010224
681038.08	4158142.34	0.39227	25.6	25.6	1.2	1-HR	ALL	1ST	21011117	681038.08	4158142.34	0.04656	25.6	25.6	1.2	24-HR	ALL	1ST	22011324
681038.61	4158098.24	0.38545	25.64	25.64	1.2	1-HR	ALL	1ST	19011002	681038.61	4158098.24	0.04024	25.64	25.64	1.2	24-HR	ALL	1ST	22011324
681039.14	4158054.15	0.37861	25.86	25.86	1.2	1-HR	ALL	1ST	18120717	681039.14	4158054.15	0.0302	25.86	25.86	1.2	24-HR	ALL	1ST	21043024
681079.49	4158184.66	0.34175	25.34	25.34	1.2	1-HR	ALL	1ST	20121219	681079.49	4158184.66	0.03187	25.34	25.34	1.2	24-HR	ALL	1ST	20113024
681062.85	4158224.03	0.34603	25.51	25.51	1.2	1-HR	ALL	1ST	21120904	681062.85	4158224.03	0.03437	25.51	25.51	1.2	24-HR	ALL	1ST	18022124
681046.2	4158263.39	0.35355	25.3	25.3	1.2	1-HR	ALL	1ST	21010617	681046.2	4158263.39	0.02809	25.3	25.3	1.2	24-HR	ALL	1ST	18101924
681029.56	4158302.75	0.34618	25.3	25.3	1.2	1-HR	ALL	1ST	21020618	681029.56	4158302.75	0.02632	25.3	25.3	1.2	24-HR	ALL	1ST	22022824
681012.92	4158342.11	0.34299	25.3	25.3	1.2	1-HR	ALL	1ST	20020122	681012.92	4158342.11	0.01995	25.3	25.3	1.2	24-HR	ALL	1ST	20082224
680996.27	4158381.48	0.31063	25.3	25.3	1.2	1-HR	ALL	1ST	22121417	680996.27	4158381.48	0.02334	25.3	25.3	1.2	24-HR	ALL	1ST	18102524
680979.63	4158420.84	0.32775	25.3	25.3	1.2	1-HR	ALL	1ST	19010809	680979.63	4158420.84	0.02405	25.3	25.3	1.2	24-HR	ALL	1ST	18012924
680962.98	4158460.2	0.33096	25.04	25.04	1.2	1-HR	ALL	1ST	19012417	680962.98	4158460.2	0.02096	25.04	25.04	1.2	24-HR	ALL	1ST	21092024
680926.61	4158507.78	0.30173	24.7	24.7	1.2	1-HR	ALL	1ST	18011509	680926.61	4158507.78	0.01979	24.7	24.7	1.2	24-HR	ALL	1ST	18121824
680887.16	4158524.21	0.30413	24.4	24.4	1.2	1-HR	ALL	1ST	18020422	680887.16	4158524.21	0.02071	24.4	24.4	1.2	24-HR	ALL	1ST	20012324
680847.71	4158540.64	0.32257	24.38	24.38	1.2	1-HR	ALL	1ST	22011717	680847.71	4158540.64	0.02177	24.38	24.38	1.2	24-HR	ALL	1ST	20032124
680808.25	4158557.07	0.32021	24.38	24.38	1.2	1-HR	ALL	1ST	21120821	680808.25	4158557.07	0.02743	24.38	24.38	1.2	24-HR	ALL	1ST	21122124
680768.8	4158573.5	0.30315	24.53	24.53	1.2	1-HR	ALL	1ST	22011521	680768.8	4158573.5	0.02986	24.53	24.53	1.2	24-HR	ALL	1ST	22121924
680729.35	4158589.93	0.29254	24.64	24.64	1.2	1-HR	ALL	1ST	22122803	680729.35	4158589.93	0.02122	24.64	24.64	1.2	24-HR	ALL	1ST	22100924
680689.9	4158606.36	0.27998	24.42	24.42	1.2	1-HR	ALL	1ST	22012819	680689.9	4158606.36	0.0164	24.42	24.42	1.2	24-HR	ALL	1ST	22100924
680650.45	4158622.79	0.30971	24.69	24.69	1.2	1-HR	ALL	1ST	19010322	680650.45	4158622.79	0.01673	24.69	24.69	1.2	24-HR	ALL	1ST	19011224
681088.08	4158142.94	0.34287	25.3	25.3	1.2	1-HR	ALL	1ST	20022706	681088.08	4158142.94	0.04273	25.3	25.3	1.2	24-HR	ALL	1ST	22011324
681088.61	4158098.84	0.34183	25.3	25.3	1.2	1-HR	ALL	1ST	19011002	681088.61	4158098.84	0.03334	25.3	25.3	1.2	24-HR	ALL	1ST	22011324
681089.14	4158054.75	0.33766	25.67	25.67	1.2	1-HR	ALL	1ST	18120717	681089.14	4158054.75	0.02674	25.67	25.67	1.2	24-HR	ALL	1ST	21043024
681089.67	4158010.65	0.33897	25.85	25.85	1.2	1-HR	ALL	1ST	21020221	681089.67	4158010.65	0.03718	25.85	25.85	1.2	24-HR	ALL	1ST	18013124
680629.68	4157877.99	1.10158	24.69	24.69	1.2	1-HR	ALL	1ST	22010503	680629.68	4157877.99	0.20926	24.69	24.69	1.2	24-HR	ALL	1ST	20110924
680667.86	4157894.16	1.08908	24.69	24.69	1.2	1-HR	ALL	1ST	22011807	680667.86	4157894.16	0.11767	24.69	24.69	1.2	24-HR	ALL	1ST	18113024
680587.02	4157869.75	1.05357	24.55	24.55	1.2	1-HR	ALL	1ST	22021723	680587.02	4157869.75	0.14441	24.55	24.55	1.2	24-HR	ALL	1ST	18011024
680563.46	4157869.59	1.14615	24.41	24.41	1.2	1-HR	ALL	1ST	22011804	680563.46	4157869.59	0.12133	24.41	24.41	1.2	24-HR	ALL	1ST	18020624
680539.89	4157869.44	1.18416	24.38	24.38	1.2	1-HR	ALL	1ST	22011907	680539.89	4157869.44	0.11998	24.38	24.38	1.2	24-HR	ALL	1ST	18010624
680516.33	4157869.28	1.1986	24.38	24.38	1.2	1-HR	ALL	1ST	22120702	680516.33	4157869.28	0.13124	24.38	24.38	1.2	24-HR	ALL	1ST	20012724
680492.76	4157869.13	1.1156	24.38	24.38	1.2	1-HR	ALL	1ST	18121207	680492.76	4157869.13	0.12571	24.38	24.38	1.2	24-HR	ALL	1ST	21031824
680629.3	4157855.26	1.08517	24.69	24.69	1.2	1-HR	ALL	1ST	22010922	680629.3	4157855.26	0.14966	24.69	24.69	1.2	24-HR	ALL	1ST	20110924
680666.42	4157870.99	1.02052	24.71	24.71	1.2	1-HR	ALL	1ST	22013017	680666.42	4157870.99	0.16425	24.71	24.71	1.2	24-HR	ALL	1ST	20110924
680703.54	4157886.71	1.01103	24.77	24.77	1.2	1-HR	ALL	1ST	22012717	680703.54	4157886.71	0.11747	24.77	24.77	1.2	24-HR	ALL	1ST	22122324
680729.61	4157913.27	0.90586	24.74	24.74	1.2	1-HR	ALL	1ST	22012419	680729.61	4157913.27	0.10039	24.74	24.74	1.2	24-HR	ALL	1ST	22121224
680587.17	4157847.25	0.94835	24.52	24.52	1.2	1-HR	ALL	1ST	22013122	680587.17	4157847.25	0.09638	24.52	24.52	1.2	24-HR	ALL	1ST	21120424
680563.61	4157847.09	0.98713	24.38	24.38	1.2	1-HR	ALL	1ST	22011804	680563.61	4157847.09	0.10703	24.38	24.38	1.2	24-HR	ALL	1ST	18010624
680540.04	4157846.94	1.05289	24.38	24.38	1.2	1-HR	ALL	1ST	22011907	680540.04	4157846.94	0.10357	24.38	24.38	1.2	24-HR	ALL	1ST	20022924
680516.48	4157846.78	1.03851	24.38	24.38	1.2	1-HR	ALL	1ST	22120702	680516.48	4157846.78	0.11276	24.38	24.38	1.2	24-HR	ALL	1ST	20012724
680492.91	4157846.63	0.98362	24.38	24.38	1.2	1-HR	ALL	1ST	18121207	680492.91	4157846.63	0.10679	24.38	24.38	1.2	24-HR	ALL	1ST	21031824
680653.31	4157842.87	0.89581	24.69	24.69	1.2	1-HR	ALL	1ST	22101024	680653.31	4157842.87	0.15681	24.69	24.69	1.2	24-HR	ALL	1ST	20110924
680695.73	4157860.84	0.89495	24.95	24.95	1.2	1-HR	ALL	1ST	22011707	680695.73	4157860.84	0.09342	24.95	24.95	1.2	24-HR	ALL	1ST	20110924
680755.33	4157921.56	0.85414	24.78	24.78	1.2	1-HR	ALL	1ST	21120903	680755.33	4157921.56	0.0924	24.78	24.78	1.2	24-HR	ALL	1ST	21010324
680610.88	4157824.9	0.82072	24.69	24.69	1.2	1-HR	ALL	1ST	22021723	680610.88	4157824.9	0.10968	24.69	24.69	1.2	24-HR	ALL	1ST	18011024
680587.32	4157824.75	0.88667	24.58	24.58	1.2	1-HR	ALL	1ST	22013122	680587.32	4157824.75	0.08622	24.58	24.58	1.2	24-HR	ALL	1ST	21103024
680563.75	4157824.59	0.91173	24.46	24.46	1.2	1-HR	ALL	1ST	22011301	680563.75	4157824.59	0.09397	24.46	24.46	1.2	24-HR	ALL	1ST	18010624
680540.19	4157824.44	0.93852	24.38	24.38	1.2	1-HR	ALL	1ST	22011508	680540.19	4157824.44	0.09502	24.38	24.38	1.2	24-HR	ALL	1ST	20022924
680516.62	4157824.28	0.89786	24.38	24.38	1.2	1-HR	ALL	1ST	22120702	680516.62	4157824.28	0.09733	24.38	24.38	1.2	24-HR	ALL	1ST	20012724
680493.06	4157824.13	0.87468	24.38	24.38	1.2	1-HR	ALL	1ST	18121207	680493.06	4157824.13	0.09185	24.38	24.38	1.2	24-HR	ALL	1ST	21031824
680631.54	4157783.51	0.66944	24.69	24.69	1.2	1-HR	ALL	1ST	22021723	680631.54	4157783.51	0.08729	24.69	24.69	1.2	24-HR	ALL	1ST	18011024
680672.2	4157800.73	0.80151	24.69	24.69	1.2	1-HR	ALL	1ST	22010724	680672.2	4157800.73	0.1083	24.69	24.69	1.2	24-HR	ALL	1ST	20110924
680712.85	4157817.95	0.73097	24.77	24.77	1.2	1-HR	ALL	1ST	22013017	680712.85	4157817.95	0.11807	24.77	24.77	1.2	24-HR	ALL	1ST	20110924
680753.51	4157835.17	0.76523	24.99	24.99	1.2	1-HR	ALL	1ST	22012817	680753.51	4157835.17	0.06978	24.99	24.99	1.2	24-HR	ALL	1ST	22121324
680782.07	4157864.27	0.76796	24.99	24.99	1.2	1-HR	ALL	1ST	22122309	680782.07	4157864.27	0.08741	24.99	24.99	1.2	24-HR	ALL	1ST	22122324
680798.53	4157905.24	0.7315	25.25	25.25	1.2	1-HR	ALL	1ST	21120903	680798.53	4157905.24	0.07762	25.25	25.25	1.2	24-HR	ALL	1ST	21010324
680814.99	4157946.2	0.71625	25.09	25.09	1.2	1-HR	ALL	1ST	20010408	680814.99	4157946.2	0.07774	25.09	25.09	1.2	24-HR	ALL	1ST	20101924
680587.65	4157774.75	0.69254	24.69	24.69	1.2	1-HR	ALL	1ST	22011804	680587.65	4157774.75	0.0682	24.69	24.69	1.2	24-HR	ALL	1ST	18010624
680564.08	4157774.59	0.73586	24.69	24.69	1.2	1-HR	ALL	1ST	22010617	680564.08	4157774.59	0.06919	24.69	24.69	1.2	24-HR	ALL	1ST	22042724
680540.52	4157774.44	0.71247	24.65	24.65	1.2	1-HR	ALL	1ST	22011508	680540.52	4157774.44	0.07304	24.65	24.65	1.2	24-HR	ALL	1ST	20022924
680516.95	4157774.28	0.6872	24.42	24.42	1.2	1-HR	ALL	1ST	20021601	680516.95	4157774.28	0.07159	24.42	24.42	1.2	24-HR	ALL	1ST	20012724
680493.39	4157774.13	0.6918	24.38	24.38	1.2	1-HR	ALL	1ST	18121207	680493.39	4157774.13	0.06821	24.38	24.38	1.2	24-HR	ALL	1ST	21031824
680631.34	4157733.29	0.58222	24.69	24.69	1.2	1-HR	ALL	1ST	22013122	680631.34	4157733.29	0.05201	24.69	24.69	1.2	24-HR	ALL	1ST	19030424
680670.93	4157750.06	0.66171	24.69	24.69	1.2	1-HR	ALL	1ST	22120602	680670.93	4157750.06	0.07164	24.69	24.69	1.2	24-HR	ALL	1ST	18011024
680710.53	4157766.83	0.62305	24.81	24.81	1.2	1-HR	ALL	1ST	22101024	680710.53	4157766.83	0.09743	24.81	24.81	1.2	24-HR	ALL	1ST	20110924
680750.13	4157783.6	0.64458	24.98	24.98	1.2	1-HR	ALL	1ST	22013017	680750.13	4157783.6	0.0889	24.98	24.98	1.2	24-HR	ALL	1ST	20110924
680789.72	4157800.37	0.65558	24.99	24.99	1.2	1-HR	ALL	1ST	22012817	680789.72	4157800.37	0.05575	24.99	24.99	1.2	24-HR	ALL	1ST	21012324
680817.54	4157828.71	0.63379	25.24	25.24	1.2	1-HR	ALL	1ST	22122309	680817.54	4157828.71	0.08338	25.24	25.24	1.2	24-HR	ALL	1ST	22122324
680833.57	4157868.61	0.61293	25.32	25.32	1.2	1-HR	ALL	1ST	18122705	680833.57	4157868.61	0.05843	25.32	25.32	1.2	24-HR	ALL	1ST	18122024
680849.6	4157908.51	0.60375	25.6	25.6	1.2	1-HR	ALL	1ST	21012201	680849.6	4157908.51	0.06945	25.6	25.6	1.2	24-HR	ALL	1ST	21010324
680865.63	4157948.41	0.60681	25.48	25.48	1.2	1-HR	ALL	1ST	18012921	680865.63	4157948.41	0.05842	25.48	25.48	1.2	24-HR	ALL	1ST	20112224
680587.98	4157724.75	0.58144	24.58	24.58	1.2	1-HR	ALL	1ST	22011301	680587.98	4157724.75	0.05628	24.58	24.58	1.2	24-HR	ALL	1ST	22042724
680564.41	4157724.6	0.6018	24.45	24.45	1.2	1-HR	ALL	1ST	22011907	680564.41	4157724.6	0.05432	24.45	24.45	1.2	24-HR	ALL	1ST	20022924
680540.85	4157724.44	0.57743	24.38	24.38	1.2	1-HR	ALL	1ST	22120702	680540.85	4157724.44	0.05802	24.38	24.38	1.2	24-HR	ALL	1ST	20012724
680517.28	4157724.29	0.57606	24.38	24.38	1.2	1-HR	ALL	1ST	22010420	680517.28	4157724.29	0.05414	24.38	24.38	1.2	24-HR	ALL	1ST	20012724
680493.72	4157724.13	0.56373	24.38	24.38	1.2	1-HR	ALL	1ST	18121207	680493.72	4157724.13	0.05278	24.38	24.38	1.2	24-HR	ALL	1ST	21031824
680633.08	4157683.89	0.49538	24.69	24.69	1.2	1-HR	ALL	1ST	22010604	680633.08	4157683.89	0.04441	24.69	24.69	1.2	24-HR	ALL	1ST	20110324
680654.29	4157692.88	0.47404	24.69	24.69	1.2	1-HR	ALL	1ST	22101902	680654.29	4157692.88	0.04401	24.69	24.69	1.2	24-HR	ALL	1ST	22102624
680675.51	4157701.86	0.48178	24.69	24.69	1.2	1-HR	ALL	1ST	22021723	680675.51	4157701.86	0.06149	24.69	24.69	1.2	24-HR	ALL	1ST	18011024
680696.72	4157710.84	0.58375	24.69	24.69	1.2	1-HR	ALL	1ST	22120602	680696.72	4157710.84	0.0577	24.69	24.69	1.2	24-HR	ALL	1ST	18011024
680717.93	4157719.83	0.58979	24.69	24.69	1.2	1-HR	ALL	1ST	22011004	680717.93	4157719.83	0.06479	24.69	24.69	1.2	24-HR	ALL	1ST	20110924
680739.14	4157728.81	0.53489	24.85	24.85	1.2	1-HR	ALL	1ST	22101024	680739.14	4157728.81	0.07997	24.85	24.85	1.2	24-HR	ALL	1ST	20110924
680760.35	4157737.79	0.52003	24.99	24.99	1.2	1-HR	ALL	1ST	22111806	680760.35	4157737.79	0.08988	24.99	24.99	1.2	24-HR	ALL	1ST	20110924

680781.57	4157746.78	0.53782	24.99	24.99	1.2	1-HR	ALL	1ST	22013017	680781.57	4157746.78	0.07662	24.99	24.99	1.2	24-HR	ALL	1ST	20110924
680802.78	4157755.76	0.53142	24.99	24.99	1.2	1-HR	ALL	1ST	22011706	680802.78	4157755.76	0.04911	24.99	24.99	1.2	24-HR	ALL	1ST	22011724
680823.99	4157764.75	0.56185	25.1	25.1	1.2	1-HR	ALL	1ST	22012817	680823.99	4157764.75	0.04734	25.1	25.1	1.2	24-HR	ALL	1ST	21012324
680853.79	4157795.11	0.51862	25.3	25.3	1.2	1-HR	ALL	1ST	22012901	680853.79	4157795.11	0.0732	25.3	25.3	1.2	24-HR	ALL	1ST	22122324
680862.38	4157816.48	0.54607	25.37	25.37	1.2	1-HR	ALL	1ST	22122309	680862.38	4157816.48	0.05669	25.37	25.37	1.2	24-HR	ALL	1ST	22122324
680870.97	4157837.86	0.51549	25.55	25.55	1.2	1-HR	ALL	1ST	18122705	680870.97	4157837.86	0.04849	25.55	25.55	1.2	24-HR	ALL	1ST	18122024
680879.56	4157859.23	0.52792	25.41	25.41	1.2	1-HR	ALL	1ST	21120903	680879.56	4157859.23	0.05134	25.41	25.41	1.2	24-HR	ALL	1ST	21010324
680888.14	4157880.61	0.52716	25.53	25.53	1.2	1-HR	ALL	1ST	21120220	680888.14	4157880.61	0.05792	25.53	25.53	1.2	24-HR	ALL	1ST	21010324
680896.73	4157901.98	0.52859	25.6	25.6	1.2	1-HR	ALL	1ST	20120406	680896.73	4157901.98	0.05569	25.6	25.6	1.2	24-HR	ALL	1ST	21010324
680905.32	4157923.36	0.55101	25.6	25.6	1.2	1-HR	ALL	1ST	21021308	680905.32	4157923.36	0.05221	25.6	25.6	1.2	24-HR	ALL	1ST	20101924
680913.91	4157944.73	0.53	25.8	25.8	1.2	1-HR	ALL	1ST	20012403	680913.91	4157944.73	0.04887	25.8	25.8	1.2	24-HR	ALL	1ST	20112224
680922.5	4157966.11	0.52488	25.91	25.91	1.2	1-HR	ALL	1ST	18011207	680922.5	4157966.11	0.04983	25.91	25.91	1.2	24-HR	ALL	1ST	21082724
680611.87	4157674.91	0.48058	24.69	24.69	1.2	1-HR	ALL	1ST	22011301	680611.87	4157674.91	0.04382	24.69	24.69	1.2	24-HR	ALL	1ST	18010624
680588.31	4157674.75	0.50626	24.53	24.53	1.2	1-HR	ALL	1ST	22010617	680588.31	4157674.75	0.04607	24.53	24.53	1.2	24-HR	ALL	1ST	22042724
680564.74	4157674.6	0.51118	24.38	24.38	1.2	1-HR	ALL	1ST	22011508	680564.74	4157674.6	0.04795	24.38	24.38	1.2	24-HR	ALL	1ST	20022924
680541.18	4157674.44	0.51294	24.38	24.38	1.2	1-HR	ALL	1ST	22120702	680541.18	4157674.44	0.05024	24.38	24.38	1.2	24-HR	ALL	1ST	20012724
680517.61	4157674.29	0.49197	24.38	24.38	1.2	1-HR	ALL	1ST	22010420	680517.61	4157674.29	0.042	24.38	24.38	1.2	24-HR	ALL	1ST	20012724
680494.05	4157674.13	0.47031	24.38	24.38	1.2	1-HR	ALL	1ST	18121207	680494.05	4157674.13	0.04216	24.38	24.38	1.2	24-HR	ALL	1ST	21031824
680632.87	4157633.66	0.40933	24.69	24.69	1.2	1-HR	ALL	1ST	22011804	680632.87	4157633.66	0.03676	24.69	24.69	1.2	24-HR	ALL	1ST	18010624
680674.2	4157651.17	0.40736	24.69	24.69	1.2	1-HR	ALL	1ST	22101902	680674.2	4157651.17	0.03772	24.69	24.69	1.2	24-HR	ALL	1ST	22102624
680715.54	4157668.68	0.47961	24.69	24.69	1.2	1-HR	ALL	1ST	22120602	680715.54	4157668.68	0.0504	24.69	24.69	1.2	24-HR	ALL	1ST	18011024
680756.88	4157686.18	0.50749	24.7	24.7	1.2	1-HR	ALL	1ST	22010724	680756.88	4157686.18	0.06108	24.7	24.7	1.2	24-HR	ALL	1ST	20110924
680798.21	4157703.69	0.4397	24.93	24.93	1.2	1-HR	ALL	1ST	22113018	680798.21	4157703.69	0.07561	24.93	24.93	1.2	24-HR	ALL	1ST	20110924
680839.55	4157721.2	0.46327	25.05	25.05	1.2	1-HR	ALL	1ST	22011706	680839.55	4157721.2	0.04234	25.05	25.05	1.2	24-HR	ALL	1ST	22011724
680889.25	4157759.53	0.45828	25.3	25.3	1.2	1-HR	ALL	1ST	22012717	680889.25	4157759.53	0.06206	25.3	25.3	1.2	24-HR	ALL	1ST	22122324
680905.99	4157801.19	0.46217	25.32	25.32	1.2	1-HR	ALL	1ST	22012919	680905.99	4157801.19	0.04733	25.32	25.32	1.2	24-HR	ALL	1ST	22121224
680922.73	4157842.84	0.47515	25.6	25.6	1.2	1-HR	ALL	1ST	21120903	680922.73	4157842.84	0.04515	25.6	25.6	1.2	24-HR	ALL	1ST	21010324
680931.09	4157863.67	0.46869	25.6	25.6	1.2	1-HR	ALL	1ST	21120220	680931.09	4157863.67	0.04979	25.6	25.6	1.2	24-HR	ALL	1ST	21010324
680947.83	4157905.32	0.46997	25.65	25.65	1.2	1-HR	ALL	1ST	20010408	680947.83	4157905.32	0.04816	25.65	25.65	1.2	24-HR	ALL	1ST	20101924
680956.2	4157926.15	0.46859	25.84	25.84	1.2	1-HR	ALL	1ST	18012921	680956.2	4157926.15	0.04183	25.84	25.84	1.2	24-HR	ALL	1ST	20112224
680972.94	4157967.8	0.44553	25.91	25.91	1.2	1-HR	ALL	1ST	21010123	680972.94	4157967.8	0.0474	25.91	25.91	1.2	24-HR	ALL	1ST	21082724
680588.63	4157624.75	0.43385	24.69	24.69	1.2	1-HR	ALL	1ST	22011907	680588.63	4157624.75	0.03492	24.69	24.69	1.2	24-HR	ALL	1ST	20022924
680565.07	4157624.6	0.41872	24.6	24.6	1.2	1-HR	ALL	1ST	22011508	680565.07	4157624.6	0.04013	24.6	24.6	1.2	24-HR	ALL	1ST	20022924
680541.5	4157624.44	0.44173	24.39	24.39	1.2	1-HR	ALL	1ST	22120702	680541.5	4157624.44	0.04292	24.39	24.39	1.2	24-HR	ALL	1ST	20012724
680517.94	4157624.29	0.42501	24.39	24.39	1.2	1-HR	ALL	1ST	22010420	680517.94	4157624.29	0.03332	24.39	24.39	1.2	24-HR	ALL	1ST	20012724
680494.37	4157624.13	0.39989	24.38	24.38	1.2	1-HR	ALL	1ST	18121207	680494.37	4157624.13	0.03454	24.38	24.38	1.2	24-HR	ALL	1ST	21031824
680632.8	4157583.49	0.37175	24.69	24.69	1.2	1-HR	ALL	1ST	22011301	680632.8	4157583.49	0.03225	24.69	24.69	1.2	24-HR	ALL	1ST	22042724
680673.34	4157600.66	0.3749	24.69	24.69	1.2	1-HR	ALL	1ST	22013122	680673.34	4157600.66	0.0344	24.69	24.69	1.2	24-HR	ALL	1ST	20110324
680713.87	4157617.83	0.36313	24.69	24.69	1.2	1-HR	ALL	1ST	22121503	680713.87	4157617.83	0.04464	24.69	24.69	1.2	24-HR	ALL	1ST	18011024
680754.41	4157635	0.45898	24.7	24.7	1.2	1-HR	ALL	1ST	22021401	680754.41	4157635	0.04376	24.7	24.7	1.2	24-HR	ALL	1ST	19121524
680794.95	4157652.17	0.40869	24.99	24.99	1.2	1-HR	ALL	1ST	22101024	680794.95	4157652.17	0.05635	24.99	24.99	1.2	24-HR	ALL	1ST	20110924
680835.49	4157669.34	0.39565	24.99	24.99	1.2	1-HR	ALL	1ST	22101424	680835.49	4157669.34	0.0637	24.99	24.99	1.2	24-HR	ALL	1ST	20110924
680876.03	4157686.51	0.40868	25.01	25.01	1.2	1-HR	ALL	1ST	22011706	680876.03	4157686.51	0.03705	25.01	25.01	1.2	24-HR	ALL	1ST	22011724
680924.77	4157724.1	0.43022	25.3	25.3	1.2	1-HR	ALL	1ST	22012717	680924.77	4157724.1	0.05124	25.3	25.3	1.2	24-HR	ALL	1ST	22122324
680941.19	4157764.95	0.4262	25.3	25.3	1.2	1-HR	ALL	1ST	22122309	680941.19	4157764.95	0.04287	25.3	25.3	1.2	24-HR	ALL	1ST	22122324
680957.6	4157805.8	0.40478	25.6	25.6	1.2	1-HR	ALL	1ST	18122705	680957.6	4157805.8	0.03743	25.6	25.6	1.2	24-HR	ALL	1ST	18122024
680974.01	4157846.65	0.41944	25.6	25.6	1.2	1-HR	ALL	1ST	21120220	680974.01	4157846.65	0.04337	25.6	25.6	1.2	24-HR	ALL	1ST	21010324
680990.43	4157887.5	0.41345	25.81	25.81	1.2	1-HR	ALL	1ST	20010408	680990.43	4157887.5	0.04382	25.81	25.81	1.2	24-HR	ALL	1ST	20101924
681006.84	4157928.35	0.41391	25.91	25.91	1.2	1-HR	ALL	1ST	20012403	681006.84	4157928.35	0.03531	25.91	25.91	1.2	24-HR	ALL	1ST	20112224
681023.26	4157969.2	0.39216	25.91	25.91	1.2	1-HR	ALL	1ST	20012304	681023.26	4157969.2	0.0421	25.91	25.91	1.2	24-HR	ALL	1ST	21082724
680588.96	4157574.75	0.36997	24.69	24.69	1.2	1-HR	ALL	1ST	22011508	680588.96	4157574.75	0.03311	24.69	24.69	1.2	24-HR	ALL	1ST	20022924
680565.4	4157574.6	0.36276	24.69	24.69	1.2	1-HR	ALL	1ST	22010504	680565.4	4157574.6	0.03282	24.69	24.69	1.2	24-HR	ALL	1ST	20022924
680541.83	4157574.44	0.37433	24.67	24.67	1.2	1-HR	ALL	1ST	22120702	680541.83	4157574.44	0.03647	24.67	24.67	1.2	24-HR	ALL	1ST	20012724
680518.27	4157574.29	0.37108	24.43	24.43	1.2	1-HR	ALL	1ST	22010420	680518.27	4157574.29	0.02695	24.43	24.43	1.2	24-HR	ALL	1ST	20012724
680494.7	4157574.13	0.34529	24.38	24.38	1.2	1-HR	ALL	1ST	18121207	680494.7	4157574.13	0.02918	24.38	24.38	1.2	24-HR	ALL	1ST	20090724
680634.07	4157533.89	0.33324	24.69	24.69	1.2	1-HR	ALL	1ST	22010617	680634.07	4157533.89	0.03056	24.69	24.69	1.2	24-HR	ALL	1ST	22042724
680655.28	4157542.88	0.31607	24.69	24.69	1.2	1-HR	ALL	1ST	22011301	680655.28	4157542.88	0.02756	24.69	24.69	1.2	24-HR	ALL	1ST	18010624
680676.49	4157551.86	0.33436	24.69	24.69	1.2	1-HR	ALL	1ST	22010604	680676.49	4157551.86	0.02787	24.69	24.69	1.2	24-HR	ALL	1ST	20110324
680697.7	4157560.85	0.34185	24.69	24.69	1.2	1-HR	ALL	1ST	22013122	680697.7	4157560.85	0.02952	24.69	24.69	1.2	24-HR	ALL	1ST	20110324
680718.92	4157569.83	0.29553	24.69	24.69	1.2	1-HR	ALL	1ST	22121503	680718.92	4157569.83	0.0314	24.69	24.69	1.2	24-HR	ALL	1ST	18011024
680740.13	4157578.81	0.32566	24.69	24.69	1.2	1-HR	ALL	1ST	22021723	680740.13	4157578.81	0.04048	24.69	24.69	1.2	24-HR	ALL	1ST	18011024
680761.34	4157587.8	0.37243	24.69	24.69	1.2	1-HR	ALL	1ST	22120602	680761.34	4157587.8	0.0374	24.69	24.69	1.2	24-HR	ALL	1ST	18011024
680782.55	4157596.78	0.41252	24.71	24.71	1.2	1-HR	ALL	1ST	22021401	680782.55	4157596.78	0.03826	24.71	24.71	1.2	24-HR	ALL	1ST	19121524
680803.76	4157605.77	0.39967	24.93	24.93	1.2	1-HR	ALL	1ST	22010922	680803.76	4157605.77	0.04221	24.93	24.93	1.2	24-HR	ALL	1ST	20110924
680824.98	4157614.75	0.36586	24.99	24.99	1.2	1-HR	ALL	1ST	22101024	680824.98	4157614.75	0.04911	24.99	24.99	1.2	24-HR	ALL	1ST	20110924
680846.19	4157623.73	0.36674	24.99	24.99	1.2	1-HR	ALL	1ST	22111806	680846.19	4157623.73	0.05571	24.99	24.99	1.2	24-HR	ALL	1ST	20110924
680867.4	4157632.72	0.3513	24.99	24.99	1.2	1-HR	ALL	1ST	22101424	680867.4	4157632.72	0.05579	24.99	24.99	1.2	24-HR	ALL	1ST	20110924
680888.61	4157641.7	0.38179	24.93	24.93	1.2	1-HR	ALL	1ST	22013017	680888.61	4157641.7	0.04377	24.93	24.93	1.2	24-HR	ALL	1ST	20110924
680909.82	4157650.69	0.36341	24.96	24.96	1.2	1-HR	ALL	1ST	22011706	680909.82	4157650.69	0.03274	24.96	24.96	1.2	24-HR	ALL	1ST	22011724
680931.04	4157659.67	0.36842	24.99	24.99	1.2	1-HR	ALL	1ST	22011807	680931.04	4157659.67	0.03029	24.99	24.99	1.2	24-HR	ALL	1ST	21012324
680960.84	4157690.03	0.38862	25.27	25.27	1.2	1-HR	ALL	1ST	22012717	680960.84	4157690.03	0.04262	25.27	25.27	1.2	24-HR	ALL	1ST	22122324
680969.42	4157711.4	0.36249	25.3	25.3	1.2	1-HR	ALL	1ST	22012901	680969.42	4157711.4	0.04987	25.3	25.3	1.2	24-HR	ALL	1ST	22122324
680978.01	4157732.78	0.40012	25.3	25.3	1.2	1-HR	ALL	1ST	22122309	680978.01	4157732.78	0.04243	25.3	25.3	1.2	24-HR	ALL	1ST	22122324
680986.6	4157754.15	0.3644	25.37	25.37	1.2	1-HR	ALL	1ST	22012919	680986.6	4157754.15	0.03612	25.37	25.37	1.2	24-HR	ALL	1ST	22121224
680995.19	4157775.53	0.37457	25.6	25.6	1.2	1-HR	ALL	1ST	21011805	680995.19	4157775.53	0.03402	25.6	25.6	1.2	24-HR	ALL	1ST	18122024
681003.78	4157796.9	0.36871	25.6	25.6	1.2	1-HR	ALL	1ST	21120903	681003.78	4157796.9	0.03313	25.6	25.6	1.2	24-HR	ALL	1ST	21010324
681012.37	4157818.28	0.3739	25.6	25.6	1.2	1-HR	ALL	1ST	18021006	681012.37	4157818.28	0.03667	25.6	25.6	1.2	24-HR	ALL	1ST	21010324
681020.96	4157839.65	0.36247	25.6	25.6	1.2	1-HR	ALL	1ST	21120220	681020.96	4157839.65	0.03894	25.6	25.6	1.2	24-HR	ALL	1ST	21010324
681029.54	4157861.03	0.36308	25.6	25.6	1.2	1-HR	ALL	1ST	18020908	681029.54	4157861.03	0.039	25.6	25.6	1.2	24-HR	ALL	1ST	20101924
681038.13	4157882.4	0.38702	25.78	25.78	1.2	1-HR	ALL	1ST	21021308	681038.13	4157882.4	0.03505	25.78	25.78	1.2	24-HR	ALL	1ST	20101924
681046.72	4157903.78	0.37505	25.91	25.91	1.2	1-HR	ALL	1ST	18012921	681046.72	4157903.78	0.03138	25.91	25.91	1.2	24-HR	ALL	1ST	20112224
681055.31	4157925.15	0.37029	25.91	25.91	1.2	1-HR	ALL	1ST	21120501	681055.31	4157925.15	0.03073	25.91	25.91	1.2	24-HR	ALL	1ST	20112224

681063.9	4157946.53	0.36554	25.91	25.91	1.2	1-HR	ALL	1ST	18011207	681063.9	4157946.53	0.03566	25.91	25.91	1.2	24-HR	ALL	1ST	21082724
681072.49	4157967.9	0.36374	25.91	25.91	1.2	1-HR	ALL	1ST	20012304	681072.49	4157967.9	0.03659	25.91	25.91	1.2	24-HR	ALL	1ST	21082724
681081.08	4157989.28	0.39036	25.91	25.91	1.2	1-HR	ALL	1ST	21011717	681081.08	4157989.28	0.03388	25.91	25.91	1.2	24-HR	ALL	1ST	18013124
680612.86	4157524.91	0.32965	24.69	24.69	1.2	1-HR	ALL	1ST	22011907	680612.86	4157524.91	0.02555	24.69	24.69	1.2	24-HR	ALL	1ST	22042724
680589.29	4157524.76	0.33235	24.69	24.69	1.2	1-HR	ALL	1ST	22011508	680589.29	4157524.76	0.02981	24.69	24.69	1.2	24-HR	ALL	1ST	20022924
680565.73	4157524.6	0.31395	24.61	24.61	1.2	1-HR	ALL	1ST	22120702	680565.73	4157524.6	0.03003	24.61	24.61	1.2	24-HR	ALL	1ST	20012724
680542.16	4157524.45	0.31557	24.38	24.38	1.2	1-HR	ALL	1ST	22120702	680542.16	4157524.45	0.03103	24.38	24.38	1.2	24-HR	ALL	1ST	20012724
680518.6	4157524.29	0.32716	24.38	24.38	1.2	1-HR	ALL	1ST	22010420	680518.6	4157524.29	0.02296	24.38	24.38	1.2	24-HR	ALL	1ST	20090724
680495.03	4157524.14	0.302	24.38	24.38	1.2	1-HR	ALL	1ST	18121207	680495.03	4157524.14	0.0253	24.38	24.38	1.2	24-HR	ALL	1ST	20090724
680471.47	4157523.98	0.31262	24.38	24.38	1.2	1-HR	ALL	1ST	22020319	680471.47	4157523.98	0.03075	24.38	24.38	1.2	24-HR	ALL	1ST	21031824
680430.54	4158077.83	2.97959	24.69	24.69	1.2	1-HR	ALL	1ST	22012323	680430.54	4158077.83	1.35403	24.69	24.69	1.2	24-HR	ALL	1ST	21113024
680412.13	4158105.31	2.5044	24.69	24.69	1.2	1-HR	ALL	1ST	20121609	680412.13	4158105.31	0.80496	24.69	24.69	1.2	24-HR	ALL	1ST	21112224
680422.91	4158070.64	2.85564	24.69	24.69	1.2	1-HR	ALL	1ST	22010720	680422.91	4158070.64	0.8436	24.69	24.69	1.2	24-HR	ALL	1ST	21113024
680410.3	4158086.53	2.47498	24.69	24.69	1.2	1-HR	ALL	1ST	22012323	680410.3	4158086.53	1.02985	24.69	24.69	1.2	24-HR	ALL	1ST	21113024
680438.57	4157973.64	2.0257	24.57	24.57	1.2	1-HR	ALL	1ST	20110401	680438.57	4157973.64	0.25155	24.57	24.57	1.2	24-HR	ALL	1ST	22010624
680441.02	4157960.92	1.8955	24.44	24.44	1.2	1-HR	ALL	1ST	21021105	680441.02	4157960.92	0.24259	24.44	24.44	1.2	24-HR	ALL	1ST	22010624
680400.41	4158070.5	2.36017	24.69	24.69	1.2	1-HR	ALL	1ST	22012206	680400.41	4158070.5	0.43082	24.69	24.69	1.2	24-HR	ALL	1ST	19021124
680400.15	4158115.13	2.21287	24.69	24.69	1.2	1-HR	ALL	1ST	20121609	680400.15	4158115.13	0.63335	24.69	24.69	1.2	24-HR	ALL	1ST	21120124
680403.34	4157974.41	1.66145	24.58	24.58	1.2	1-HR	ALL	1ST	19011903	680403.34	4157974.41	0.14834	24.58	24.58	1.2	24-HR	ALL	1ST	22010624
680433.61	4157908.14	1.28754	24.38	24.38	1.2	1-HR	ALL	1ST	21021106	680433.61	4157908.14	0.14124	24.38	24.38	1.2	24-HR	ALL	1ST	22010724
680378.05	4158048.06	1.8749	24.53	24.53	1.2	1-HR	ALL	1ST	19012706	680378.05	4158048.06	0.2071	24.53	24.53	1.2	24-HR	ALL	1ST	18020524
680377.78	4158092.68	1.93923	24.53	24.53	1.2	1-HR	ALL	1ST	22011920	680377.78	4158092.68	0.63902	24.53	24.53	1.2	24-HR	ALL	1ST	21113024
680377.51	4158137.3	1.89014	24.54	24.54	1.2	1-HR	ALL	1ST	20122009	680377.51	4158137.3	0.41922	24.54	24.54	1.2	24-HR	ALL	1ST	22011124
680380.9	4157943.77	1.32064	24.38	24.38	1.2	1-HR	ALL	1ST	22021303	680380.9	4157943.77	0.10534	24.38	24.38	1.2	24-HR	ALL	1ST	20040424
680409.21	4157915.81	1.24732	24.38	24.38	1.2	1-HR	ALL	1ST	19011902	680409.21	4157915.81	0.13472	24.38	24.38	1.2	24-HR	ALL	1ST	22010624
680355.68	4158025.61	1.4747	24.38	24.38	1.2	1-HR	ALL	1ST	22021205	680355.68	4158025.61	0.16432	24.38	24.38	1.2	24-HR	ALL	1ST	21011624
680355.55	4158047.92	1.60543	24.38	24.38	1.2	1-HR	ALL	1ST	19012706	680355.55	4158047.92	0.16399	24.38	24.38	1.2	24-HR	ALL	1ST	18020524
680355.28	4158092.55	1.65332	24.38	24.38	1.2	1-HR	ALL	1ST	22122808	680355.28	4158092.55	0.42371	24.38	24.38	1.2	24-HR	ALL	1ST	21113024
680355.01	4158137.17	1.55811	24.41	24.41	1.2	1-HR	ALL	1ST	20121609	680355.01	4158137.17	0.47502	24.41	24.41	1.2	24-HR	ALL	1ST	21112224
680357.4	4157946.02	1.12401	24.38	24.38	1.2	1-HR	ALL	1ST	19011903	680357.4	4157946.02	0.08544	24.38	24.38	1.2	24-HR	ALL	1ST	22010624
680392.6	4157900.13	1.07377	24.38	24.38	1.2	1-HR	ALL	1ST	19011902	680392.6	4157900.13	0.10862	24.38	24.38	1.2	24-HR	ALL	1ST	22010624
680430.9	4157884.55	1.10621	24.38	24.38	1.2	1-HR	ALL	1ST	18011009	680430.9	4157884.55	0.12165	24.38	24.38	1.2	24-HR	ALL	1ST	22010724
680333.18	4158025.48	1.24925	24.38	24.38	1.2	1-HR	ALL	1ST	22021205	680333.18	4158025.48	0.14983	24.38	24.38	1.2	24-HR	ALL	1ST	21011624
680332.91	4158070.1	1.48288	24.38	24.38	1.2	1-HR	ALL	1ST	22120305	680332.91	4158070.1	0.15977	24.38	24.38	1.2	24-HR	ALL	1ST	18020524
680332.78	4158092.41	1.45828	24.38	24.38	1.2	1-HR	ALL	1ST	22022005	680332.78	4158092.41	0.29434	24.38	24.38	1.2	24-HR	ALL	1ST	19021124
680332.52	4158137.03	1.44712	24.4	24.4	1.2	1-HR	ALL	1ST	22011509	680332.52	4158137.03	0.48129	24.4	24.4	1.2	24-HR	ALL	1ST	22020624
680334.23	4157947.47	1.0212	24.38	24.38	1.2	1-HR	ALL	1ST	22120204	680334.23	4157947.47	0.08693	24.38	24.38	1.2	24-HR	ALL	1ST	18012824
680349.84	4157910.43	0.96652	24.38	24.38	1.2	1-HR	ALL	1ST	22041405	680349.84	4157910.43	0.07159	24.38	24.38	1.2	24-HR	ALL	1ST	20040424
680376.26	4157884.33	0.9123	24.38	24.38	1.2	1-HR	ALL	1ST	20110401	680376.26	4157884.33	0.08948	24.38	24.38	1.2	24-HR	ALL	1ST	22010624
680413.49	4157869.19	0.99801	24.38	24.38	1.2	1-HR	ALL	1ST	22011222	680413.49	4157869.19	0.10046	24.38	24.38	1.2	24-HR	ALL	1ST	22010724
680310.68	4158025.34	1.04083	24.38	24.38	1.2	1-HR	ALL	1ST	21012121	680310.68	4158025.34	0.13363	24.38	24.38	1.2	24-HR	ALL	1ST	21011624
680310.55	4158047.66	1.22069	24.38	24.38	1.2	1-HR	ALL	1ST	19012706	680310.55	4158047.66	0.11618	24.38	24.38	1.2	24-HR	ALL	1ST	21020724
680310.15	4158114.59	1.2555	24.38	24.38	1.2	1-HR	ALL	1ST	22011118	680310.15	4158114.59	0.33387	24.38	24.38	1.2	24-HR	ALL	1ST	21113024
680310.02	4158136.9	1.25458	24.39	24.39	1.2	1-HR	ALL	1ST	22022808	680310.02	4158136.9	0.42854	24.39	24.39	1.2	24-HR	ALL	1ST	20010624
680311.25	4157948.47	0.95024	24.38	24.38	1.2	1-HR	ALL	1ST	22012607	680311.25	4157948.47	0.08047	24.38	24.38	1.2	24-HR	ALL	1ST	18013124
680326.54	4157912.18	0.86701	24.38	24.38	1.2	1-HR	ALL	1ST	19011903	680326.54	4157912.18	0.06955	24.38	24.38	1.2	24-HR	ALL	1ST	20040424
680360.07	4157868.48	0.81911	24.38	24.38	1.2	1-HR	ALL	1ST	20110401	680360.07	4157868.48	0.07506	24.38	24.38	1.2	24-HR	ALL	1ST	22010624
680396.54	4157853.64	0.88499	24.38	24.38	1.2	1-HR	ALL	1ST	21053106	680396.54	4157853.64	0.08514	24.38	24.38	1.2	24-HR	ALL	1ST	22010624
680433.02	4157838.81	0.89336	24.38	24.38	1.2	1-HR	ALL	1ST	22011405	680433.02	4157838.81	0.0955	24.38	24.38	1.2	24-HR	ALL	1ST	20082324
680288.18	4158025.21	0.95221	24.38	24.38	1.2	1-HR	ALL	1ST	22022607	680288.18	4158025.21	0.11789	24.38	24.38	1.2	24-HR	ALL	1ST	21011624
680287.91	4158069.83	1.11102	24.38	24.38	1.2	1-HR	ALL	1ST	22012904	680287.91	4158069.83	0.11278	24.38	24.38	1.2	24-HR	ALL	1ST	18020524
680287.78	4158092.14	1.14892	24.38	24.38	1.2	1-HR	ALL	1ST	22012206	680287.78	4158092.14	0.15975	24.38	24.38	1.2	24-HR	ALL	1ST	19021124
680287.52	4158136.77	1.07774	24.38	24.38	1.2	1-HR	ALL	1ST	22021108	680287.52	4158136.77	0.33324	24.38	24.38	1.2	24-HR	ALL	1ST	21113024
680263.96	4157941.75	0.77762	24.38	24.38	1.2	1-HR	ALL	1ST	22122817	680263.96	4157941.75	0.07079	24.38	24.38	1.2	24-HR	ALL	1ST	18013124
680281.05	4157901.17	0.70793	24.38	24.38	1.2	1-HR	ALL	1ST	21120704	680281.05	4157901.17	0.05237	24.38	24.38	1.2	24-HR	ALL	1ST	18012824
680298.15	4157860.6	0.67408	24.38	24.38	1.2	1-HR	ALL	1ST	22041405	680298.15	4157860.6	0.04516	24.38	24.38	1.2	24-HR	ALL	1ST	20040424
680327.09	4157832.03	0.64829	24.38	24.38	1.2	1-HR	ALL	1ST	22081601	680327.09	4157832.03	0.05452	24.38	24.38	1.2	24-HR	ALL	1ST	22010624
680367.87	4157815.44	0.72472	24.38	24.38	1.2	1-HR	ALL	1ST	22011406	680367.87	4157815.44	0.06661	24.38	24.38	1.2	24-HR	ALL	1ST	21021124
680408.65	4157798.85	0.73759	24.38	24.38	1.2	1-HR	ALL	1ST	18011009	680408.65	4157798.85	0.06316	24.38	24.38	1.2	24-HR	ALL	1ST	20082324
680238.18	4158024.91	0.76314	24.38	24.38	1.2	1-HR	ALL	1ST	22022607	680238.18	4158024.91	0.08839	24.38	24.38	1.2	24-HR	ALL	1ST	21011624
680237.92	4158069.53	0.88654	24.38	24.38	1.2	1-HR	ALL	1ST	22010224	680237.92	4158069.53	0.09219	24.38	24.38	1.2	24-HR	ALL	1ST	22010224
680237.65	4158114.16	0.88411	24.38	24.38	1.2	1-HR	ALL	1ST	22022005	680237.65	4158114.16	0.16157	24.38	24.38	1.2	24-HR	ALL	1ST	19021124
680237.38	4158158.78	0.85794	24.38	24.38	1.2	1-HR	ALL	1ST	22021108	680237.38	4158158.78	0.2519	24.38	24.38	1.2	24-HR	ALL	1ST	20010624
680213.29	4157943.03	0.60954	24.38	24.38	1.2	1-HR	ALL	1ST	22040303	680213.29	4157943.03	0.04899	24.38	24.38	1.2	24-HR	ALL	1ST	20030724
680229.94	4157903.52	0.61649	24.38	24.38	1.2	1-HR	ALL	1ST	22012607	680229.94	4157903.52	0.04747	24.38	24.38	1.2	24-HR	ALL	1ST	18013124
680246.59	4157864.01	0.55492	24.38	24.38	1.2	1-HR	ALL	1ST	19011903	680246.59	4157864.01	0.03648	24.38	24.38	1.2	24-HR	ALL	1ST	22010624
680263.24	4157824.5	0.53959	24.38	24.38	1.2	1-HR	ALL	1ST	22041405	680263.24	4157824.5	0.0343	24.38	24.38	1.2	24-HR	ALL	1ST	21030424
680291.42	4157796.67	0.55897	24.17	24.17	1.2	1-HR	ALL	1ST	22010704	680291.42	4157796.67	0.04042	24.17	24.17	1.2	24-HR	ALL	1ST	22010624
680331.14	4157780.51	0.56496	24.36	24.36	1.2	1-HR	ALL	1ST	20012706	680331.14	4157780.51	0.04963	24.36	24.36	1.2	24-HR	ALL	1ST	22010624
680370.86	4157764.36	0.57033	24.38	24.38	1.2	1-HR	ALL	1ST	21021106	680370.86	4157764.36	0.05759	24.38	24.38	1.2	24-HR	ALL	1ST	22010724
680410.58	4157748.21	0.60088	24.38	24.38	1.2	1-HR	ALL	1ST	22122603	680410.58	4157748.21	0.05978	24.38	24.38	1.2	24-HR	ALL	1ST	20082324
680188.18	4158024.61	0.60291	24.38	24.38	1.2	1-HR	ALL	1ST	22020302	680188.18	4158024.61	0.06696	24.38	24.38	1.2	24-HR	ALL	1ST	21011624
680188.05	4158046.93	0.69945	24.38	24.38	1.2	1-HR	ALL	1ST	22020824	680188.05	4158046.93	0.05997	24.38	24.38	1.2	24-HR	ALL	1ST	21020724
680187.78	4158091.55	0.74336	24.38	24.38	1.2	1-HR	ALL	1ST	22120305	680187.78	4158091.55	0.07127	24.38	24.38	1.2	24-HR	ALL	1ST	21013024
680187.52	4158136.17	0.71836	24.38	24.38	1.2	1-HR	ALL	1ST	22122808	680187.52	4158136.17	0.13293	24.38	24.38	1.2	24-HR	ALL	1ST	19021124
680162.84	4157943.8	0.51101	24.38	24.38	1.2	1-HR	ALL	1ST	22111601	680162.84	4157943.8	0.05015	24.38	24.38	1.2	24-HR	ALL	1ST	20032224
680179.2	4157904.99	0.53296	24.38	24.38	1.2	1-HR	ALL	1ST	22122817	680179.2	4157904.99	0.04435	24.38	24.38	1.2	24-HR	ALL	1ST	18013124
680195.55	4157866.18	0.49776	24.38	24.38	1.2	1-HR	ALL	1ST	22120204	680195.55	4157866.18	0.03785	24.38	24.38	1.2	24-HR	ALL	1ST	18012824
680211.9	4157827.38	0.48214	24.38	24.38	1.2	1-HR	ALL	1ST	19011903	680211.9	4157827.38	0.03413	24.38	24.38	1.2	24-HR	ALL	1ST	20040424
680228.26	4157788.57	0.45168	24.22	24.22	1.2	1-HR	ALL	1ST	18100807	680228.26	4157788.57	0.02721	24.22	24.22	1.2	24-HR	ALL	1ST	21030424
680255.94	4157761.23	0.47961	24.08	24.08	1.2	1-HR	ALL	1ST	22010704	680255.94	4157761.23	0.03088	24.08	24.08	1.2	24-HR	ALL	1ST	22010624
680294.94	4157745.37	0.47397	24.08	24.08	1.2	1-HR	ALL	1ST	19011902	680294.94	4157745.37	0.03759	24.08	24.08	1.2	24-HR	ALL	1ST	22010624

680333.95	4157729.5	0.48935	24.24	24.24	1.2	1-HR	ALL	1ST	22011222	680333.95	4157729.5	0.04184	24.24	24.24	1.2	24-HR	ALL	1ST	21021124
680372.96	4157713.64	0.51018	24.38	24.38	1.2	1-HR	ALL	1ST	18011009	680372.96	4157713.64	0.04159	24.38	24.38	1.2	24-HR	ALL	1ST	22093024
680411.97	4157697.77	0.47752	24.38	24.38	1.2	1-HR	ALL	1ST	22011224	680411.97	4157697.77	0.04565	24.38	24.38	1.2	24-HR	ALL	1ST	20082324
680138.18	4158024.32	0.51316	24.38	24.38	1.2	1-HR	ALL	1ST	22020302	680138.18	4158024.32	0.05253	24.38	24.38	1.2	24-HR	ALL	1ST	18103124
680138.05	4158046.63	0.58729	24.38	24.38	1.2	1-HR	ALL	1ST	22020824	680138.05	4158046.63	0.04883	24.38	24.38	1.2	24-HR	ALL	1ST	21020724
680137.78	4158091.25	0.61304	24.38	24.38	1.2	1-HR	ALL	1ST	22120305	680137.78	4158091.25	0.05187	24.38	24.38	1.2	24-HR	ALL	1ST	20110624
680137.52	4158135.87	0.59037	24.38	24.38	1.2	1-HR	ALL	1ST	22022005	680137.52	4158135.87	0.1009	24.38	24.38	1.2	24-HR	ALL	1ST	19021124
680137.39	4158158.18	0.59304	24.38	24.38	1.2	1-HR	ALL	1ST	22012423	680137.39	4158158.18	0.10878	24.38	24.38	1.2	24-HR	ALL	1ST	21113024
680112.53	4157944.25	0.4516	24.34	24.34	1.2	1-HR	ALL	1ST	22011719	680112.53	4157944.25	0.04076	24.34	24.34	1.2	24-HR	ALL	1ST	20032224
680128.67	4157905.95	0.43387	24.22	24.22	1.2	1-HR	ALL	1ST	22040303	680128.67	4157905.95	0.0347	24.22	24.22	1.2	24-HR	ALL	1ST	22040324
680144.81	4157867.65	0.4525	24.29	24.29	1.2	1-HR	ALL	1ST	22021402	680144.81	4157867.65	0.03782	24.29	24.29	1.2	24-HR	ALL	1ST	18013124
680160.95	4157829.35	0.42127	24.14	24.14	1.2	1-HR	ALL	1ST	22110918	680160.95	4157829.35	0.03261	24.14	24.14	1.2	24-HR	ALL	1ST	18012824
680177.09	4157791.04	0.39609	24.08	24.08	1.2	1-HR	ALL	1ST	19011903	680177.09	4157791.04	0.03033	24.08	24.08	1.2	24-HR	ALL	1ST	20040424
680193.23	4157752.74	0.38734	24.08	24.08	1.2	1-HR	ALL	1ST	18100807	680193.23	4157752.74	0.02295	24.08	24.08	1.2	24-HR	ALL	1ST	18100824
680220.55	4157725.76	0.40697	24.08	24.08	1.2	1-HR	ALL	1ST	22010704	680220.55	4157725.76	0.02519	24.08	24.08	1.2	24-HR	ALL	1ST	21030824
680259.05	4157710.1	0.39209	24.08	24.08	1.2	1-HR	ALL	1ST	19011902	680259.05	4157710.1	0.03022	24.08	24.08	1.2	24-HR	ALL	1ST	22010624
680297.55	4157694.44	0.43103	24.08	24.08	1.2	1-HR	ALL	1ST	22011406	680297.55	4157694.44	0.03662	24.08	24.08	1.2	24-HR	ALL	1ST	21021124
680336.05	4157678.78	0.41569	24.38	24.38	1.2	1-HR	ALL	1ST	20011724	680336.05	4157678.78	0.04026	24.38	24.38	1.2	24-HR	ALL	1ST	22010724
680374.56	4157663.13	0.43433	24.38	24.38	1.2	1-HR	ALL	1ST	22011405	680374.56	4157663.13	0.03853	24.38	24.38	1.2	24-HR	ALL	1ST	20082324
680413.06	4157647.47	0.38643	24.38	24.38	1.2	1-HR	ALL	1ST	22033002	680413.06	4157647.47	0.03651	24.38	24.38	1.2	24-HR	ALL	1ST	22091224
680088.18	4158024.02	0.4371	24.33	24.33	1.2	1-HR	ALL	1ST	22020302	680088.18	4158024.02	0.0433	24.33	24.33	1.2	24-HR	ALL	1ST	18103124
680087.92	4158068.64	0.5104	24.33	24.33	1.2	1-HR	ALL	1ST	22020303	680087.92	4158068.64	0.05502	24.33	24.33	1.2	24-HR	ALL	1ST	22010224
680087.65	4158113.26	0.52406	24.38	24.38	1.2	1-HR	ALL	1ST	22020102	680087.65	4158113.26	0.056	24.38	24.38	1.2	24-HR	ALL	1ST	21013024
680087.39	4158157.89	0.50787	24.38	24.38	1.2	1-HR	ALL	1ST	22122808	680087.39	4158157.89	0.08983	24.38	24.38	1.2	24-HR	ALL	1ST	19021124
680063.89	4157940.73	0.39155	24.08	24.08	1.2	1-HR	ALL	1ST	22121305	680063.89	4157940.73	0.03152	24.08	24.08	1.2	24-HR	ALL	1ST	20032224
680080.93	4157900.28	0.3745	24.08	24.08	1.2	1-HR	ALL	1ST	22011008	680080.93	4157900.28	0.03136	24.08	24.08	1.2	24-HR	ALL	1ST	20032224
680097.98	4157859.83	0.39245	24.08	24.08	1.2	1-HR	ALL	1ST	22122817	680097.98	4157859.83	0.03352	24.08	24.08	1.2	24-HR	ALL	1ST	18013124
680115.03	4157819.37	0.36533	24.08	24.08	1.2	1-HR	ALL	1ST	22120204	680115.03	4157819.37	0.02659	24.08	24.08	1.2	24-HR	ALL	1ST	20032924
680132.07	4157778.92	0.3429	24.08	24.08	1.2	1-HR	ALL	1ST	20121103	680132.07	4157778.92	0.02076	24.08	24.08	1.2	24-HR	ALL	1ST	20040424
680149.12	4157738.47	0.3632	24.08	24.08	1.2	1-HR	ALL	1ST	22021303	680149.12	4157738.47	0.02291	24.08	24.08	1.2	24-HR	ALL	1ST	20040424
680186.5	4157689.75	0.34856	24.08	24.08	1.2	1-HR	ALL	1ST	22010704	680186.5	4157689.75	0.02163	24.08	24.08	1.2	24-HR	ALL	1ST	22100824
680227.16	4157673.21	0.32871	24.08	24.08	1.2	1-HR	ALL	1ST	22101224	680227.16	4157673.21	0.02535	24.08	24.08	1.2	24-HR	ALL	1ST	22010624
680267.82	4157656.67	0.37507	24.08	24.08	1.2	1-HR	ALL	1ST	22010620	680267.82	4157656.67	0.03047	24.08	24.08	1.2	24-HR	ALL	1ST	21021124
680308.49	4157640.13	0.36877	24.13	24.13	1.2	1-HR	ALL	1ST	22010705	680308.49	4157640.13	0.03377	24.13	24.13	1.2	24-HR	ALL	1ST	22010724
680349.15	4157623.59	0.37445	24.38	24.38	1.2	1-HR	ALL	1ST	18011009	680349.15	4157623.59	0.03113	24.38	24.38	1.2	24-HR	ALL	1ST	22093024
680389.81	4157607.06	0.35452	24.38	24.38	1.2	1-HR	ALL	1ST	22011224	680389.81	4157607.06	0.03293	24.38	24.38	1.2	24-HR	ALL	1ST	20082324
680424.73	4157580.26	0.34909	24.38	24.38	1.2	1-HR	ALL	1ST	20012103	680424.73	4157580.26	0.03422	24.38	24.38	1.2	24-HR	ALL	1ST	22091224
680041.74	4158029.35	0.38051	24.08	24.08	1.2	1-HR	ALL	1ST	22122302	680041.74	4158029.35	0.03472	24.08	24.08	1.2	24-HR	ALL	1ST	18103124
680037.92	4158068.34	0.43653	24.08	24.08	1.2	1-HR	ALL	1ST	22010924	680037.92	4158068.34	0.04706	24.08	24.08	1.2	24-HR	ALL	1ST	22010224
680037.79	4158090.66	0.43552	24.1	24.1	1.2	1-HR	ALL	1ST	19012704	680037.79	4158090.66	0.04025	24.1	24.1	1.2	24-HR	ALL	1ST	20110624
680037.52	4158135.28	0.45574	24.38	24.38	1.2	1-HR	ALL	1ST	22020405	680037.52	4158135.28	0.05441	24.38	24.38	1.2	24-HR	ALL	1ST	21013024
679996.71	4157981.19	0.3066	24.08	24.08	1.2	1-HR	ALL	1ST	21012121	679996.71	4157981.19	0.03433	24.08	24.08	1.2	24-HR	ALL	1ST	21011624
680013.5	4157941.35	0.32596	24.08	24.08	1.2	1-HR	ALL	1ST	22021805	680013.5	4157941.35	0.0257	24.08	24.08	1.2	24-HR	ALL	1ST	21122124
680030.29	4157901.5	0.33407	24.08	24.08	1.2	1-HR	ALL	1ST	22111601	680030.29	4157901.5	0.03133	24.08	24.08	1.2	24-HR	ALL	1ST	20032224
680047.08	4157861.66	0.34942	24.08	24.08	1.2	1-HR	ALL	1ST	22120424	680047.08	4157861.66	0.02488	24.08	24.08	1.2	24-HR	ALL	1ST	22040324
680063.87	4157821.81	0.34764	24.08	24.08	1.2	1-HR	ALL	1ST	22012607	680063.87	4157821.81	0.027	24.08	24.08	1.2	24-HR	ALL	1ST	18013124
680080.66	4157781.97	0.32366	24.08	24.08	1.2	1-HR	ALL	1ST	22110918	680080.66	4157781.97	0.02489	24.08	24.08	1.2	24-HR	ALL	1ST	18012824
680097.45	4157742.13	0.31361	24.08	24.08	1.2	1-HR	ALL	1ST	19011903	680097.45	4157742.13	0.02069	24.08	24.08	1.2	24-HR	ALL	1ST	20040424
680114.24	4157702.28	0.31752	24.08	24.08	1.2	1-HR	ALL	1ST	22021303	680114.24	4157702.28	0.01884	24.08	24.08	1.2	24-HR	ALL	1ST	21030424
680151.06	4157654.29	0.29725	24.08	24.08	1.2	1-HR	ALL	1ST	20121104	680151.06	4157654.29	0.01906	24.08	24.08	1.2	24-HR	ALL	1ST	22100824
680191.11	4157638	0.2936	24.08	24.08	1.2	1-HR	ALL	1ST	20110401	680191.11	4157638	0.02168	24.08	24.08	1.2	24-HR	ALL	1ST	22010624
680231.16	4157621.72	0.31414	24.08	24.08	1.2	1-HR	ALL	1ST	20012706	680231.16	4157621.72	0.02365	24.08	24.08	1.2	24-HR	ALL	1ST	21021124
680271.21	4157605.43	0.32211	24.08	24.08	1.2	1-HR	ALL	1ST	22011222	680271.21	4157605.43	0.02573	24.08	24.08	1.2	24-HR	ALL	1ST	22011424
680311.26	4157589.14	0.31127	24.2	24.2	1.2	1-HR	ALL	1ST	20011724	680311.26	4157589.14	0.02784	24.2	24.2	1.2	24-HR	ALL	1ST	22010724
680351.31	4157572.85	0.32396	24.38	24.38	1.2	1-HR	ALL	1ST	22011405	680351.31	4157572.85	0.02915	24.38	24.38	1.2	24-HR	ALL	1ST	20082324
680391.36	4157556.56	0.29887	24.38	24.38	1.2	1-HR	ALL	1ST	22102921	680391.36	4157556.56	0.02607	24.38	24.38	1.2	24-HR	ALL	1ST	22091224
680428.74	4157533.59	0.30109	24.38	24.38	1.2	1-HR	ALL	1ST	19013102	680428.74	4157533.59	0.02875	24.38	24.38	1.2	24-HR	ALL	1ST	22091224
679988.19	4158023.42	0.32973	24.08	24.08	1.2	1-HR	ALL	1ST	22122302	679988.19	4158023.42	0.03052	24.08	24.08	1.2	24-HR	ALL	1ST	18103124
679987.92	4158068.05	0.38936	24.08	24.08	1.2	1-HR	ALL	1ST	22010223	679987.92	4158068.05	0.04062	24.08	24.08	1.2	24-HR	ALL	1ST	22010224
679987.65	4158112.67	0.40381	24.08	24.08	1.2	1-HR	ALL	1ST	22120305	679987.65	4158112.67	0.03024	24.08	24.08	1.2	24-HR	ALL	1ST	18020524
679987.39	4158157.29	0.39741	24.18	24.18	1.2	1-HR	ALL	1ST	22022602	679987.39	4158157.29	0.04979	24.18	24.18	1.2	24-HR	ALL	1ST	19021124
680435.72	4158214.48	1.31384	24.69	24.69	1.2	1-HR	ALL	1ST	20012208	680435.72	4158214.48	0.23119	24.69	24.69	1.2	24-HR	ALL	1ST	22122124
680413.07	4158191.85	1.53433	24.69	24.69	1.2	1-HR	ALL	1ST	18020504	680413.07	4158191.85	0.21299	24.69	24.69	1.2	24-HR	ALL	1ST	20122224
680407.92	4158247.95	1.05182	24.69	24.69	1.2	1-HR	ALL	1ST	19011424	680407.92	4158247.95	0.17959	24.69	24.69	1.2	24-HR	ALL	1ST	22122124
680379.61	4158219.66	1.21789	24.69	24.69	1.2	1-HR	ALL	1ST	21120117	680379.61	4158219.66	0.14737	24.69	24.69	1.2	24-HR	ALL	1ST	20091224
680421.15	4158264.33	1.01187	24.69	24.69	1.2	1-HR	ALL	1ST	20012208	680421.15	4158264.33	0.14722	24.69	24.69	1.2	24-HR	ALL	1ST	22122124
680364.04	4158236.38	1.08561	24.69	24.69	1.2	1-HR	ALL	1ST	20011220	680364.04	4158236.38	0.13449	24.69	24.69	1.2	24-HR	ALL	1ST	20091224
680348.21	4158197.86	1.19515	24.69	24.69	1.2	1-HR	ALL	1ST	18012901	680348.21	4158197.86	0.22322	24.69	24.69	1.2	24-HR	ALL	1ST	21120624
680412.23	4158294.6	0.8663	24.79	24.79	1.2	1-HR	ALL	1ST	20012208	680412.23	4158294.6	0.11537	24.79	24.79	1.2	24-HR	ALL	1ST	22122124
680374.77	4158279.23	0.85203	24.69	24.69	1.2	1-HR	ALL	1ST	20010303	680374.77	4158279.23	0.09976	24.69	24.69	1.2	24-HR	ALL	1ST	20122224
680348.35	4158252.83	0.96281	24.69	24.69	1.2	1-HR	ALL	1ST	20011220	680348.35	4158252.83	0.12235	24.69	24.69	1.2	24-HR	ALL	1ST	20091224
680332.96	4158215.38	1.07044	24.68	24.68	1.2	1-HR	ALL	1ST	21120901	680332.96	4158215.38	0.19229	24.68	24.68	1.2	24-HR	ALL	1ST	21120624
680317.58	4158177.94	1.26143	24.53	24.53	1.2	1-HR	ALL	1ST	20122009	680317.58	4158177.94	0.24966	24.53	24.53	1.2	24-HR	ALL	1ST	22011124
680425.75	4158322.59	0.75533	24.9	24.9	1.2	1-HR	ALL	1ST	20120906	680425.75	4158322.59	0.10467	24.9	24.9	1.2	24-HR	ALL	1ST	20010824
680382.95	4158305.03	0.78396	24.82	24.82	1.2	1-HR	ALL	1ST	20021104	680382.95	4158305.03	0.12792	24.82	24.82	1.2	24-HR	ALL	1ST	22122124
680322.55	4158244.67	0.94969	24.65	24.65	1.2	1-HR	ALL	1ST	21021808	680322.55	4158244.67	0.13125	24.65	24.65	1.2	24-HR	ALL	1ST	21120624
680304.97	4158201.87	1.00495	24.4	24.4	1.2	1-HR	ALL	1ST	21120721	680304.97	4158201.87	0.20195	24.4	24.4	1.2	24-HR	ALL	1ST	20121624
680407.35	4158364.9	0.59615	24.69	24.69	1.2	1-HR	ALL	1ST	19013018	680407.35	4158364.9	0.06579	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680366.33	4158348.07	0.65776	24.69	24.69	1.2	1-HR	ALL	1ST	20021104	680366.33	4158348.07	0.10502	24.69	24.69	1.2	24-HR	ALL	1ST	22122124
680325.31	4158331.25	0.6976	24.69	24.69	1.2	1-HR	ALL	1ST	18020504	680325.31	4158331.25	0.08845	24.69	24.69	1.2	24-HR	ALL	1ST	20122224
680296.37	4158302.33	0.73472	24.69	24.69	1.2	1-HR	ALL	1ST	20013021	680296.37	4158302.33	0.10071	24.69	24.69	1.2	24-HR	ALL	1ST	20012524
680279.52	4158261.31	0.78814	24.69	24.69	1.2	1-HR	ALL	1ST	18012901	680279.52	4158261.31	0.1355	24.69	24.69	1.2	24-HR	ALL	1ST	21120624

680262.66	4158220.3	0.92086	24.38	24.38	1.2	1-HR	ALL	1ST	20122009	680262.66	4158220.3	0.16348	24.38	24.38	1.2	24-HR	ALL	1ST	22011124
680492.3	4158389.99	0.59415	24.69	24.69	1.2	1-HR	ALL	1ST	19011119	680492.3	4158389.99	0.05008	24.69	24.69	1.2	24-HR	ALL	1ST	22122224
680515.71	4158389.84	0.6502	24.7	24.7	1.2	1-HR	ALL	1ST	19012818	680515.71	4158389.84	0.04459	24.7	24.7	1.2	24-HR	ALL	1ST	18112724
680539.12	4158389.69	0.57511	24.82	24.82	1.2	1-HR	ALL	1ST	19012903	680539.12	4158389.69	0.03885	24.82	24.82	1.2	24-HR	ALL	1ST	19052624
680562.53	4158389.53	0.61051	24.74	24.74	1.2	1-HR	ALL	1ST	19010724	680562.53	4158389.53	0.0505	24.74	24.74	1.2	24-HR	ALL	1ST	19011224
680585.94	4158389.38	0.61872	24.69	24.69	1.2	1-HR	ALL	1ST	19010322	680585.94	4158389.38	0.04072	24.69	24.69	1.2	24-HR	ALL	1ST	19011224
680409.28	4158415.56	0.54806	24.69	24.69	1.2	1-HR	ALL	1ST	20120906	680409.28	4158415.56	0.08316	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680369.33	4158399.17	0.56036	24.69	24.69	1.2	1-HR	ALL	1ST	20012208	680369.33	4158399.17	0.07214	24.69	24.69	1.2	24-HR	ALL	1ST	22122124
680329.38	4158382.78	0.53925	24.69	24.69	1.2	1-HR	ALL	1ST	20010303	680329.38	4158382.78	0.06513	24.69	24.69	1.2	24-HR	ALL	1ST	22122124
680289.43	4158366.39	0.60196	24.69	24.69	1.2	1-HR	ALL	1ST	20022805	680289.43	4158366.39	0.0681	24.69	24.69	1.2	24-HR	ALL	1ST	20122224
680261.24	4158338.23	0.61812	24.69	24.69	1.2	1-HR	ALL	1ST	21021808	680261.24	4158338.23	0.08606	24.69	24.69	1.2	24-HR	ALL	1ST	20012524
680244.83	4158298.28	0.65636	24.69	24.69	1.2	1-HR	ALL	1ST	18012901	680244.83	4158298.28	0.10852	24.69	24.69	1.2	24-HR	ALL	1ST	21120624
680228.42	4158258.34	0.68518	24.4	24.4	1.2	1-HR	ALL	1ST	18020502	680228.42	4158258.34	0.12793	24.4	24.4	1.2	24-HR	ALL	1ST	20121624
680212	4158218.4	0.71208	24.38	24.38	1.2	1-HR	ALL	1ST	20022520	680212	4158218.4	0.19655	24.38	24.38	1.2	24-HR	ALL	1ST	21112224
680195.59	4158178.45	0.72796	24.38	24.38	1.2	1-HR	ALL	1ST	22021108	680195.59	4158178.45	0.21061	24.38	24.38	1.2	24-HR	ALL	1ST	20010624
680492.63	4158439.99	0.49304	24.82	24.82	1.2	1-HR	ALL	1ST	19011119	680492.63	4158439.99	0.04027	24.82	24.82	1.2	24-HR	ALL	1ST	19011124
680516.04	4158439.84	0.5461	24.99	24.99	1.2	1-HR	ALL	1ST	19012818	680516.04	4158439.84	0.03788	24.99	24.99	1.2	24-HR	ALL	1ST	18112724
680539.45	4158439.68	0.5236	24.99	24.99	1.2	1-HR	ALL	1ST	19012903	680539.45	4158439.68	0.02969	24.99	24.99	1.2	24-HR	ALL	1ST	21020124
680562.86	4158439.53	0.51443	24.83	24.83	1.2	1-HR	ALL	1ST	22121307	680562.86	4158439.53	0.04149	24.83	24.83	1.2	24-HR	ALL	1ST	19052624
680586.27	4158439.38	0.51	24.71	24.71	1.2	1-HR	ALL	1ST	19011218	680586.27	4158439.38	0.04143	24.71	24.71	1.2	24-HR	ALL	1ST	19011224
680426.73	4158472.58	0.46974	24.69	24.69	1.2	1-HR	ALL	1ST	19010217	680426.73	4158472.58	0.08553	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680405.33	4158463.8	0.46469	24.69	24.69	1.2	1-HR	ALL	1ST	20011105	680405.33	4158463.8	0.07963	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680383.93	4158455.02	0.431	24.69	24.69	1.2	1-HR	ALL	1ST	20112705	680383.93	4158455.02	0.04755	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680362.52	4158446.24	0.47672	24.69	24.69	1.2	1-HR	ALL	1ST	19010719	680362.52	4158446.24	0.05322	24.69	24.69	1.2	24-HR	ALL	1ST	21122424
680341.12	4158437.46	0.4446	24.69	24.69	1.2	1-HR	ALL	1ST	20011018	680341.12	4158437.46	0.07167	24.69	24.69	1.2	24-HR	ALL	1ST	22122124
680319.72	4158428.68	0.47877	24.69	24.69	1.2	1-HR	ALL	1ST	19011424	680319.72	4158428.68	0.06759	24.69	24.69	1.2	24-HR	ALL	1ST	22122124
680298.31	4158419.9	0.47349	24.69	24.69	1.2	1-HR	ALL	1ST	20010303	680298.31	4158419.9	0.05072	24.69	24.69	1.2	24-HR	ALL	1ST	20122224
680276.91	4158411.12	0.51763	24.69	24.69	1.2	1-HR	ALL	1ST	20122218	680276.91	4158411.12	0.06263	24.69	24.69	1.2	24-HR	ALL	1ST	20122224
680255.51	4158402.34	0.51656	24.69	24.69	1.2	1-HR	ALL	1ST	21120117	680255.51	4158402.34	0.05198	24.69	24.69	1.2	24-HR	ALL	1ST	20122224
680225.31	4158372.17	0.56286	24.69	24.69	1.2	1-HR	ALL	1ST	21021808	680225.31	4158372.17	0.07198	24.69	24.69	1.2	24-HR	ALL	1ST	20012524
680216.52	4158350.77	0.55144	24.69	24.69	1.2	1-HR	ALL	1ST	20020508	680216.52	4158350.77	0.075	24.69	24.69	1.2	24-HR	ALL	1ST	21120624
680207.73	4158329.37	0.56047	24.5	24.5	1.2	1-HR	ALL	1ST	18012901	680207.73	4158329.37	0.09037	24.5	24.5	1.2	24-HR	ALL	1ST	20120124
680198.93	4158307.97	0.57953	24.38	24.38	1.2	1-HR	ALL	1ST	20120308	680198.93	4158307.97	0.09423	24.38	24.38	1.2	24-HR	ALL	1ST	20121624
680190.14	4158286.57	0.58585	24.38	24.38	1.2	1-HR	ALL	1ST	18020502	680190.14	4158286.57	0.10599	24.38	24.38	1.2	24-HR	ALL	1ST	20121624
680181.35	4158265.18	0.64248	24.38	24.38	1.2	1-HR	ALL	1ST	20122009	680181.35	4158265.18	0.12393	24.38	24.38	1.2	24-HR	ALL	1ST	21120124
680172.56	4158243.78	0.6018	24.38	24.38	1.2	1-HR	ALL	1ST	20022520	680172.56	4158243.78	0.15865	24.38	24.38	1.2	24-HR	ALL	1ST	21112224
680163.76	4158222.38	0.65004	24.38	24.38	1.2	1-HR	ALL	1ST	22011509	680163.76	4158222.38	0.18744	24.38	24.38	1.2	24-HR	ALL	1ST	22020624
680154.97	4158200.98	0.61792	24.38	24.38	1.2	1-HR	ALL	1ST	22021108	680154.97	4158200.98	0.18436	24.38	24.38	1.2	24-HR	ALL	1ST	20010624
680146.18	4158179.58	0.60059	24.38	24.38	1.2	1-HR	ALL	1ST	22020406	680146.18	4158179.58	0.1343	24.38	24.38	1.2	24-HR	ALL	1ST	21113024
680469.54	4158490.14	0.45181	24.85	24.85	1.2	1-HR	ALL	1ST	19010419	680469.54	4158490.14	0.03587	24.85	24.85	1.2	24-HR	ALL	1ST	22122224
680492.95	4158489.99	0.41878	24.99	24.99	1.2	1-HR	ALL	1ST	20120206	680492.95	4158489.99	0.03408	24.99	24.99	1.2	24-HR	ALL	1ST	19011124
680516.36	4158489.84	0.46468	24.99	24.99	1.2	1-HR	ALL	1ST	19012818	680516.36	4158489.84	0.03268	24.99	24.99	1.2	24-HR	ALL	1ST	18112724
680539.78	4158489.68	0.46543	24.99	24.99	1.2	1-HR	ALL	1ST	19012903	680539.78	4158489.68	0.02669	24.99	24.99	1.2	24-HR	ALL	1ST	21020124
680563.19	4158489.53	0.44013	24.99	24.99	1.2	1-HR	ALL	1ST	22121307	680563.19	4158489.53	0.03378	24.99	24.99	1.2	24-HR	ALL	1ST	19052624
680586.6	4158489.38	0.44428	24.86	24.86	1.2	1-HR	ALL	1ST	19011218	680586.6	4158489.38	0.03704	24.86	24.86	1.2	24-HR	ALL	1ST	19011224
680407.31	4158514.48	0.42426	24.69	24.69	1.2	1-HR	ALL	1ST	20010809	680407.31	4158514.48	0.0765	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680386.45	4158505.92	0.41511	24.69	24.69	1.2	1-HR	ALL	1ST	20120906	680386.45	4158505.92	0.05885	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680365.6	4158497.37	0.39024	24.69	24.69	1.2	1-HR	ALL	1ST	19013018	680365.6	4158497.37	0.03415	24.69	24.69	1.2	24-HR	ALL	1ST	22120424
680344.74	4158488.81	0.41937	24.69	24.69	1.2	1-HR	ALL	1ST	20012208	680344.74	4158488.81	0.04683	24.69	24.69	1.2	24-HR	ALL	1ST	21122424
680323.89	4158480.26	0.38906	24.69	24.69	1.2	1-HR	ALL	1ST	20011018	680323.89	4158480.26	0.06138	24.69	24.69	1.2	24-HR	ALL	1ST	22122124
680282.18	4158463.15	0.41846	24.69	24.69	1.2	1-HR	ALL	1ST	20010303	680282.18	4158463.15	0.04042	24.69	24.69	1.2	24-HR	ALL	1ST	22122124
680261.32	4158454.59	0.45905	24.69	24.69	1.2	1-HR	ALL	1ST	20122218	680261.32	4158454.59	0.05314	24.69	24.69	1.2	24-HR	ALL	1ST	20122224
680240.47	4158446.04	0.4572	24.69	24.69	1.2	1-HR	ALL	1ST	20122001	680240.47	4158446.04	0.05022	24.69	24.69	1.2	24-HR	ALL	1ST	20122224
680190.19	4158408.08	0.49521	24.69	24.69	1.2	1-HR	ALL	1ST	21021808	680190.19	4158408.08	0.06005	24.69	24.69	1.2	24-HR	ALL	1ST	20012524
680173.06	4158366.38	0.48558	24.52	24.52	1.2	1-HR	ALL	1ST	18012901	680173.06	4158366.38	0.07639	24.52	24.52	1.2	24-HR	ALL	1ST	20120124
680164.49	4158345.53	0.49285	24.39	24.39	1.2	1-HR	ALL	1ST	18020306	680164.49	4158345.53	0.07325	24.39	24.39	1.2	24-HR	ALL	1ST	20121624
680147.36	4158303.83	0.5646	24.38	24.38	1.2	1-HR	ALL	1ST	20122009	680147.36	4158303.83	0.089	24.38	24.38	1.2	24-HR	ALL	1ST	22011124
680130.22	4158262.13	0.52614	24.38	24.38	1.2	1-HR	ALL	1ST	20022520	680130.22	4158262.13	0.1426	24.38	24.38	1.2	24-HR	ALL	1ST	21112224
680121.66	4158241.29	0.56173	24.38	24.38	1.2	1-HR	ALL	1ST	22011509	680121.66	4158241.29	0.15907	24.38	24.38	1.2	24-HR	ALL	1ST	20010624
680104.52	4158199.59	0.51405	24.38	24.38	1.2	1-HR	ALL	1ST	22020406	680104.52	4158199.59	0.11692	24.38	24.38	1.2	24-HR	ALL	1ST	21113024
680469.87	4158540.14	0.38834	24.77	24.77	1.2	1-HR	ALL	1ST	19010419	680469.87	4158540.14	0.03055	24.77	24.77	1.2	24-HR	ALL	1ST	22122224
680493.28	4158539.99	0.36357	24.84	24.84	1.2	1-HR	ALL	1ST	20120206	680493.28	4158539.99	0.0293	24.84	24.84	1.2	24-HR	ALL	1ST	19011124
680516.69	4158539.84	0.40487	24.83	24.83	1.2	1-HR	ALL	1ST	19010718	680516.69	4158539.84	0.02855	24.83	24.83	1.2	24-HR	ALL	1ST	18112724
680540.1	4158539.68	0.40891	24.71	24.71	1.2	1-HR	ALL	1ST	19012903	680540.1	4158539.68	0.02388	24.71	24.71	1.2	24-HR	ALL	1ST	21020124
680563.52	4158539.53	0.35913	24.79	24.79	1.2	1-HR	ALL	1ST	22121307	680563.52	4158539.53	0.02618	24.79	24.79	1.2	24-HR	ALL	1ST	19052624
680586.93	4158539.38	0.38015	24.85	24.85	1.2	1-HR	ALL	1ST	19010724	680586.93	4158539.38	0.03027	24.85	24.85	1.2	24-HR	ALL	1ST	19011224
680408.84	4158564.97	0.36223	24.69	24.69	1.2	1-HR	ALL	1ST	20011004	680408.84	4158564.97	0.06609	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680367.94	4158548.19	0.36089	24.49	24.49	1.2	1-HR	ALL	1ST	20120906	680367.94	4158548.19	0.04348	24.49	24.49	1.2	24-HR	ALL	1ST	20010824
680327.03	4158531.41	0.37544	24.62	24.62	1.2	1-HR	ALL	1ST	20012208	680327.03	4158531.41	0.04137	24.62	24.62	1.2	24-HR	ALL	1ST	21122424
680286.13	4158514.63	0.37158	24.69	24.69	1.2	1-HR	ALL	1ST	19011424	680286.13	4158514.63	0.05342	24.69	24.69	1.2	24-HR	ALL	1ST	22122124
680245.22	4158497.85	0.37674	24.69	24.69	1.2	1-HR	ALL	1ST	18020504	680245.22	4158497.85	0.04356	24.69	24.69	1.2	24-HR	ALL	1ST	20122224
680204.32	4158481.08	0.40343	24.59	24.59	1.2	1-HR	ALL	1ST	20022805	680204.32	4158481.08	0.03903	24.59	24.59	1.2	24-HR	ALL	1ST	20122224
680155.01	4158443.85	0.43562	24.6	24.6	1.2	1-HR	ALL	1ST	21021808	680155.01	4158443.85	0.05025	24.6	24.6	1.2	24-HR	ALL	1ST	20012524
680138.21	4158402.95	0.42371	24.52	24.52	1.2	1-HR	ALL	1ST	18012901	680138.21	4158402.95	0.06556	24.52	24.52	1.2	24-HR	ALL	1ST	20120124
680121.41	4158362.06	0.44317	24.38	24.38	1.2	1-HR	ALL	1ST	20120308	680121.41	4158362.06	0.07331	24.38	24.38	1.2	24-HR	ALL	1ST	20121624
680104.6	4158321.17	0.49964	24.38	24.38	1.2	1-HR	ALL	1ST	20122009	680104.6	4158321.17	0.08318	24.38	24.38	1.2	24-HR	ALL	1ST	21120124
680087.8	4158280.27	0.45545	24.38	24.38	1.2	1-HR	ALL	1ST	22013102	680087.8	4158280.27	0.12662	24.38	24.38	1.2	24-HR	ALL	1ST	21112224
680070.99	4158239.38	0.4649	24.38	24.38	1.2	1-HR	ALL	1ST	22021108	680070.99	4158239.38	0.13528	24.38	24.38	1.2	24-HR	ALL	1ST	20010624
680054.19	4158198.48	0.45947	24.38	24.38	1.2	1-HR	ALL	1ST	22011118	680054.19	4158198.48	0.08228	24.38	24.38	1.2	24-HR	ALL	1ST	21113024
680493.61	4158589.99	0.31937	24.69	24.69	1.2	1-HR	ALL	1ST	20120206	680493.61	4158589.99	0.02549	24.69	24.69	1.2	24-HR	ALL	1ST	19011124
680517.02	4158589.83	0.35819	24.69	24.69	1.2	1-HR	ALL	1ST	19010718	680517.02	4158589.83	0.0252	24.69	24.69	1.2	24-HR	ALL	1ST	18112724
680540.43	4158589.68	0.35684	24.69	24.69	1.2	1-HR	ALL	1ST	19012903	680540.43	4158589.68	0.02132	24.69	24.69	1.2	24-HR	ALL	1ST	21020124

680563.84	4158589.53	0.306	24.72	24.72	1.2	1-HR	ALL	1ST	19012903	680563.84	4158589.53	0.01972	24.72	24.72	1.2	24-HR	ALL	1ST	19052624
680587.25	4158589.37	0.34048	24.71	24.71	1.2	1-HR	ALL	1ST	22121307	680587.25	4158589.37	0.02704	24.71	24.71	1.2	24-HR	ALL	1ST	19052624
680610.67	4158589.22	0.3471	24.69	24.69	1.2	1-HR	ALL	1ST	19011218	680610.67	4158589.22	0.02834	24.69	24.69	1.2	24-HR	ALL	1ST	19011224
680449.12	4158631.36	0.31548	24.71	24.71	1.2	1-HR	ALL	1ST	19013019	680449.12	4158631.36	0.02268	24.71	24.71	1.2	24-HR	ALL	1ST	22122224
680427.72	4158622.58	0.30199	24.89	24.89	1.2	1-HR	ALL	1ST	19011423	680427.72	4158622.58	0.03646	24.89	24.89	1.2	24-HR	ALL	1ST	20010824
680406.31	4158613.8	0.32893	24.98	24.98	1.2	1-HR	ALL	1ST	19010217	680406.31	4158613.8	0.05592	24.98	24.98	1.2	24-HR	ALL	1ST	20010824
680384.91	4158605.02	0.3317	24.83	24.83	1.2	1-HR	ALL	1ST	20010809	680384.91	4158605.02	0.05819	24.83	24.83	1.2	24-HR	ALL	1ST	20010824
680363.51	4158596.24	0.32897	24.69	24.69	1.2	1-HR	ALL	1ST	20120906	680363.51	4158596.24	0.04393	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680342.1	4158587.46	0.30307	24.49	24.49	1.2	1-HR	ALL	1ST	19013018	680342.1	4158587.46	0.02677	24.49	24.49	1.2	24-HR	ALL	1ST	20010824
680320.7	4158578.68	0.32923	24.38	24.38	1.2	1-HR	ALL	1ST	19010719	680320.7	4158578.68	0.03505	24.38	24.38	1.2	24-HR	ALL	1ST	21122424
680299.3	4158569.9	0.32748	24.38	24.38	1.2	1-HR	ALL	1ST	20011018	680299.3	4158569.9	0.04172	24.38	24.38	1.2	24-HR	ALL	1ST	22122124
680277.89	4158561.12	0.33002	24.38	24.38	1.2	1-HR	ALL	1ST	20021104	680277.89	4158561.12	0.04916	24.38	24.38	1.2	24-HR	ALL	1ST	22122124
680256.49	4158552.34	0.32429	24.41	24.41	1.2	1-HR	ALL	1ST	19011424	680256.49	4158552.34	0.04183	24.41	24.41	1.2	24-HR	ALL	1ST	22122124
680235.09	4158543.56	0.33162	24.5	24.5	1.2	1-HR	ALL	1ST	20010303	680235.09	4158543.56	0.03113	24.5	24.5	1.2	24-HR	ALL	1ST	20122224
680213.68	4158534.78	0.36515	24.59	24.59	1.2	1-HR	ALL	1ST	20122218	680213.68	4158534.78	0.04127	24.59	24.59	1.2	24-HR	ALL	1ST	20122224
680192.28	4158526	0.36404	24.47	24.47	1.2	1-HR	ALL	1ST	20122001	680192.28	4158526	0.03914	24.47	24.47	1.2	24-HR	ALL	1ST	20122224
680170.88	4158517.22	0.35977	24.38	24.38	1.2	1-HR	ALL	1ST	20122920	680170.88	4158517.22	0.03362	24.38	24.38	1.2	24-HR	ALL	1ST	20091224
680149.47	4158508.44	0.34902	24.38	24.38	1.2	1-HR	ALL	1ST	21020219	680149.47	4158508.44	0.03917	24.38	24.38	1.2	24-HR	ALL	1ST	20091224
680119.28	4158478.26	0.38146	24.38	24.38	1.2	1-HR	ALL	1ST	21021808	680119.28	4158478.26	0.04143	24.38	24.38	1.2	24-HR	ALL	1ST	20012524
680110.48	4158456.87	0.36917	24.38	24.38	1.2	1-HR	ALL	1ST	20120122	680110.48	4158456.87	0.05079	24.38	24.38	1.2	24-HR	ALL	1ST	20120124
680101.69	4158435.47	0.37786	24.38	24.38	1.2	1-HR	ALL	1ST	18012901	680101.69	4158435.47	0.05716	24.38	24.38	1.2	24-HR	ALL	1ST	20120124
680092.9	4158414.07	0.38426	24.38	24.38	1.2	1-HR	ALL	1ST	21121003	680092.9	4158414.07	0.05414	24.38	24.38	1.2	24-HR	ALL	1ST	19012924
680084.11	4158392.67	0.3928	24.38	24.38	1.2	1-HR	ALL	1ST	20120308	680084.11	4158392.67	0.0637	24.38	24.38	1.2	24-HR	ALL	1ST	20121624
680075.31	4158371.27	0.39726	24.38	24.38	1.2	1-HR	ALL	1ST	21012122	680075.31	4158371.27	0.06691	24.38	24.38	1.2	24-HR	ALL	1ST	20121624
680066.52	4158349.88	0.44721	24.38	24.38	1.2	1-HR	ALL	1ST	20122009	680066.52	4158349.88	0.06993	24.38	24.38	1.2	24-HR	ALL	1ST	22011124
680057.73	4158328.48	0.43017	24.38	24.38	1.2	1-HR	ALL	1ST	20121609	680057.73	4158328.48	0.09533	24.38	24.38	1.2	24-HR	ALL	1ST	21120124
680048.94	4158307.08	0.40818	24.38	24.38	1.2	1-HR	ALL	1ST	20022520	680048.94	4158307.08	0.10806	24.38	24.38	1.2	24-HR	ALL	1ST	21112224
680040.14	4158285.68	0.43834	24.38	24.38	1.2	1-HR	ALL	1ST	22011509	680040.14	4158285.68	0.11862	24.38	24.38	1.2	24-HR	ALL	1ST	22020624
680031.35	4158264.28	0.42183	24.38	24.38	1.2	1-HR	ALL	1ST	22022808	680031.35	4158264.28	0.12181	24.38	24.38	1.2	24-HR	ALL	1ST	20010624
680022.56	4158242.88	0.4066	24.38	24.38	1.2	1-HR	ALL	1ST	22013020	680022.56	4158242.88	0.10002	24.38	24.38	1.2	24-HR	ALL	1ST	20010624
680013.77	4158221.49	0.40877	24.38	24.38	1.2	1-HR	ALL	1ST	22011920	680013.77	4158221.49	0.0748	24.38	24.38	1.2	24-HR	ALL	1ST	21113024
680004.97	4158200.09	0.40404	24.38	24.38	1.2	1-HR	ALL	1ST	22012423	680004.97	4158200.09	0.06736	24.38	24.38	1.2	24-HR	ALL	1ST	19010424
679996.18	4158178.69	0.39775	24.34	24.34	1.2	1-HR	ALL	1ST	22022005	679996.18	4158178.69	0.06704	24.34	24.34	1.2	24-HR	ALL	1ST	19021124
680470.52	4158640.14	0.29747	24.69	24.69	1.2	1-HR	ALL	1ST	19011119	680470.52	4158640.14	0.02277	24.69	24.69	1.2	24-HR	ALL	1ST	22122224
680493.94	4158639.99	0.28328	24.69	24.69	1.2	1-HR	ALL	1ST	20120206	680493.94	4158639.99	0.02239	24.69	24.69	1.2	24-HR	ALL	1ST	19011124
680517.35	4158639.83	0.31919	24.69	24.69	1.2	1-HR	ALL	1ST	19010718	680517.35	4158639.83	0.02245	24.69	24.69	1.2	24-HR	ALL	1ST	18112724
680540.76	4158639.68	0.31087	24.69	24.69	1.2	1-HR	ALL	1ST	19012903	680540.76	4158639.68	0.01907	24.69	24.69	1.2	24-HR	ALL	1ST	21020124
680564.17	4158639.53	0.29426	24.73	24.73	1.2	1-HR	ALL	1ST	19012903	680564.17	4158639.53	0.01521	24.73	24.73	1.2	24-HR	ALL	1ST	21020124
680587.58	4158639.37	0.3041	24.72	24.72	1.2	1-HR	ALL	1ST	22121307	680587.58	4158639.37	0.02315	24.72	24.72	1.2	24-HR	ALL	1ST	19052624
680610.99	4158639.22	0.30642	24.69	24.69	1.2	1-HR	ALL	1ST	19010724	680610.99	4158639.22	0.0247	24.69	24.69	1.2	24-HR	ALL	1ST	19011224
680402.95	4157964.52	1.64468	24.48	24.48	1.2	1-HR	ALL	1ST	22021303	680402.95	4157964.52	0.13923	24.48	24.48	1.2	24-HR	ALL	1ST	22010624
680429.52	4157942.32	1.57554	24.38	24.38	1.2	1-HR	ALL	1ST	21021105	680429.52	4157942.32	0.18878	24.38	24.38	1.2	24-HR	ALL	1ST	22010624
680450.6	4157636.84	0.41879	24.38	24.38	1.2	1-HR	ALL	1ST	22122308	680450.6	4157636.84	0.03749	24.38	24.38	1.2	24-HR	ALL	1ST	18102524
680414.64	4157620.68	0.36896	24.38	24.38	1.2	1-HR	ALL	1ST	22033002	680414.64	4157620.68	0.03627	24.38	24.38	1.2	24-HR	ALL	1ST	22091224
680452.34	4157567.05	0.34385	24.38	24.38	1.2	1-HR	ALL	1ST	22122308	680452.34	4157567.05	0.03117	24.38	24.38	1.2	24-HR	ALL	1ST	21031824
680435	4157556.91	0.31813	24.38	24.38	1.2	1-HR	ALL	1ST	18030807	680435	4157556.91	0.03021	24.38	24.38	1.2	24-HR	ALL	1ST	22091224
680329.82	4157758.5	0.55118	24.2	24.2	1.2	1-HR	ALL	1ST	22010620	680329.82	4157758.5	0.04788	24.2	24.2	1.2	24-HR	ALL	1ST	21021124
680026.5	4158082.06	0.43449	24.08	24.08	1.2	1-HR	ALL	1ST	22010224	680026.5	4158082.06	0.0435	24.08	24.08	1.2	24-HR	ALL	1ST	22010224
680041.32	4158060.13	0.46327	24.08	24.08	1.2	1-HR	ALL	1ST	22010223	680041.32	4158060.13	0.04455	24.08	24.08	1.2	24-HR	ALL	1ST	22010224
680035.99	4158009.75	0.3641	24.08	24.08	1.2	1-HR	ALL	1ST	22022607	680035.99	4158009.75	0.03797	24.08	24.08	1.2	24-HR	ALL	1ST	21011624
680000.42	4158005.3	0.33272	24.08	24.08	1.2	1-HR	ALL	1ST	22022607	680000.42	4158005.3	0.03431	24.08	24.08	1.2	24-HR	ALL	1ST	21011624
679995.98	4158039.98	0.36558	24.08	24.08	1.2	1-HR	ALL	1ST	22020824	679995.98	4158039.98	0.02857	24.08	24.08	1.2	24-HR	ALL	1ST	21020724
680002.63	4157956.26	0.32414	24.08	24.08	1.2	1-HR	ALL	1ST	22011221	680002.63	4157956.26	0.0264	24.08	24.08	1.2	24-HR	ALL	1ST	21122124
680034.36	4157913.72	0.32691	24.08	24.08	1.2	1-HR	ALL	1ST	22011719	680034.36	4157913.72	0.03222	24.08	24.08	1.2	24-HR	ALL	1ST	20032224
680051.45	4157887.92	0.33754	24.08	24.08	1.2	1-HR	ALL	1ST	22011008	680051.45	4157887.92	0.02777	24.08	24.08	1.2	24-HR	ALL	1ST	20030724
680264.49	4157967.77	0.78611	24.38	24.38	1.2	1-HR	ALL	1ST	22011008	680264.49	4157967.77	0.07306	24.38	24.38	1.2	24-HR	ALL	1ST	20032224
680257.16	4157893.15	0.64248	24.38	24.38	1.2	1-HR	ALL	1ST	22110918	680257.16	4157893.15	0.05119	24.38	24.38	1.2	24-HR	ALL	1ST	18012824
680422.92	4158244.63	1.0699	24.69	24.69	1.2	1-HR	ALL	1ST	20012208	680422.92	4158244.63	0.18561	24.69	24.69	1.2	24-HR	ALL	1ST	22122124
680485.15	4158370.56	0.65469	24.69	24.69	1.2	1-HR	ALL	1ST	19011119	680485.15	4158370.56	0.05743	24.69	24.69	1.2	24-HR	ALL	1ST	22122224
680540.58	4158375.85	0.59819	24.7	24.7	1.2	1-HR	ALL	1ST	22121307	680540.58	4158375.85	0.0451	24.7	24.7	1.2	24-HR	ALL	1ST	19052624
680503.29	4158368.79	0.65913	24.69	24.69	1.2	1-HR	ALL	1ST	19010718	680503.29	4158368.79	0.05109	24.69	24.69	1.2	24-HR	ALL	1ST	18112724
680395.21	4158405.44	0.51462	24.69	24.69	1.2	1-HR	ALL	1ST	19013018	680395.21	4158405.44	0.05336	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680430.8	4158417.35	0.56911	24.69	24.69	1.2	1-HR	ALL	1ST	20010809	680430.8	4158417.35	0.1059	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680431.57	4158399.87	0.608	24.69	24.69	1.2	1-HR	ALL	1ST	20010809	680431.57	4158399.87	0.11286	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680397.08	4158581.66	0.3566	24.69	24.69	1.2	1-HR	ALL	1ST	20010809	680397.08	4158581.66	0.06401	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680552.12	4158633.24	0.32534	24.72	24.72	1.2	1-HR	ALL	1ST	19012903	680552.12	4158633.24	0.01787	24.72	24.72	1.2	24-HR	ALL	1ST	21020124
680504.69	4158638.57	0.28985	24.69	24.69	1.2	1-HR	ALL	1ST	22122119	680504.69	4158638.57	0.02227	24.69	24.69	1.2	24-HR	ALL	1ST	18112724
680423.46	4158586.4	0.33888	24.7	24.7	1.2	1-HR	ALL	1ST	19010217	680423.46	4158586.4	0.0498	24.7	24.7	1.2	24-HR	ALL	1ST	20010824
680423.17	4158538.08	0.39842	24.69	24.69	1.2	1-HR	ALL	1ST	19010217	680423.17	4158538.08	0.06485	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680425.54	4158520.29	0.41802	24.69	24.69	1.2	1-HR	ALL	1ST	19010217	680425.54	4158520.29	0.0687	24.69	24.69	1.2	24-HR	ALL	1ST	20010824
680472.16	4158438.52	0.5295	24.71	24.71	1.2	1-HR	ALL	1ST	19010419	680472.16	4158438.52	0.04324	24.71	24.71	1.2	24-HR	ALL	1ST	22122224

** CONCUNIT ug/ m^3
** DEPUNIT g/m^ 2

** CONCUNIT ug/ m^3
** DEPUNIT g/m^ 2

Keyes-Central Commercial Development Project—Benzene Concentrations

AERMOD Output Files (results from actual emissions) Annual Results

ANNUAL
Maximum 0.13341

* AERMOD (24142): F:\HRA\0006-010\Keyes Gasoline\Keyes Gasoline.isc 2/16/2026
* AERMET (21112): 6:30:53 AM
* MODELING OPTI ONS USED: Reg DFAULT CONC ELEV FL GPOL RURA L ADJ_ U*
* PLOT FILE OF ANNUAL VALUES AVERA GED ACROSS 5 YEARS FOR SO URCE GRO UP: ALL
* FOR A TOTAL OF 550 RECEPTORS.
* FORMA T: (3(1X,F13.5) ,3(1X,F8.2), 2X,A6,2X,A 8,2X,I8.8, 2X,A8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP NUM YRS
* _____ _____ _____ _____ _____ _____ _____ _____ _____

680829.36	4158182.03	0.00356	25.3	25.3	1.2	ANNUAL	ALL	5
680812.41	4158222.11	0.00304	25.02	25.02	1.2	ANNUAL	ALL	5
680795.46	4158262.19	0.00257	24.99	24.99	1.2	ANNUAL	ALL	5
680778.52	4158302.27	0.00226	25.02	25.02	1.2	ANNUAL	ALL	5
680749.96	4158330.67	0.0021	25.01	25.01	1.2	ANNUAL	ALL	5
680709.78	4158347.4	0.00213	24.99	24.99	1.2	ANNUAL	ALL	5
680669.61	4158364.13	0.00209	24.99	24.99	1.2	ANNUAL	ALL	5
680629.44	4158380.86	0.00213	24.95	24.95	1.2	ANNUAL	ALL	5
680838.1	4158139.94	0.0043	25.3	25.3	1.2	ANNUAL	ALL	5
680838.63	4158095.85	0.00513	25.47	25.47	1.2	ANNUAL	ALL	5
680839.15	4158051.75	0.00525	25.46	25.46	1.2	ANNUAL	ALL	5
680879.58	4158182.1	0.00302	25.43	25.43	1.2	ANNUAL	ALL	5
680863.07	4158221.14	0.00279	25.21	25.21	1.2	ANNUAL	ALL	5
680846.57	4158260.17	0.00229	25.02	25.02	1.2	ANNUAL	ALL	5
680830.06	4158299.21	0.00206	24.91	24.91	1.2	ANNUAL	ALL	5
680813.55	4158338.24	0.00183	24.76	24.76	1.2	ANNUAL	ALL	5
680785.74	4158365.9	0.00172	24.78	24.78	1.2	ANNUAL	ALL	5
680746.62	4158382.2	0.00175	24.99	24.99	1.2	ANNUAL	ALL	5
680707.49	4158398.49	0.00171	24.99	24.99	1.2	ANNUAL	ALL	5
680668.37	4158414.78	0.00172	24.99	24.99	1.2	ANNUAL	ALL	5
680629.25	4158431.08	0.00175	24.72	24.72	1.2	ANNUAL	ALL	5
680888.09	4158140.54	0.00367	25.6	25.6	1.2	ANNUAL	ALL	5
680888.62	4158096.44	0.00415	25.6	25.6	1.2	ANNUAL	ALL	5
680889.15	4158052.35	0.0042	25.72	25.72	1.2	ANNUAL	ALL	5
680929.72	4158182.35	0.00265	25.43	25.43	1.2	ANNUAL	ALL	5
680913.51	4158220.69	0.00244	25.3	25.3	1.2	ANNUAL	ALL	5
680897.3	4158259.03	0.00217	25.3	25.3	1.2	ANNUAL	ALL	5
680881.09	4158297.37	0.00182	25.3	25.3	1.2	ANNUAL	ALL	5
680864.88	4158335.7	0.0017	25.18	25.18	1.2	ANNUAL	ALL	5
680848.67	4158374.04	0.00151	25.04	25.04	1.2	ANNUAL	ALL	5
680821.35	4158401.21	0.00144	24.77	24.77	1.2	ANNUAL	ALL	5
680782.92	4158417.21	0.00146	24.7	24.7	1.2	ANNUAL	ALL	5
680744.5	4158433.21	0.00144	24.99	24.99	1.2	ANNUAL	ALL	5
680706.07	4158449.22	0.00142	24.99	24.99	1.2	ANNUAL	ALL	5
680667.65	4158465.22	0.00145	24.99	24.99	1.2	ANNUAL	ALL	5
680629.22	4158481.22	0.00145	24.69	24.69	1.2	ANNUAL	ALL	5
680938.09	4158141.14	0.00316	25.6	25.6	1.2	ANNUAL	ALL	5
680938.62	4158097.04	0.00343	25.62	25.62	1.2	ANNUAL	ALL	5
680939.15	4158052.95	0.00346	25.84	25.84	1.2	ANNUAL	ALL	5
680979.82	4158182.7	0.00237	25.6	25.6	1.2	ANNUAL	ALL	5
680963.82	4158220.54	0.00212	25.34	25.34	1.2	ANNUAL	ALL	5
680947.82	4158258.38	0.00201	25.3	25.3	1.2	ANNUAL	ALL	5
680931.82	4158296.22	0.00171	25.3	25.3	1.2	ANNUAL	ALL	5
680915.82	4158334.06	0.00152	25.3	25.3	1.2	ANNUAL	ALL	5
680899.82	4158371.9	0.00143	25.3	25.3	1.2	ANNUAL	ALL	5
680883.82	4158409.74	0.00127	25.25	25.25	1.2	ANNUAL	ALL	5
680856.86	4158436.56	0.00122	24.82	24.82	1.2	ANNUAL	ALL	5
680818.93	4158452.35	0.00124	24.69	24.69	1.2	ANNUAL	ALL	5
680781	4158468.15	0.00123	24.68	24.68	1.2	ANNUAL	ALL	5
680743.08	4158483.94	0.00121	24.87	24.87	1.2	ANNUAL	ALL	5
680705.15	4158499.74	0.00122	24.98	24.98	1.2	ANNUAL	ALL	5
680667.23	4158515.53	0.00124	24.73	24.73	1.2	ANNUAL	ALL	5
680629.3	4158531.32	0.00123	24.72	24.72	1.2	ANNUAL	ALL	5
680988.09	4158141.74	0.00273	25.6	25.6	1.2	ANNUAL	ALL	5
680988.62	4158097.64	0.00289	25.62	25.62	1.2	ANNUAL	ALL	5
680989.14	4158053.55	0.0029	25.83	25.83	1.2	ANNUAL	ALL	5
681029.37	4158184.37	0.00213	25.6	25.6	1.2	ANNUAL	ALL	5
681012.47	4158224.33	0.00187	25.49	25.49	1.2	ANNUAL	ALL	5
680995.57	4158264.29	0.00178	25.3	25.3	1.2	ANNUAL	ALL	5
680978.67	4158304.26	0.00158	25.3	25.3	1.2	ANNUAL	ALL	5
680961.77	4158344.22	0.00135	25.3	25.3	1.2	ANNUAL	ALL	5
680944.88	4158384.18	0.00127	25.3	25.3	1.2	ANNUAL	ALL	5
680927.98	4158424.15	0.00117	25.1	25.1	1.2	ANNUAL	ALL	5
680891.05	4158472.45	0.00105	24.99	24.99	1.2	ANNUAL	ALL	5
680851	4158489.13	0.00107	24.58	24.58	1.2	ANNUAL	ALL	5
680810.94	4158505.81	0.00107	24.38	24.38	1.2	ANNUAL	ALL	5
680770.89	4158522.5	0.00104	24.51	24.51	1.2	ANNUAL	ALL	5
680730.83	4158539.18	0.00105	24.69	24.69	1.2	ANNUAL	ALL	5
680690.78	4158555.86	0.00107	24.41	24.41	1.2	ANNUAL	ALL	5
680650.72	4158572.54	0.00106	24.69	24.69	1.2	ANNUAL	ALL	5
681038.08	4158142.34	0.00238	25.6	25.6	1.2	ANNUAL	ALL	5
681038.61	4158098.24	0.00247	25.64	25.64	1.2	ANNUAL	ALL	5
681039.14	4158054.15	0.00248	25.86	25.86	1.2	ANNUAL	ALL	5
681079.49	4158184.66	0.00192	25.34	25.34	1.2	ANNUAL	ALL	5
681062.85	4158224.03	0.0017	25.51	25.51	1.2	ANNUAL	ALL	5
681046.2	4158263.39	0.00158	25.3	25.3	1.2	ANNUAL	ALL	5
681029.56	4158302.75	0.00151	25.3	25.3	1.2	ANNUAL	ALL	5
681012.92	4158342.11	0.00129	25.3	25.3	1.2	ANNUAL	ALL	5
680996.27	4158381.48	0.00115	25.3	25.3	1.2	ANNUAL	ALL	5
680979.63	4158420.84	0.0011	25.3	25.3	1.2	ANNUAL	ALL	5
680962.98	4158460.2	0.00101	25.04	25.04	1.2	ANNUAL	ALL	5
680926.61	4158507.78	0.00092	24.7	24.7	1.2	ANNUAL	ALL	5
680887.16	4158524.21	0.00094	24.4	24.4	1.2	ANNUAL	ALL	5
680847.71	4158540.64	0.00093	24.38	24.38	1.2	ANNUAL	ALL	5
680808.25	4158557.07	0.00092	24.38	24.38	1.2	ANNUAL	ALL	5
680768.8	4158573.5	0.00091	24.53	24.53	1.2	ANNUAL	ALL	5
680729.35	4158589.93	0.00093	24.64	24.64	1.2	ANNUAL	ALL	5
680689.9	4158606.36	0.00093	24.42	24.42	1.2	ANNUAL	ALL	5
680650.45	4158622.79	0.00092	24.69	24.69	1.2	ANNUAL	ALL	5
681088.08	4158142.94	0.00209	25.3	25.3	1.2	ANNUAL	ALL	5
681088.61	4158098.84	0.00214	25.3	25.3	1.2	ANNUAL	ALL	5
681089.14	4158054.75	0.00215	25.67	25.67	1.2	ANNUAL	ALL	5
681089.67	4158010.65	0.00207	25.85	25.85	1.2	ANNUAL	ALL	5
680629.68	4157877.99	0.02473	24.69	24.69	1.2	ANNUAL	ALL	5
680667.86	4157894.16	0.02191	24.69	24.69	1.2	ANNUAL	ALL	5
680587.02	4157869.75	0.02559	24.55	24.55	1.2	ANNUAL	ALL	5
680563.46	4157869.59	0.02568	24.41	24.41	1.2	ANNUAL	ALL	5
680539.89	4157869.44	0.02384	24.38	24.38	1.2	ANNUAL	ALL	5
680516.33	4157869.28	0.02012	24.38	24.38	1.2	ANNUAL	ALL	5
680492.76	4157869.13	0.01717	24.38	24.38	1.2	ANNUAL	ALL	5
680629.3	4157855.26	0.02143	24.69	24.69	1.2	ANNUAL	ALL	5

680666.42	4157870.99	0.01971	24.71	24.71	1.2	ANNUAL	ALL	5
680703.54	4157886.71	0.01709	24.77	24.77	1.2	ANNUAL	ALL	5
680729.61	4157913.27	0.01292	24.74	24.74	1.2	ANNUAL	ALL	5
680587.17	4157847.25	0.0211	24.52	24.52	1.2	ANNUAL	ALL	5
680563.61	4157847.09	0.02092	24.38	24.38	1.2	ANNUAL	ALL	5
680540.04	4157846.94	0.01916	24.38	24.38	1.2	ANNUAL	ALL	5
680516.48	4157846.78	0.01637	24.38	24.38	1.2	ANNUAL	ALL	5
680492.91	4157846.63	0.01431	24.38	24.38	1.2	ANNUAL	ALL	5
680653.31	4157842.87	0.01822	24.69	24.69	1.2	ANNUAL	ALL	5
680695.73	4157860.84	0.01633	24.95	24.95	1.2	ANNUAL	ALL	5
680755.33	4157921.56	0.00977	24.78	24.78	1.2	ANNUAL	ALL	5
680610.88	4157824.9	0.01748	24.69	24.69	1.2	ANNUAL	ALL	5
680587.32	4157824.75	0.01772	24.58	24.58	1.2	ANNUAL	ALL	5
680563.75	4157824.59	0.01732	24.46	24.46	1.2	ANNUAL	ALL	5
680540.19	4157824.44	0.01573	24.38	24.38	1.2	ANNUAL	ALL	5
680516.62	4157824.28	0.01361	24.38	24.38	1.2	ANNUAL	ALL	5
680493.06	4157824.13	0.01213	24.38	24.38	1.2	ANNUAL	ALL	5
680631.54	4157783.51	0.01306	24.69	24.69	1.2	ANNUAL	ALL	5
680672.2	4157800.73	0.01381	24.69	24.69	1.2	ANNUAL	ALL	5
680712.85	4157817.95	0.01271	24.77	24.77	1.2	ANNUAL	ALL	5
680753.51	4157835.17	0.01152	24.99	24.99	1.2	ANNUAL	ALL	5
680782.07	4157864.27	0.00958	24.99	24.99	1.2	ANNUAL	ALL	5
680798.53	4157905.24	0.0073	25.25	25.25	1.2	ANNUAL	ALL	5
680814.99	4157946.2	0.00571	25.09	25.09	1.2	ANNUAL	ALL	5
680587.65	4157774.75	0.01254	24.69	24.69	1.2	ANNUAL	ALL	5
680564.08	4157774.59	0.01196	24.69	24.69	1.2	ANNUAL	ALL	5
680540.52	4157774.44	0.01078	24.65	24.65	1.2	ANNUAL	ALL	5
680516.95	4157774.28	0.0096	24.42	24.42	1.2	ANNUAL	ALL	5
680493.39	4157774.13	0.00881	24.38	24.38	1.2	ANNUAL	ALL	5
680631.34	4157733.29	0.00986	24.69	24.69	1.2	ANNUAL	ALL	5
680670.93	4157750.06	0.01056	24.69	24.69	1.2	ANNUAL	ALL	5
680710.53	4157766.83	0.01058	24.81	24.81	1.2	ANNUAL	ALL	5
680750.13	4157783.6	0.0098	24.98	24.98	1.2	ANNUAL	ALL	5
680789.72	4157800.37	0.00908	24.99	24.99	1.2	ANNUAL	ALL	5
680817.54	4157828.71	0.00804	25.24	25.24	1.2	ANNUAL	ALL	5
680833.57	4157868.61	0.00645	25.32	25.32	1.2	ANNUAL	ALL	5
680849.6	4157908.51	0.00502	25.6	25.6	1.2	ANNUAL	ALL	5
680865.63	4157948.41	0.0044	25.48	25.48	1.2	ANNUAL	ALL	5
680587.98	4157724.75	0.0093	24.58	24.58	1.2	ANNUAL	ALL	5
680564.41	4157724.6	0.00873	24.45	24.45	1.2	ANNUAL	ALL	5
680540.85	4157724.44	0.00789	24.38	24.38	1.2	ANNUAL	ALL	5
680517.28	4157724.29	0.00719	24.38	24.38	1.2	ANNUAL	ALL	5
680493.72	4157724.13	0.00673	24.38	24.38	1.2	ANNUAL	ALL	5
680633.08	4157683.89	0.00775	24.69	24.69	1.2	ANNUAL	ALL	5
680654.29	4157692.88	0.00798	24.69	24.69	1.2	ANNUAL	ALL	5
680675.51	4157701.86	0.00819	24.69	24.69	1.2	ANNUAL	ALL	5
680696.72	4157710.84	0.00852	24.69	24.69	1.2	ANNUAL	ALL	5
680717.93	4157719.83	0.0087	24.69	24.69	1.2	ANNUAL	ALL	5
680739.14	4157728.81	0.00848	24.85	24.85	1.2	ANNUAL	ALL	5
680760.35	4157737.79	0.00815	24.99	24.99	1.2	ANNUAL	ALL	5
680781.57	4157746.78	0.00789	24.99	24.99	1.2	ANNUAL	ALL	5
680802.78	4157755.76	0.00766	24.99	24.99	1.2	ANNUAL	ALL	5
680823.99	4157764.75	0.00739	25.1	25.1	1.2	ANNUAL	ALL	5
680853.79	4157795.11	0.00677	25.3	25.3	1.2	ANNUAL	ALL	5
680862.38	4157816.48	0.00616	25.37	25.37	1.2	ANNUAL	ALL	5
680870.97	4157837.86	0.00551	25.55	25.55	1.2	ANNUAL	ALL	5
680879.56	4157859.23	0.00494	25.41	25.41	1.2	ANNUAL	ALL	5
680888.14	4157880.61	0.00436	25.53	25.53	1.2	ANNUAL	ALL	5
680896.73	4157901.98	0.00393	25.6	25.6	1.2	ANNUAL	ALL	5
680905.32	4157923.36	0.00371	25.6	25.6	1.2	ANNUAL	ALL	5
680913.91	4157944.73	0.00358	25.8	25.8	1.2	ANNUAL	ALL	5
680922.5	4157966.11	0.00347	25.91	25.91	1.2	ANNUAL	ALL	5
680611.87	4157674.91	0.00739	24.69	24.69	1.2	ANNUAL	ALL	5
680588.31	4157674.75	0.00714	24.53	24.53	1.2	ANNUAL	ALL	5
680564.74	4157674.6	0.00664	24.38	24.38	1.2	ANNUAL	ALL	5
680541.18	4157674.44	0.00605	24.38	24.38	1.2	ANNUAL	ALL	5
680517.61	4157674.29	0.00562	24.38	24.38	1.2	ANNUAL	ALL	5
680494.05	4157674.13	0.00533	24.38	24.38	1.2	ANNUAL	ALL	5
680632.87	4157633.66	0.00621	24.69	24.69	1.2	ANNUAL	ALL	5
680674.2	4157651.17	0.00658	24.69	24.69	1.2	ANNUAL	ALL	5
680715.54	4157668.68	0.00696	24.69	24.69	1.2	ANNUAL	ALL	5
680756.88	4157686.18	0.00709	24.7	24.7	1.2	ANNUAL	ALL	5
680798.21	4157703.69	0.00663	24.93	24.93	1.2	ANNUAL	ALL	5
680839.55	4157721.2	0.0063	25.05	25.05	1.2	ANNUAL	ALL	5
680889.25	4157759.53	0.0058	25.3	25.3	1.2	ANNUAL	ALL	5
680905.99	4157801.19	0.00491	25.32	25.32	1.2	ANNUAL	ALL	5
680922.73	4157842.84	0.00404	25.6	25.6	1.2	ANNUAL	ALL	5
680931.09	4157863.67	0.00362	25.6	25.6	1.2	ANNUAL	ALL	5
680947.83	4157905.32	0.00314	25.65	25.65	1.2	ANNUAL	ALL	5
680956.2	4157926.15	0.00304	25.84	25.84	1.2	ANNUAL	ALL	5
680972.94	4157967.8	0.00288	25.91	25.91	1.2	ANNUAL	ALL	5
680588.63	4157624.75	0.00563	24.69	24.69	1.2	ANNUAL	ALL	5
680565.07	4157624.6	0.00522	24.6	24.6	1.2	ANNUAL	ALL	5
680541.5	4157624.44	0.00481	24.39	24.39	1.2	ANNUAL	ALL	5
680517.94	4157624.29	0.00453	24.39	24.39	1.2	ANNUAL	ALL	5
680494.37	4157624.13	0.00434	24.38	24.38	1.2	ANNUAL	ALL	5
680632.8	4157583.49	0.00508	24.69	24.69	1.2	ANNUAL	ALL	5
680673.34	4157600.66	0.00544	24.69	24.69	1.2	ANNUAL	ALL	5
680713.87	4157617.83	0.00562	24.69	24.69	1.2	ANNUAL	ALL	5
680754.41	4157635	0.00598	24.7	24.7	1.2	ANNUAL	ALL	5
680794.95	4157652.17	0.00586	24.99	24.99	1.2	ANNUAL	ALL	5
680835.49	4157669.34	0.00551	24.99	24.99	1.2	ANNUAL	ALL	5
680876.03	4157686.51	0.00529	25.01	25.01	1.2	ANNUAL	ALL	5
680924.77	4157724.1	0.005	25.3	25.3	1.2	ANNUAL	ALL	5
680941.19	4157764.95	0.0044	25.3	25.3	1.2	ANNUAL	ALL	5
680957.6	4157805.8	0.00371	25.6	25.6	1.2	ANNUAL	ALL	5
680974.01	4157846.65	0.00306	25.6	25.6	1.2	ANNUAL	ALL	5
680990.43	4157887.5	0.00269	25.81	25.81	1.2	ANNUAL	ALL	5
681006.84	4157928.35	0.00257	25.91	25.91	1.2	ANNUAL	ALL	5
681023.26	4157969.2	0.00243	25.91	25.91	1.2	ANNUAL	ALL	5
680588.96	4157574.75	0.00455	24.69	24.69	1.2	ANNUAL	ALL	5
680565.4	4157574.6	0.00422	24.69	24.69	1.2	ANNUAL	ALL	5
680541.83	4157574.44	0.00393	24.67	24.67	1.2	ANNUAL	ALL	5
680518.27	4157574.29	0.00374	24.43	24.43	1.2	ANNUAL	ALL	5
680494.7	4157574.13	0.00361	24.38	24.38	1.2	ANNUAL	ALL	5
680634.07	4157533.89	0.00424	24.69	24.69	1.2	ANNUAL	ALL	5
680655.28	4157542.88	0.00443	24.69	24.69	1.2	ANNUAL	ALL	5
680676.49	4157551.86	0.00458	24.69	24.69	1.2	ANNUAL	ALL	5
680697.7	4157560.85	0.00468	24.69	24.69	1.2	ANNUAL	ALL	5
680718.92	4157569.83	0.00474	24.69	24.69	1.2	ANNUAL	ALL	5
680740.13	4157578.81	0.00482	24.69	24.69	1.2	ANNUAL	ALL	5
680761.34	4157587.8	0.00498	24.69	24.69	1.2	ANNUAL	ALL	5
680782.55	4157596.78	0.00512	24.71	24.71	1.2	ANNUAL	ALL	5

680803.76	4157605.77	0.00511	24.93	24.93	1.2	ANNUAL	ALL	5
680824.98	4157614.75	0.00498	24.99	24.99	1.2	ANNUAL	ALL	5
680846.19	4157623.73	0.00482	24.99	24.99	1.2	ANNUAL	ALL	5
680867.4	4157632.72	0.0047	24.99	24.99	1.2	ANNUAL	ALL	5
680888.61	4157641.7	0.00461	24.93	24.93	1.2	ANNUAL	ALL	5
680909.82	4157650.69	0.00452	24.96	24.96	1.2	ANNUAL	ALL	5
680931.04	4157659.67	0.00442	24.99	24.99	1.2	ANNUAL	ALL	5
680960.84	4157690.03	0.00434	25.27	25.27	1.2	ANNUAL	ALL	5
680969.42	4157711.4	0.00421	25.3	25.3	1.2	ANNUAL	ALL	5
680978.01	4157732.78	0.00391	25.3	25.3	1.2	ANNUAL	ALL	5
680986.6	4157754.15	0.00357	25.37	25.37	1.2	ANNUAL	ALL	5
680995.19	4157775.53	0.0033	25.6	25.6	1.2	ANNUAL	ALL	5
681003.78	4157796.9	0.00304	25.6	25.6	1.2	ANNUAL	ALL	5
681012.37	4157818.28	0.00276	25.6	25.6	1.2	ANNUAL	ALL	5
681020.96	4157839.65	0.00253	25.6	25.6	1.2	ANNUAL	ALL	5
681029.54	4157861.03	0.00238	25.6	25.6	1.2	ANNUAL	ALL	5
681038.13	4157882.4	0.0023	25.78	25.78	1.2	ANNUAL	ALL	5
681046.72	4157903.78	0.00225	25.91	25.91	1.2	ANNUAL	ALL	5
681055.31	4157925.15	0.00222	25.91	25.91	1.2	ANNUAL	ALL	5
681063.9	4157946.53	0.00216	25.91	25.91	1.2	ANNUAL	ALL	5
681072.49	4157967.9	0.00209	25.91	25.91	1.2	ANNUAL	ALL	5
681081.08	4157989.28	0.00206	25.91	25.91	1.2	ANNUAL	ALL	5
680612.86	4157524.91	0.00398	24.69	24.69	1.2	ANNUAL	ALL	5
680589.29	4157524.76	0.00375	24.69	24.69	1.2	ANNUAL	ALL	5
680565.73	4157524.6	0.00349	24.61	24.61	1.2	ANNUAL	ALL	5
680542.16	4157524.45	0.00329	24.38	24.38	1.2	ANNUAL	ALL	5
680518.6	4157524.29	0.00316	24.38	24.38	1.2	ANNUAL	ALL	5
680495.03	4157524.14	0.00306	24.38	24.38	1.2	ANNUAL	ALL	5
680471.47	4157523.98	0.00296	24.38	24.38	1.2	ANNUAL	ALL	5
680430.54	4158077.83	0.13341	24.69	24.69	1.2	ANNUAL	ALL	5
680412.13	4158105.31	0.09004	24.69	24.69	1.2	ANNUAL	ALL	5
680422.91	4158070.64	0.08787	24.69	24.69	1.2	ANNUAL	ALL	5
680410.3	4158086.53	0.09837	24.69	24.69	1.2	ANNUAL	ALL	5
680438.57	4157973.64	0.01714	24.57	24.57	1.2	ANNUAL	ALL	5
680441.02	4157960.92	0.01627	24.44	24.44	1.2	ANNUAL	ALL	5
680400.41	4158070.5	0.04971	24.69	24.69	1.2	ANNUAL	ALL	5
680400.15	4158115.13	0.07206	24.69	24.69	1.2	ANNUAL	ALL	5
680403.34	4157974.41	0.01063	24.58	24.58	1.2	ANNUAL	ALL	5
680433.61	4157908.14	0.01072	24.38	24.38	1.2	ANNUAL	ALL	5
680378.05	4158048.06	0.01756	24.53	24.53	1.2	ANNUAL	ALL	5
680377.78	4158092.68	0.05903	24.53	24.53	1.2	ANNUAL	ALL	5
680377.51	4158137.3	0.04646	24.54	24.54	1.2	ANNUAL	ALL	5
680380.9	4157943.77	0.00725	24.38	24.38	1.2	ANNUAL	ALL	5
680409.21	4157915.81	0.00842	24.38	24.38	1.2	ANNUAL	ALL	5
680355.68	4158025.61	0.01014	24.38	24.38	1.2	ANNUAL	ALL	5
680355.55	4158047.92	0.01357	24.38	24.38	1.2	ANNUAL	ALL	5
680355.28	4158092.55	0.03967	24.38	24.38	1.2	ANNUAL	ALL	5
680355.01	4158137.17	0.04702	24.41	24.41	1.2	ANNUAL	ALL	5
680357.4	4157946.02	0.00596	24.38	24.38	1.2	ANNUAL	ALL	5
680392.6	4157900.13	0.00669	24.38	24.38	1.2	ANNUAL	ALL	5
680430.9	4157884.55	0.00925	24.38	24.38	1.2	ANNUAL	ALL	5
680333.18	4158025.48	0.00839	24.38	24.38	1.2	ANNUAL	ALL	5
680332.91	4158070.1	0.01646	24.38	24.38	1.2	ANNUAL	ALL	5
680332.78	4158092.41	0.02769	24.38	24.38	1.2	ANNUAL	ALL	5
680332.52	4158137.03	0.04308	24.4	24.4	1.2	ANNUAL	ALL	5
680334.23	4157947.47	0.00502	24.38	24.38	1.2	ANNUAL	ALL	5
680349.84	4157910.43	0.00492	24.38	24.38	1.2	ANNUAL	ALL	5
680376.26	4157884.33	0.00548	24.38	24.38	1.2	ANNUAL	ALL	5
680413.49	4157869.19	0.00712	24.38	24.38	1.2	ANNUAL	ALL	5
680310.68	4158025.34	0.00708	24.38	24.38	1.2	ANNUAL	ALL	5
680310.55	4158047.66	0.00888	24.38	24.38	1.2	ANNUAL	ALL	5
680310.15	4158114.59	0.03059	24.38	24.38	1.2	ANNUAL	ALL	5
680310.02	4158136.9	0.03667	24.39	24.39	1.2	ANNUAL	ALL	5
680311.25	4157948.47	0.00422	24.38	24.38	1.2	ANNUAL	ALL	5
680326.54	4157912.18	0.00417	24.38	24.38	1.2	ANNUAL	ALL	5
680360.07	4157868.48	0.0046	24.38	24.38	1.2	ANNUAL	ALL	5
680396.54	4157853.64	0.00574	24.38	24.38	1.2	ANNUAL	ALL	5
680433.02	4157838.81	0.00786	24.38	24.38	1.2	ANNUAL	ALL	5
680288.18	4158025.21	0.00607	24.38	24.38	1.2	ANNUAL	ALL	5
680287.91	4158069.83	0.01022	24.38	24.38	1.2	ANNUAL	ALL	5
680287.78	4158092.14	0.01542	24.38	24.38	1.2	ANNUAL	ALL	5
680287.52	4158136.77	0.02988	24.38	24.38	1.2	ANNUAL	ALL	5
680263.96	4157941.75	0.00307	24.38	24.38	1.2	ANNUAL	ALL	5
680281.05	4157901.17	0.0031	24.38	24.38	1.2	ANNUAL	ALL	5
680298.15	4157860.6	0.00303	24.38	24.38	1.2	ANNUAL	ALL	5
680327.09	4157832.03	0.00333	24.38	24.38	1.2	ANNUAL	ALL	5
680367.87	4157815.44	0.00407	24.38	24.38	1.2	ANNUAL	ALL	5
680408.65	4157798.85	0.00529	24.38	24.38	1.2	ANNUAL	ALL	5
680238.18	4158024.91	0.00449	24.38	24.38	1.2	ANNUAL	ALL	5
680237.92	4158069.53	0.00679	24.38	24.38	1.2	ANNUAL	ALL	5
680237.65	4158114.16	0.01328	24.38	24.38	1.2	ANNUAL	ALL	5
680237.38	4158158.78	0.02189	24.38	24.38	1.2	ANNUAL	ALL	5
680213.29	4157943.03	0.00249	24.38	24.38	1.2	ANNUAL	ALL	5
680229.94	4157903.52	0.00234	24.38	24.38	1.2	ANNUAL	ALL	5
680246.59	4157864.01	0.00235	24.38	24.38	1.2	ANNUAL	ALL	5
680263.24	4157824.5	0.00232	24.38	24.38	1.2	ANNUAL	ALL	5
680291.42	4157796.67	0.00253	24.17	24.17	1.2	ANNUAL	ALL	5
680331.14	4157780.51	0.00294	24.36	24.36	1.2	ANNUAL	ALL	5
680370.86	4157764.36	0.00352	24.38	24.38	1.2	ANNUAL	ALL	5
680410.58	4157748.21	0.00461	24.38	24.38	1.2	ANNUAL	ALL	5
680188.18	4158024.61	0.00348	24.38	24.38	1.2	ANNUAL	ALL	5
680188.05	4158046.93	0.00399	24.38	24.38	1.2	ANNUAL	ALL	5
680187.78	4158091.55	0.00637	24.38	24.38	1.2	ANNUAL	ALL	5
680187.52	4158136.17	0.01137	24.38	24.38	1.2	ANNUAL	ALL	5
680162.84	4157943.8	0.00208	24.38	24.38	1.2	ANNUAL	ALL	5
680179.2	4157904.99	0.00186	24.38	24.38	1.2	ANNUAL	ALL	5
680195.55	4157866.18	0.00189	24.38	24.38	1.2	ANNUAL	ALL	5
680211.9	4157827.38	0.00185	24.38	24.38	1.2	ANNUAL	ALL	5
680228.26	4157788.57	0.00185	24.22	24.22	1.2	ANNUAL	ALL	5
680255.94	4157761.23	0.00201	24.08	24.08	1.2	ANNUAL	ALL	5
680294.94	4157745.37	0.00223	24.08	24.08	1.2	ANNUAL	ALL	5
680333.95	4157729.5	0.00262	24.24	24.24	1.2	ANNUAL	ALL	5
680372.96	4157713.64	0.00316	24.38	24.38	1.2	ANNUAL	ALL	5
680411.97	4157697.77	0.004	24.38	24.38	1.2	ANNUAL	ALL	5
680138.18	4158024.32	0.00278	24.38	24.38	1.2	ANNUAL	ALL	5
680138.05	4158046.63	0.00313	24.38	24.38	1.2	ANNUAL	ALL	5
680137.78	4158091.25	0.00463	24.38	24.38	1.2	ANNUAL	ALL	5
680137.52	4158135.87	0.00767	24.38	24.38	1.2	ANNUAL	ALL	5
680137.39	4158158.18	0.00975	24.38	24.38	1.2	ANNUAL	ALL	5
680112.53	4157944.25	0.00175	24.34	24.34	1.2	ANNUAL	ALL	5
680128.67	4157905.95	0.00159	24.22	24.22	1.2	ANNUAL	ALL	5
680144.81	4157867.65	0.0015	24.29	24.29	1.2	ANNUAL	ALL	5
680160.95	4157829.35	0.00156	24.14	24.14	1.2	ANNUAL	ALL	5

680177.09	4157791.04	0.0015	24.08	24.08	1.2	ANNUAL	ALL	5
680193.23	4157752.74	0.00151	24.08	24.08	1.2	ANNUAL	ALL	5
680220.55	4157725.76	0.00163	24.08	24.08	1.2	ANNUAL	ALL	5
680259.05	4157710.1	0.00177	24.08	24.08	1.2	ANNUAL	ALL	5
680297.55	4157694.44	0.00205	24.08	24.08	1.2	ANNUAL	ALL	5
680336.05	4157678.78	0.00232	24.38	24.38	1.2	ANNUAL	ALL	5
680374.56	4157663.13	0.00286	24.38	24.38	1.2	ANNUAL	ALL	5
680413.06	4157647.47	0.00349	24.38	24.38	1.2	ANNUAL	ALL	5
680088.18	4158024.02	0.00229	24.33	24.33	1.2	ANNUAL	ALL	5
680087.92	4158068.64	0.00293	24.33	24.33	1.2	ANNUAL	ALL	5
680087.65	4158113.26	0.0044	24.38	24.38	1.2	ANNUAL	ALL	5
680087.39	4158157.89	0.00687	24.38	24.38	1.2	ANNUAL	ALL	5
680063.89	4157940.73	0.00149	24.08	24.08	1.2	ANNUAL	ALL	5
680080.93	4157900.28	0.00137	24.08	24.08	1.2	ANNUAL	ALL	5
680097.98	4157859.83	0.00125	24.08	24.08	1.2	ANNUAL	ALL	5
680115.03	4157819.37	0.00129	24.08	24.08	1.2	ANNUAL	ALL	5
680132.07	4157778.92	0.00128	24.08	24.08	1.2	ANNUAL	ALL	5
680149.12	4157738.47	0.00124	24.08	24.08	1.2	ANNUAL	ALL	5
680186.5	4157689.75	0.00136	24.08	24.08	1.2	ANNUAL	ALL	5
680227.16	4157673.21	0.00146	24.08	24.08	1.2	ANNUAL	ALL	5
680267.82	4157656.67	0.00168	24.08	24.08	1.2	ANNUAL	ALL	5
680308.49	4157640.13	0.00188	24.13	24.13	1.2	ANNUAL	ALL	5
680349.15	4157623.59	0.00226	24.38	24.38	1.2	ANNUAL	ALL	5
680389.81	4157607.06	0.00274	24.38	24.38	1.2	ANNUAL	ALL	5
680424.73	4157580.26	0.00308	24.38	24.38	1.2	ANNUAL	ALL	5
680041.74	4158029.35	0.00198	24.08	24.08	1.2	ANNUAL	ALL	5
680037.92	4158068.34	0.00238	24.08	24.08	1.2	ANNUAL	ALL	5
680037.79	4158090.66	0.00281	24.1	24.1	1.2	ANNUAL	ALL	5
680037.52	4158135.28	0.00415	24.38	24.38	1.2	ANNUAL	ALL	5
679996.71	4157981.19	0.00145	24.08	24.08	1.2	ANNUAL	ALL	5
680013.5	4157941.35	0.00129	24.08	24.08	1.2	ANNUAL	ALL	5
680030.29	4157901.5	0.0012	24.08	24.08	1.2	ANNUAL	ALL	5
680047.08	4157861.66	0.0011	24.08	24.08	1.2	ANNUAL	ALL	5
680063.87	4157821.81	0.00106	24.08	24.08	1.2	ANNUAL	ALL	5
680080.66	4157781.97	0.00111	24.08	24.08	1.2	ANNUAL	ALL	5
680097.45	4157742.13	0.00107	24.08	24.08	1.2	ANNUAL	ALL	5
680114.24	4157702.28	0.00105	24.08	24.08	1.2	ANNUAL	ALL	5
680151.06	4157654.29	0.00116	24.08	24.08	1.2	ANNUAL	ALL	5
680191.11	4157638	0.00122	24.08	24.08	1.2	ANNUAL	ALL	5
680231.16	4157621.72	0.00137	24.08	24.08	1.2	ANNUAL	ALL	5
680271.21	4157605.43	0.00154	24.08	24.08	1.2	ANNUAL	ALL	5
680311.26	4157589.14	0.00173	24.2	24.2	1.2	ANNUAL	ALL	5
680351.31	4157572.85	0.00209	24.38	24.38	1.2	ANNUAL	ALL	5
680391.36	4157556.56	0.00246	24.38	24.38	1.2	ANNUAL	ALL	5
680428.74	4157533.59	0.00275	24.38	24.38	1.2	ANNUAL	ALL	5
679988.19	4158023.42	0.00163	24.08	24.08	1.2	ANNUAL	ALL	5
679987.92	4158068.05	0.00198	24.08	24.08	1.2	ANNUAL	ALL	5
679987.65	4158112.67	0.00271	24.08	24.08	1.2	ANNUAL	ALL	5
679987.39	4158157.29	0.00389	24.18	24.18	1.2	ANNUAL	ALL	5
680435.72	4158214.48	0.01169	24.69	24.69	1.2	ANNUAL	ALL	5
680413.07	4158191.85	0.01725	24.69	24.69	1.2	ANNUAL	ALL	5
680407.92	4158247.95	0.00893	24.69	24.69	1.2	ANNUAL	ALL	5
680379.61	4158219.66	0.01347	24.69	24.69	1.2	ANNUAL	ALL	5
680421.15	4158264.33	0.00752	24.69	24.69	1.2	ANNUAL	ALL	5
680364.04	4158236.38	0.0116	24.69	24.69	1.2	ANNUAL	ALL	5
680348.21	4158197.86	0.01811	24.69	24.69	1.2	ANNUAL	ALL	5
680412.23	4158294.6	0.00602	24.79	24.79	1.2	ANNUAL	ALL	5
680374.77	4158279.23	0.00755	24.69	24.69	1.2	ANNUAL	ALL	5
680348.35	4158252.83	0.01013	24.69	24.69	1.2	ANNUAL	ALL	5
680332.96	4158215.38	0.01505	24.68	24.68	1.2	ANNUAL	ALL	5
680317.58	4158177.94	0.02598	24.53	24.53	1.2	ANNUAL	ALL	5
680425.75	4158322.59	0.00499	24.9	24.9	1.2	ANNUAL	ALL	5
680382.95	4158305.03	0.00582	24.82	24.82	1.2	ANNUAL	ALL	5
680322.55	4158244.67	0.01117	24.65	24.65	1.2	ANNUAL	ALL	5
680304.97	4158201.87	0.01893	24.4	24.4	1.2	ANNUAL	ALL	5
680407.35	4158364.9	0.00394	24.69	24.69	1.2	ANNUAL	ALL	5
680366.33	4158348.07	0.00445	24.69	24.69	1.2	ANNUAL	ALL	5
680325.31	4158331.25	0.00581	24.69	24.69	1.2	ANNUAL	ALL	5
680296.37	4158302.33	0.00711	24.69	24.69	1.2	ANNUAL	ALL	5
680279.52	4158261.31	0.01024	24.69	24.69	1.2	ANNUAL	ALL	5
680262.66	4158220.3	0.01636	24.38	24.38	1.2	ANNUAL	ALL	5
680492.3	4158389.99	0.00296	24.69	24.69	1.2	ANNUAL	ALL	5
680515.71	4158389.84	0.00271	24.7	24.7	1.2	ANNUAL	ALL	5
680539.12	4158389.69	0.00249	24.82	24.82	1.2	ANNUAL	ALL	5
680562.53	4158389.53	0.00235	24.74	24.74	1.2	ANNUAL	ALL	5
680585.94	4158389.38	0.00223	24.69	24.69	1.2	ANNUAL	ALL	5
680409.28	4158415.56	0.00307	24.69	24.69	1.2	ANNUAL	ALL	5
680369.33	4158399.17	0.00333	24.69	24.69	1.2	ANNUAL	ALL	5
680329.38	4158382.78	0.00392	24.69	24.69	1.2	ANNUAL	ALL	5
680289.43	4158366.39	0.00488	24.69	24.69	1.2	ANNUAL	ALL	5
680261.24	4158338.23	0.00572	24.69	24.69	1.2	ANNUAL	ALL	5
680244.83	4158298.28	0.00782	24.69	24.69	1.2	ANNUAL	ALL	5
680228.42	4158258.34	0.01141	24.4	24.4	1.2	ANNUAL	ALL	5
680212	4158218.4	0.01716	24.38	24.38	1.2	ANNUAL	ALL	5
680195.59	4158178.45	0.01763	24.38	24.38	1.2	ANNUAL	ALL	5
680492.63	4158439.99	0.00235	24.82	24.82	1.2	ANNUAL	ALL	5
680516.04	4158439.84	0.00217	24.99	24.99	1.2	ANNUAL	ALL	5
680539.45	4158439.68	0.00201	24.99	24.99	1.2	ANNUAL	ALL	5
680562.86	4158439.53	0.00191	24.83	24.83	1.2	ANNUAL	ALL	5
680586.27	4158439.38	0.00182	24.71	24.71	1.2	ANNUAL	ALL	5
680426.73	4158472.58	0.00237	24.69	24.69	1.2	ANNUAL	ALL	5
680405.33	4158463.8	0.00249	24.69	24.69	1.2	ANNUAL	ALL	5
680383.93	4158455.02	0.00259	24.69	24.69	1.2	ANNUAL	ALL	5
680362.52	4158446.24	0.00269	24.69	24.69	1.2	ANNUAL	ALL	5
680341.12	4158437.46	0.00282	24.69	24.69	1.2	ANNUAL	ALL	5
680319.72	4158428.68	0.00303	24.69	24.69	1.2	ANNUAL	ALL	5
680298.31	4158419.9	0.00342	24.69	24.69	1.2	ANNUAL	ALL	5
680276.91	4158411.12	0.00386	24.69	24.69	1.2	ANNUAL	ALL	5
680255.51	4158402.34	0.00409	24.69	24.69	1.2	ANNUAL	ALL	5
680225.31	4158372.17	0.00479	24.69	24.69	1.2	ANNUAL	ALL	5
680216.52	4158350.77	0.00551	24.69	24.69	1.2	ANNUAL	ALL	5
680207.73	4158329.37	0.00649	24.5	24.5	1.2	ANNUAL	ALL	5
680198.93	4158307.97	0.0077	24.38	24.38	1.2	ANNUAL	ALL	5
680190.14	4158286.57	0.00928	24.38	24.38	1.2	ANNUAL	ALL	5
680181.35	4158265.18	0.01153	24.38	24.38	1.2	ANNUAL	ALL	5
680172.56	4158243.78	0.0138	24.38	24.38	1.2	ANNUAL	ALL	5
680163.76	4158222.38	0.01511	24.38	24.38	1.2	ANNUAL	ALL	5
680154.97	4158200.98	0.01473	24.38	24.38	1.2	ANNUAL	ALL	5
680146.18	4158179.58	0.01258	24.38	24.38	1.2	ANNUAL	ALL	5
680469.54	4158490.14	0.00204	24.85	24.85	1.2	ANNUAL	ALL	5
680492.95	4158489.99	0.00191	24.99	24.99	1.2	ANNUAL	ALL	5
680516.36	4158489.84	0.00179	24.99	24.99	1.2	ANNUAL	ALL	5
680539.78	4158489.68	0.00166	24.99	24.99	1.2	ANNUAL	ALL	5

680563.19	4158489.53	0.00158	24.99	24.99	1.2	ANNUAL	ALL	5
680586.6	4158489.38	0.00152	24.86	24.86	1.2	ANNUAL	ALL	5
680407.31	4158514.48	0.00205	24.69	24.69	1.2	ANNUAL	ALL	5
680386.45	4158505.92	0.00213	24.69	24.69	1.2	ANNUAL	ALL	5
680365.6	4158497.37	0.00219	24.69	24.69	1.2	ANNUAL	ALL	5
680344.74	4158488.81	0.00227	24.69	24.69	1.2	ANNUAL	ALL	5
680323.89	4158480.26	0.00236	24.69	24.69	1.2	ANNUAL	ALL	5
680282.18	4158463.15	0.00277	24.69	24.69	1.2	ANNUAL	ALL	5
680261.32	4158454.59	0.00312	24.69	24.69	1.2	ANNUAL	ALL	5
680240.47	4158446.04	0.00337	24.69	24.69	1.2	ANNUAL	ALL	5
680190.19	4158408.08	0.00403	24.69	24.69	1.2	ANNUAL	ALL	5
680173.06	4158366.38	0.00526	24.52	24.52	1.2	ANNUAL	ALL	5
680164.49	4158345.53	0.0061	24.39	24.39	1.2	ANNUAL	ALL	5
680147.36	4158303.83	0.00853	24.38	24.38	1.2	ANNUAL	ALL	5
680130.22	4158262.13	0.01183	24.38	24.38	1.2	ANNUAL	ALL	5
680121.66	4158241.29	0.01264	24.38	24.38	1.2	ANNUAL	ALL	5
680104.52	4158199.59	0.01087	24.38	24.38	1.2	ANNUAL	ALL	5
680469.87	4158540.14	0.00169	24.77	24.77	1.2	ANNUAL	ALL	5
680493.28	4158539.99	0.0016	24.84	24.84	1.2	ANNUAL	ALL	5
680516.69	4158539.84	0.0015	24.83	24.83	1.2	ANNUAL	ALL	5
680540.1	4158539.68	0.0014	24.71	24.71	1.2	ANNUAL	ALL	5
680563.52	4158539.53	0.00133	24.79	24.79	1.2	ANNUAL	ALL	5
680586.93	4158539.38	0.00129	24.85	24.85	1.2	ANNUAL	ALL	5
680408.84	4158564.97	0.00171	24.69	24.69	1.2	ANNUAL	ALL	5
680367.94	4158548.19	0.00183	24.49	24.49	1.2	ANNUAL	ALL	5
680327.03	4158531.41	0.00194	24.62	24.62	1.2	ANNUAL	ALL	5
680286.13	4158514.63	0.00212	24.69	24.69	1.2	ANNUAL	ALL	5
680245.22	4158497.85	0.00257	24.69	24.69	1.2	ANNUAL	ALL	5
680204.32	4158481.08	0.00294	24.59	24.59	1.2	ANNUAL	ALL	5
680155.01	4158443.85	0.00345	24.6	24.6	1.2	ANNUAL	ALL	5
680138.21	4158402.95	0.00437	24.52	24.52	1.2	ANNUAL	ALL	5
680121.41	4158362.06	0.00569	24.38	24.38	1.2	ANNUAL	ALL	5
680104.6	4158321.17	0.00786	24.38	24.38	1.2	ANNUAL	ALL	5
680087.8	4158280.27	0.01024	24.38	24.38	1.2	ANNUAL	ALL	5
680070.99	4158239.38	0.0105	24.38	24.38	1.2	ANNUAL	ALL	5
680054.19	4158198.48	0.0079	24.38	24.38	1.2	ANNUAL	ALL	5
680493.61	4158589.99	0.00136	24.69	24.69	1.2	ANNUAL	ALL	5
680517.02	4158589.83	0.00128	24.69	24.69	1.2	ANNUAL	ALL	5
680540.43	4158589.68	0.0012	24.69	24.69	1.2	ANNUAL	ALL	5
680563.84	4158589.53	0.00114	24.72	24.72	1.2	ANNUAL	ALL	5
680587.25	4158589.37	0.00111	24.71	24.71	1.2	ANNUAL	ALL	5
680610.67	4158589.22	0.00108	24.69	24.69	1.2	ANNUAL	ALL	5
680449.12	4158631.36	0.00131	24.71	24.71	1.2	ANNUAL	ALL	5
680427.72	4158622.58	0.00139	24.89	24.89	1.2	ANNUAL	ALL	5
680406.31	4158613.8	0.00147	24.98	24.98	1.2	ANNUAL	ALL	5
680384.91	4158605.02	0.00153	24.83	24.83	1.2	ANNUAL	ALL	5
680363.51	4158596.24	0.00157	24.69	24.69	1.2	ANNUAL	ALL	5
680342.1	4158587.46	0.00161	24.49	24.49	1.2	ANNUAL	ALL	5
680320.7	4158578.68	0.00166	24.38	24.38	1.2	ANNUAL	ALL	5
680299.3	4158569.9	0.00171	24.38	24.38	1.2	ANNUAL	ALL	5
680277.89	4158561.12	0.00178	24.38	24.38	1.2	ANNUAL	ALL	5
680256.49	4158552.34	0.0019	24.41	24.41	1.2	ANNUAL	ALL	5
680235.09	4158543.56	0.00209	24.5	24.5	1.2	ANNUAL	ALL	5
680213.68	4158534.78	0.00232	24.59	24.59	1.2	ANNUAL	ALL	5
680192.28	4158526	0.00249	24.47	24.47	1.2	ANNUAL	ALL	5
680170.88	4158517.22	0.00256	24.38	24.38	1.2	ANNUAL	ALL	5
680149.47	4158508.44	0.00261	24.38	24.38	1.2	ANNUAL	ALL	5
680119.28	4158478.26	0.00301	24.38	24.38	1.2	ANNUAL	ALL	5
680110.48	4158456.87	0.00335	24.38	24.38	1.2	ANNUAL	ALL	5
680101.69	4158435.47	0.00379	24.38	24.38	1.2	ANNUAL	ALL	5
680092.9	4158414.07	0.0043	24.38	24.38	1.2	ANNUAL	ALL	5
680084.11	4158392.67	0.00487	24.38	24.38	1.2	ANNUAL	ALL	5
680075.31	4158371.27	0.00562	24.38	24.38	1.2	ANNUAL	ALL	5
680066.52	4158349.88	0.00663	24.38	24.38	1.2	ANNUAL	ALL	5
680057.73	4158328.48	0.00775	24.38	24.38	1.2	ANNUAL	ALL	5
680048.94	4158307.08	0.00868	24.38	24.38	1.2	ANNUAL	ALL	5
680040.14	4158285.68	0.00921	24.38	24.38	1.2	ANNUAL	ALL	5
680031.35	4158264.28	0.00919	24.38	24.38	1.2	ANNUAL	ALL	5
680022.56	4158242.88	0.00848	24.38	24.38	1.2	ANNUAL	ALL	5
680013.77	4158221.49	0.0073	24.38	24.38	1.2	ANNUAL	ALL	5
680004.97	4158200.09	0.006	24.38	24.38	1.2	ANNUAL	ALL	5
679996.18	4158178.69	0.00484	24.34	24.34	1.2	ANNUAL	ALL	5
680470.52	4158640.14	0.00123	24.69	24.69	1.2	ANNUAL	ALL	5
680493.94	4158639.99	0.00117	24.69	24.69	1.2	ANNUAL	ALL	5
680517.35	4158639.83	0.00111	24.69	24.69	1.2	ANNUAL	ALL	5
680540.76	4158639.68	0.00105	24.69	24.69	1.2	ANNUAL	ALL	5
680564.17	4158639.53	0.00099	24.73	24.73	1.2	ANNUAL	ALL	5
680587.58	4158639.37	0.00096	24.72	24.72	1.2	ANNUAL	ALL	5
680610.99	4158639.22	0.00094	24.69	24.69	1.2	ANNUAL	ALL	5
680402.95	4157964.52	0.01005	24.48	24.48	1.2	ANNUAL	ALL	5
680429.52	4157942.32	0.01227	24.38	24.38	1.2	ANNUAL	ALL	5
680450.6	4157636.84	0.00409	24.38	24.38	1.2	ANNUAL	ALL	5
680414.64	4157620.68	0.00327	24.38	24.38	1.2	ANNUAL	ALL	5
680452.34	4157567.05	0.00326	24.38	24.38	1.2	ANNUAL	ALL	5
680435	4157556.91	0.003	24.38	24.38	1.2	ANNUAL	ALL	5
680329.82	4157758.5	0.00277	24.2	24.2	1.2	ANNUAL	ALL	5
680026.5	4158082.06	0.00251	24.08	24.08	1.2	ANNUAL	ALL	5
680041.32	4158060.13	0.00229	24.08	24.08	1.2	ANNUAL	ALL	5
680035.99	4158009.75	0.00181	24.08	24.08	1.2	ANNUAL	ALL	5
680000.42	4158005.3	0.0016	24.08	24.08	1.2	ANNUAL	ALL	5
679995.98	4158039.98	0.00177	24.08	24.08	1.2	ANNUAL	ALL	5
680002.63	4157956.26	0.00133	24.08	24.08	1.2	ANNUAL	ALL	5
680034.36	4157913.72	0.00126	24.08	24.08	1.2	ANNUAL	ALL	5
680051.45	4157887.92	0.00121	24.08	24.08	1.2	ANNUAL	ALL	5
680264.49	4157967.77	0.00354	24.38	24.38	1.2	ANNUAL	ALL	5
680257.16	4157893.15	0.00268	24.38	24.38	1.2	ANNUAL	ALL	5
680422.92	4158244.63	0.00888	24.69	24.69	1.2	ANNUAL	ALL	5
680485.15	4158370.56	0.00335	24.69	24.69	1.2	ANNUAL	ALL	5
680540.58	4158375.85	0.00265	24.7	24.7	1.2	ANNUAL	ALL	5
680503.29	4158368.79	0.00316	24.69	24.69	1.2	ANNUAL	ALL	5
680395.21	4158405.44	0.00322	24.69	24.69	1.2	ANNUAL	ALL	5
680430.8	4158417.35	0.003	24.69	24.69	1.2	ANNUAL	ALL	5
680431.57	4158399.87	0.00326	24.69	24.69	1.2	ANNUAL	ALL	5
680397.08	4158581.66	0.00163	24.69	24.69	1.2	ANNUAL	ALL	5
680552.12	4158633.24	0.00104	24.72	24.72	1.2	ANNUAL	ALL	5
680504.69	4158638.57	0.00115	24.69	24.69	1.2	ANNUAL	ALL	5
680423.46	4158586.4	0.00157	24.7	24.7	1.2	ANNUAL	ALL	5
680423.17	4158538.08	0.00185	24.69	24.69	1.2	ANNUAL	ALL	5
680425.54	4158520.29	0.00197	24.69	24.69	1.2	ANNUAL	ALL	5
680472.16	4158438.52	0.00251	24.71	24.71	1.2	ANNUAL	ALL	5

** CONCUNIT ug/ m^3
** DEPUNIT g/m^ 2

CENTRAL CALIFORNIA INFORMATION CENTER

California Historical Resources Information System
Department of Anthropology – California State University, Stanislaus
One University Circle, Turlock, California 95382
(209) 667-3307

Alpine, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus & Tuolumne Counties

Date: 7/2/2024

Records Search File #: 12979N
Project: Development Rezone,
5956 Central Avenue, Ceres
APN 041-038-015

David O. Romano
Newman-Romano
1034 12 Street
Modesto, CA 95354
209-521-9521

dave@newman-romano.com

Dear Mr. Romano:

We have conducted a non-confidential extended records search as per your request for the above-referenced project area located on the Ceres USGS 7.5-minute quadrangle map in Stanislaus County.

Search of our files includes review of our maps for the specific project area and the immediate vicinity of the project area, and review of the following:

National Register of Historic Places (NRHP)
California Register of Historical Resources (CRHR)
California Inventory of Historic Resources (1976)
California Historical Landmarks
California Points of Historical Interest listing
Office of Historic Preservation Built Environment Resource Directory (BERD) and the Archaeological Resources Directory (ARD)
Survey of Surveys (1989)
Caltrans State and Local Bridges Inventory
General Land Office Plats
Other pertinent historic data available at the CCaIC for each specific county

The following details the results of the records search:

Prehistoric or historic resources within the project area:

- There are no formally recorded prehistoric or historic archaeological resources or historic buildings or structures within the project area.

- The General Land Office survey plat for T4S R9E (dated 1854) does not show any historic features within the SW ¼ of the SW ¼ of Section 26.

ATTACHMENT III

- The Official Map of the County of Stanislaus, California (1906) shows the alignments of both Central Avenue and Keyes Road, Lateral 2 ½ on the north side of the project area, and references T. A. Beard as the landowner at that time.

- The 1916 and 1953 editions of the Ceres USGS quadrangle show the street alignments and the lateral, but no other historic features.

Prehistoric or historic resources within the immediate vicinity of the project area: As referenced above, segments of Lateral 2 ½ have been recorded elsewhere in Stanislaus County as P-50-000071.

Resources that are known to have value to local cultural groups: None has been formally reported to the Information Center.

Previous investigations within the project area: None has been formally reported to the Information Center.

Recommendations/Comments:

Please be advised that a historical resource is defined as a building, structure, object, prehistoric or historic archaeological site, or district possessing physical evidence of human activities over 45 years old. Since the project area has not been subject to previous investigations, there may be unidentified features involved in your project that are 45 years or older and considered as historical resources requiring further study and evaluation by a qualified professional of the appropriate discipline.

If the current project does not include ground disturbance, further study for archaeological resources is not recommended at this time. If ground disturbance is considered a part of the current project, we recommend further review for the possibility of identifying prehistoric or historic-era archaeological resources.

If the proposed project contains buildings or structures that meet the minimum age requirement (45 years in age or older) it is recommended that the resource/s be assessed by a professional familiar with architecture and history of the county. Review of the available historic building/structure data has included only those sources listed above and should not be considered comprehensive.

If at any time you might require the services of a qualified professional the Statewide Referral List for Historical Resources Consultants is posted for your use on the internet at http://chrisinfo.org

If archaeological resources are encountered during project-related activities, work should be temporarily halted in the vicinity of the discovered materials and workers should avoid altering the materials and their context until a qualified professional archaeologist has evaluated the situation and provided appropriate recommendations. Project personnel should not collect cultural resources.

If human remains are discovered, California Health and Safety Code Section 7050.5 requires you to protect the discovery and notify the county coroner, who will determine if the find is Native American. If the remains are recognized as Native American, the coroner shall then notify the Native American Heritage Commission (NAHC). California Public Resources Code Section 5097.98 authorizes the NAHC to appoint a Most Likely Descendant (MLD) who will make recommendations for the treatment of the discovery.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the State Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

The California Office of Historic Preservation (OHP) contracts with the California Historical Resources Information System's (CHRIS) regional Information Centers (ICs) to maintain information in the CHRIS inventory and make it available to local, state, and federal agencies, cultural resource professionals, Native American tribes, researchers, and the public. Recommendations made by IC coordinators or their staff regarding the interpretation and application of this information are advisory only. Such recommendations do not necessarily represent the evaluation or opinion of the State Historic Preservation Officer in carrying out the OHP's regulatory authority under federal and state law.

We thank you for contacting this office regarding historical resource preservation. Please let us know when we can be of further service. Thank you for sending the signed **Access Agreement Short Form.**

Note: Billing will be transmitted separately via email from the Financial Services office ($150.00), payable within 60 days of receipt of the invoice.

If you wish to include payment by Credit Card, you must wait to receive the official invoice from Financial Services so that you can reference the CMP # (Invoice Number), and then contact the link below:

https://commerce.cashnet.com/ANTHROPOLOGY

Sincerely,

E. A. Greathouse

E. A. Greathouse, Coordinator
Central California Information Center
California Historical Resources Information System

* Invoice Request sent to: ARBilling@csustan.edu, CSU Stanislaus Financial Services