Appendix D

Health Risk Assessment

Construction Health Risk Assessment | August 2015

Hotel Project Sonoma

for the City of Sonoma

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1. Introduction

The City of Sonoma is proposing to construct a hotel with restaurant component in the City of Sonoma, Sonoma County, California. The latest version of the Bay Area Air Quality Management District (BAAQMD) CEQA Air Quality Guidelines requires projects to evaluate the impacts of construction activities on sensitive receptors (BAAQMD, 2012). Project construction is anticipated to take place starting in July 2016 and be completed by the end of December 2017, approximately 547 calendar days (391 workdays).

The nearest offsite sensitive receptors are the residents at the multi-family residential complex approximately 100 feet to the southwest of the project site. Other nearby sensitive receptors includes a mix of single- and multi-family residences that are dispersed in the surrounding area to the project site. The residents at these locations could be potentially impacted from the proposed construction activities.

The BAAQMD has developed *Screening Tables for Air Toxics Evaluation During Construction* (2010) that evaluate construction-related health risks associated with residential, commercial, and industrial projects. According to the screening tables, the residences are much closer than the distance of 100 meters (328 feet) that would screen out potential health risks. Therefore, a site-specific construction health risk assessment (HRA) was prepared for the proposed project.

This construction HRA considers the health impact of construction operations at the project site to sensitive receptors (adults and children in the nearby residences) from diesel equipment exhaust (diesel particulate matter or DPM) and fine particulate matter ($PM_{2.5}$).

1. Introduction

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2. Project Description

The project site is located on a 1.24-acre property within the southwest quadrant of the intersection of East Napa Street and 1st Street West in the City of Sonoma. It is surrounded by other commercial land uses. Additionally, residential land uses along with the Golden Living Centers – London House Sonoma nursing care facility and Sunshine School daycare facility are also in in proximity and within the 1,000-foot buffer zone of project site.

The proposed project would involve demolition of the existing metal warehouse, 153 West Napa Street building, ancillary structures (i.e. sheds), and existing parking lots and development of the proposed 62-room hotel and 80-seat restaurant. Construction of the project is anticipated to begin in July 2016 and be completed by the end of December 2017. Construction activities would include demolition, grading and excavation, building construction, exterior and interior architectural coating (painting), landscaping, and paving. Additionally, it is anticipated that construction activities would include truck haul operations to remove the demolition debris and soil material that would be generated.

The project site and vicinity are depicted in Figure 1.

2. Project Description

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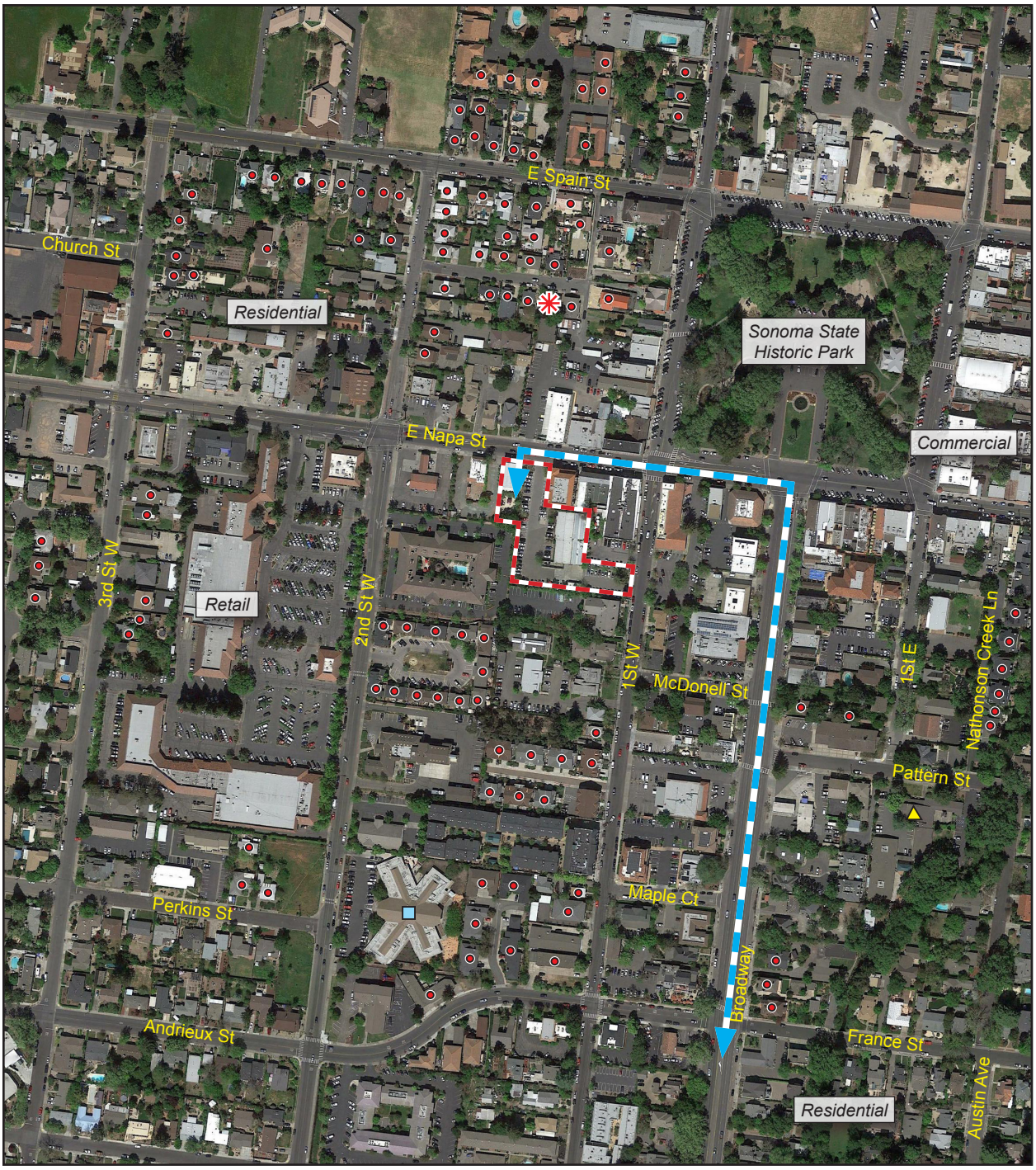
Figure 1 - Project Location and ISCST3 Model Configuration



Source: ESRI, 2015

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3. Methodology and Significance Thresholds

The purpose of the construction HRA is to evaluate the potential health impacts from diesel particulate matter (DPM) and particulate matter less than 2.5 microns ($PM_{2.5}$) emitted during construction activities associated with the proposed project. Construction sources evaluated in this HRA include off-road construction equipment, such as tractors/loaders/backhoes, concrete/industrial saws, forklifts, rubber tired dozers, excavators, pavers, rollers, and water trucks.

The BAAQMD's 2010 adopted "Thresholds of Significance" for local community risk impacts were challenged in a lawsuit and subsequently rescinded. However, lead agencies can determine that these are appropriate air quality thresholds for projects they review. The 2010 BAAQMD thresholds that were used for this project are shown below:

- Non-compliance with a qualified risk reduction plan
- Excess cancer risk of more than 10 in a million
- Non-cancer hazard index (chronic or acute) greater than 1.0
- Incremental increase in average annual $PM_{2.5}$ concentration of greater than 0.3 $\mu g/m^3$

Since both the City and County of Sonoma do not currently have qualified risk reduction plans, a site-specific analysis of DPM and $PM_{2.5}$ impacts on sensitive receptors was conducted.

The methodology used in this HRA is consistent with the following BAAQMD and the Office of Environmental Health Hazard Assessment (OEHHA) guidance documents:

- BAAQMD, 2012. *California Environmental Quality Act Air Quality Guidelines*. May 2012.
- BAAQMD, 2010. *Screening Tables for Air Toxics Evaluation During Construction.* May 2010.
- BAAQMD, 2012. *Recommended Methods for Screening and Modeling Local Risks and Hazards*. Version 3.0. May 2012.
- OEHHA, 2012. *Air Toxics Hot Spots Program Risk Assessment Guidelines*. Revised Technical Support Document for Exposure Assessment and Stochastic Analysis. August, 2012.
- OEHHA. 2015. *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments.* February, 2015.

Potential exposures to DPM and $PM_{2.5}$ from proposed project construction activities were evaluated for off-site sensitive receptors in close proximity to the site. Using air dispersion models, receptor concentrations were estimated and excess lifetime cancer risks and chronic non-cancer hazard indexes were calculated. These risks were then compared to the significance thresholds identified in the BAAQMD CEQA guidelines.

3. Methodology and Significance Thresholds

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4. Construction Emissions

Construction emissions were calculated as average daily emissions in pounds per day, using the proposed construction schedule and the latest version of California Emissions Estimation Model, known as CalEEMod Version 2013.2.2 (CAPCOA, 2013).

The project was assumed to take place over 547 calendar days (391 work days) from July 2016 through end of December2017. The average daily emission rates from construction equipment used during the proposed project were determined by dividing the annual average emissions for each construction year by the number of construction days per year for each calendar year of construction (i.e., 2016 and 2017). In addition, emissions from haul trucks traveling to and from the site within a 1,000-foot radius were included as offsite emissions. The modeled average daily emission rates for the construction scenario are summarized in Table 1. The CalEEMod construction emissions output and emission rate calculations are provided in Appendix A.

Table 1 Construction Activity – Average Daily Emission Rates

Parameter – Year	Onsite Emissions (lbs/day)	Total Offsite Emissions (lbs/day)
DPM – 2016	1.17	0.05
$PM_{2.5}$ - 2016	1.24	0.19
DPM – 2017	1.28	0.03
$PM_{2.5}$ - 2017	1.24	0.21

Presented emission rates are average daily emissions.
Source: CalEEMod 2013.2.2.

4. Construction Emissions

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5. Dispersion Modeling

To assess the impact of emitted compounds on sensitive receptors near the project, air quality modeling using the ISCST3 atmospheric dispersion model was performed. The model is a steady state Gaussian plume model and is an approved model by BAAQMD for estimating ground level impacts from point and fugitive sources in simple and complex terrain. The on-site construction emissions for the project were modeled as poly-area sources. Off-site construction emissions for project related truck traffic were modeled as adjacent volume sources.

The model requires additional input parameters, including chemical emission data and local meteorology. Inputs for the construction phase emission rates are those described in Section 4. Meteorological data obtained from the BAAQMD for the nearest met station (Sonoma Baylds) and the three latest available years of record (2003-2005) were used to represent local weather conditions and prevailing winds. The prevailing wind direction at the project site is to the east and east-southeast; therefore, the residential receptors to the southeast are downwind from the construction emissions. The wind rose for the Sonoma Baylds meteorological station is provided in Appendix B.

DPM emissions were based on the CalEEMod construction runs, using annual exhaust PM_{10} construction emissions presented in lbs/day. The $PM_{2.5}$ emissions were taken from the CalEEMod output for $PM_{2.5}$ total, which includes exhaust $PM_{2.5}$ as well as fugitive dust $PM_{2.5}$. Off-site construction emissions from haul trucks were also obtained from the CalEEMod construction runs, proportioning the emissions from the one-way haul trip length of 5 miles to take into account the 0.36-mile distance within 1,000 feet of the project site. An emission release height of 4.15 meters was used as representative of the stack exhaust height for off-road construction equipment and off-site haul trucks and an initial vertical dispersion parameter of 1.93 m was used, per CARB guidance (2000). The lateral dispersion parameter for the truck volume sources for the assumed truck route along Broadway was determined by dividing the width of the traveled roadway by 2.15.

The modeling analysis also considered the spatial distribution and elevation of each emitting source in relation to the sensitive receptors. To accommodate the model's Cartesian grid format, direction-dependent calculations were obtained by identifying the Universal Transverse Mercator (UTM) coordinates for each source location.

To determine contaminant impacts during construction hours, the model's scalar option was invoked to predict flagpole-level concentrations (1.5 m for ground-floor receptors) for emissions generated between the hours of 7:00 AM and 4:00 PM, with a one-hour break for lunch between 11:00 AM and noon. In addition, a scalar factor was applied to the risk calculations to account for the number of days of construction activity per year.

For all modeling runs, a unit emission rate of 1 gm/sec was used. The unit emission rates were proportioned among either the volume sources for truck traffic, or proportioned over the poly-area sources for on-site

5. Dispersion Modeling

construction emissions. The maximum ISCST3 concentrations from the output files were then multiplied by the emission rates calculated in Appendix A to obtain the maximum flagpole-level concentrations at the maximum exposed receptor (MER) near the project site. The flagpole-level DPM and $PM_{2.5}$ concentrations from the on-site and off-site sources used in the risk calculation spreadsheets are provided in Table C1 of Appendix C. The ISCST3 model output for the emission sources is presented in Appendix B. The configuration of the sources and the receptor locations are presented in Figure 1.

6. Risk Characterizations

6.1 CARCINOGENIC CHEMICAL RISK

The BAAQMD has established a threshold of ten in a million (10E–06) as a level posing no significant risk for exposures to carcinogens.

Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. The cancer risk probability is determined by multiplying the chemical's annual concentration by its cancer potency factor (CPF), a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It is an upper-limit estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu g/m^3$) over a lifetime of 70 years.

Cancer risks were calculated using BAAQMD recommended methods for a residential receptor. For the inhalation pathway, contaminant dose is multiplied by the cancer potency factor in units of inverse dose expressed in milligrams per kilogram per day $(mg/kg/day)^{-1}$ to derive the cancer risk estimate. To calculate the contaminant dose, the following equation was used:

$$Dose_{AIR} = (C_{air} \times EF \times ED \times [BR/BW] \times A \times CF) / AT$$

Where:

$Dose_{AIR}$	=	dose by inhalation (mg/kg/day)
C_{air}	=	concentration of contaminant in air ($\mu g/m^3$)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years – construction period)
BR/BW	=	daily breathing rate normalized to body weight (L/kg-day)
A	=	inhalation absorption factor (default = 1)
CF	=	conversion factor ($1x10^{-6}$, μg to mg, L to m^3)
AT	=	averaging time (days)

The inhalation absorption factor (A) is a unitless factor that is only used if the cancer potency factor included a correction for absorption across the lung. For this assessment, the default value of 1 was used. The exposure frequency (EF) of 0.96 is used to represent 350 days per year to allow for a two week period away from home each year (OEHHA, 2015). The 95th percentile daily breathing rates (BR/BW), exposure duration (ED), age sensitivity factors (ASFs), and fraction of time at home (FAH) for the various age groups are provided herein:

6. Risk Characterizations

Age Groups	BR/BW (L/kg-day)	ED (2016/2017)	ASF	FAH
Third trimester	361	0.25/na	10	0.85
0-2 age group	1,090	0.25/0.99	10	0.85
2-9 age group	861	0.50/0.99	3	0.72
16-70 age group	290	0.50/0.99	1	0.73

To calculate the overall cancer risk, the risk for each appropriate age group is calculated per the following equation:

$$\text{Cancer Risk}_{\text{AIR}} = \text{Dose}_{\text{AIR}} \times \text{CPF} \times \text{ASF} \times \text{FAH} \times \frac{\text{ED}}{AT}$$

Where:

Dose_{AIR} = dose by inhalation (mg/kg-day), per age group
CPF = cancer potency factor, chemical-specific $(\text{mg/kg-day})^{-1}$
ASF = age sensitivity factor, per age group
FAH = fraction of time at home, per age group
ED = exposure duration (years)
AT = averaging time period over which exposure duration is averaged (always 70 years)

The CPFs used in the assessment were obtained from OEHHA guidance. For DPM, a CPF of 1.1 mg/kg-day^{-1} was used. Additionally, for purposes of this assessment, an FAH factor of 1 was applied for the receptors at the nursing care facility and school daycare.

The excess lifetime cancer risks during the construction period to the maximally exposed resident, in addition to the students at the nearby Sunshine School daycare and patients at the Golden Living Centers – London House Sonoma, were calculated based on the factors provided above. The cancer risks for each age group are summed to estimate the total cancer risk for each toxic chemical species. For purposes of this assessment, the calculated residential cancer risks associated with construction activities are based on the 3rd trimester and 0 to 2 year old age groups. The calculated cancer risks for the nursing home and daycare facilities are based on the 16 to 70 year old and 2 to 9 year old age groups, respectively. The final step converts the cancer risk in scientific notation to a whole number that expresses the cancer risk in "chances per million" by multiplying the cancer risk by a factor of $1x10^6$ (i.e. 1 million). The calculated results are provided in Appendix C.

6.2 NON-CARCINOGENIC HAZARDS

An evaluation of the potential non-cancer effects of chronic chemical exposures was also conducted. Adverse health effects are evaluated by comparing the annual receptor level (flagpole) concentration of each chemical compound with the appropriate reference exposure limit (REL). Available RELs promulgated by OEHHA were considered in the assessment.

To quantify non-carcinogenic impacts, the hazard index approach was used. The hazard index assumes that chronic sub-threshold exposures adversely affect a specific organ or organ system (toxicological endpoint).

For each discrete chemical exposure, target organs presented in regulatory guidance were used. To calculate the hazard index, each chemical concentration or dose is divided by the appropriate toxicity value. For compounds affecting the same toxicological endpoint, this ratio is summed. Where the total equals or exceeds one, a health hazard is presumed to exist. In a manner consistent with the assessment of carcinogenic exposures, REL/RfC (reference concentration) values were converted to units expressed in mg/kg/day to accommodate the above intake algorithm.

The chronic hazard analysis for DPM is provided in Appendix C. The calculations contain the relevant exposure concentrations and corresponding reference dose values used in the evaluation of non-carcinogenic exposures.

6.3 CRITERIA POLLUTANTS

The BAAQMD has recently incorporated $PM_{2.5}$ into the District's CEQA significance thresholds due to recent studies that show adverse health impacts from exposure to this pollutant. An incremental increase of greater than 0.3 $\mu g/m^3$ for the annual average $PM_{2.5}$ concentration is considered to be a significant impact. The modeling results for $PM_{2.5}$ are summarized in Table 2; the model runs are provided in Appendix B.

6. Risk Characterizations

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7. Conclusions

The residential health risk values are based on the maximum modeled receptor concentration over the construction exposure period, conservatively assuming a 24-hour per day outdoor exposure and averaged over a 70-year lifetime. According to the modeling results and as shown in Figure 1, the MER is the single family residence north of the project site along the south side of Church Street near its terminus. Results of the health risk assessment shown in Table 2 indicate that the maximum incremental cancer risk during the construction phase of the project at the MER is 17 per million (17E-06), which exceeds the significance threshold of 10 per million. The calculated cancer risks for the daycare and the nursing care facility is 1.4 per million (1.4E-06) and less than 1 per million (3E-08), respectively, and do not exceed the 10 per million significance threshold.

For non-carcinogenic effects, the hazard index identified for each toxicological endpoint totaled less than one for the MER, nursing care facility, and daycare. Therefore, chronic non-carcinogenic hazards are within acceptable limits. In addition, the highest $PM_{2.5}$ annual concentrations at each receptor location are less than the BAAQMD significance threshold of 0.3 $\mu g/m^3$.

Table 2 Health Risk Assessment Results

Receptor	Cancer Risk (per million)	Chronic Hazard Index	$PM_{2.5}$ ($\mu g/m^3$)[1]
Resident (Maximum Exposed Receptor)	17	0.04	0.10
Golden Living Centers – London House Sonoma	0.03	0.002	0.004
Sunnyside School Daycare	1.4	0.01	0.03
BAAQMD Threshold	10	1.0	0.3
Exceeds Threshold	Yes	No	No

Sources: Lakes AERMOD View, 8.9, 2014.
Note:
[1] From year 2016 which represents the highest maximum annual $PM_{2.5}$ concentration.

As the calculated cancer risk at the MER exceeds the 10 per million significance threshold, the following mitigation measure is recommended to minimize risk impacts:

> During construction, the construction contractor shall use construction equipment fitted with Level 3 Diesel Particulate Filters (DPF) for equipment of 50 horsepower or more. The construction contractor shall maintain a list of all operating equipment in use on the project site for verification by the City of Sonoma Building Department official or their designee. The construction equipment list shall state the makes, models, and number of construction equipment onsite. Equipment shall properly service and maintain construction equipment in accordance with the manufacturer's recommendations. The construction contractor shall also ensure that all nonessential idling of construction equipment is

7. Conclusions

restricted to five minutes or less in compliance with CARB Rule 2449. Prior to issuance of any construction permit, the construction contractor shall ensure that all construction plans submitted to the City of Sonoma Planning Department and/or Building Department clearly show the requirement for Level 3 DPF for construction equipment over 50 horsepower.

Tables 3 and 4 show the average daily emission rates and calculated cancer risk at the MER, respectively, with incorporation the mitigation measure.

Table 3 Construction Activity – Average Daily Emission Rates With Mitigation

Parameter – Year	Onsite Emissions (lbs/day)[1]	Total Offsite Emissions (lbs/day)[1]
DPM – 2016	0.42	0.05
$PM_{2.5}$ - 2016	0.53	0.18
DPM – 2017	0.52	0.03
$PM_{2.5}$ - 2017	0.51	0.20

Presented emission rates are average daily emissions.
Source: CalEEMod 2013.2.2.
[1] Accounts for emissions reductions from implementation of mitigation which requires use of Level 3 DPF for construction equipment with a horsepower rating of 50 horsepower or higher.

Table 4 Health Risk Assessment Results – With Mitigation

Receptor	Cancer Risk (per million)	Chronic Hazard Index	$PM_{2.5}$ ($\mu g/m^3$)[1]
Resident (Maximum Exposed Individual)	6.8	0.014	0.04
BAAQMD Threshold	10	1.0	0.3
Exceeds Threshold	No	No	No

Sources: Lakes AERMOD View, 8.9, 2015.
Note:
[1] From year 2016 which represents the highest maximum annual $PM_{2.5}$ concentration.

As shown in Table 4, incorporation of mitigation would reduce cancer risk at the MER to 6.8 per million (6.8E-06) and below the 10 per million significance threshold. Overall, the results of this construction health risk assessment indicate that the project would have a less than significant impact with respect to chronic non-carcinogenic hazard impacts and $PM_{2.5}$ emissions for the surrounding sensitive receptors during the 1.5-year construction period. Additionally, with incorporation of mitigation, excess cancer risk impacts would also be less than significant to the nearby sensitive receptors.

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8. References

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Appendix A. Emission Rate Calculations

Appendix

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Construction Emissions - DPM and PM2.5
Input to ISCST3 Model

Onsite Construction Emissions		DPM [1]	$PM_{2.5}$ [2]
2016 Onsite Emissions	Average Daily Emissions (lbs/day)	1.17	1.24
	Average Daily Emissions (lbs/hr)	1.47E-01	1.55E-01
	Emission Rate (g/s)	1.85E-02	1.96E-02
	Modeled Area (acres)	1.30	1.30
	Modeled Area (m^2)	5,268	5,268
	Emission Rate per Area ($g/s/m^2$)	**3.51E-06**	**3.72E-06**
2017 Onsite Emissions	Average Daily Emissions (lbs/day)	1.28	1.24
	Average Daily Emissions (lbs/hr)	1.60E-01	1.54E-01
	Emission Rate (g/s)	2.02E-02	1.95E-02
	Modeled Area (acres)	1.30	1.30
	Modeled Area (m^2)	5,268	5,268
	Emission Rate per Area ($g/s/m^2$)	**3.83E-06**	**3.69E-06**

Note: Emissions assumed to be evenly distributed over entire construction phase area.

Offsite Construction Emissions		DPM [1]	$PM_{2.5}$ [2]
2016 Offsite Emissions	Haul Length Daily Emissions (lbs/day)	0.05	0.19
	Hauling Emissions w/in 1,000 ft (lbs/day) [3]	3.14E-03	1.27E-02
	Emission Rate (lbs/hr)	3.92E-04	1.59E-03
	Emission Rate (g/s)	4.94E-05	2.00E-04
	Number of Sources	25	25
	Emission Rate per Source (g/s/source)	**1.98E-06**	**8.01E-06**
2017 Offsite Emissions	Haul Length Daily Emissions (lbs/day)	0.03	0.21
	Hauling Emissions w/in 1,000 ft (lbs/day) [3]	2.19E-03	1.40E-02
	Emission Rate (lbs/hr)	2.74E-04	1.75E-03
	Emission Rate (g/s)	3.45E-05	2.20E-04
	Number of Sources in ISCST3 Model	25	25
	Emission Rate per Source (g/s/source)	**1.38E-06**	**8.81E-06**

Note: Emissions evenly distributed over 25 modeled volume sources.

	2016	2017
Hours per work day (7:00 AM to 3:00 PM) [4]	8	8
Total calendar days per year	184	363
Residential Risk Scalar [5]	0.50	0.99

	Building Demolition	Asphalt Demolition	Grading
Haul Length (miles)	21	5	5
Number of Haul Trips	45	32	2,485

Proportioned Hauling Length (miles)	**5**
Haul Length within 1,000 ft of Site (mile)	**0.36**

[1] DPM emissions taken as PM_{10} exhaust emissions from CalEEMod average daily emissions.

[2] $PM_{2.5}$ emissions taken as total $PM_{2.5}$ (exhaust and fugitive dust) emissions from CalEEMod average daily emissions.

[3] Emissions from CalEEMod offsite average daily emissions, which is based on haul truck trip distance of 5 miles proportioned to evaluate emissions from the **0.36-**mile route within 1,000 of the project site.

[4] Work hours applied in Season-Hour-Day of the Week (SHRDOW) variable emissions module in ISCST3 model (see App B - ISCST3 Output Files).

[5] Residential risk scalars determined for each year of construction to adjust receptor exposures to the exposure durations for each construction year (see App C - Risk Calculations).

Mitigated Construction Emissions - DPM and PM2.5
Diesel Particulate Filters Level 3 (for equipment > 50 HP)
Input to ISCST3 Model

Onsite Construction Emissions - Mitigated		DPM [1]	$PM_{2.5}$ [2]
2016 Onsite Emissions	Average Daily Emissions (lbs/day)	0.42	0.53
	Average Daily Emissions (lbs/hr)	5.22E-02	6.66E-02
	Emission Rate (g/s)	6.57E-03	8.39E-03
	Modeled Area (acres)	1.30	1.30
	Modeled Area (m^2)	5,268	5,268
	Emission Rate per Area ($g/s/m^2$)	**1.25E-06**	**1.59E-06**
2017 Onsite Emissions	Average Daily Emissions (lbs/day)	0.52	0.51
	Average Daily Emissions (lbs/hr)	6.49E-02	6.40E-02
	Emission Rate (g/s)	8.18E-03	8.06E-03
	Modeled Area (acres)	1.30	1.30
	Modeled Area (m^2)	5,268	5,268
	Emission Rate per Area ($g/s/m^2$)	**1.55E-06**	**1.53E-06**

Note: Emissions assumed to be evenly distributed over entire construction phase area.

Offsite Construction Emissions - Mitigated		DPM [1]	$PM_{2.5}$ [2]
2016 Offsite Emissions	Haul Length Daily Emissions (lbs/day)	0.05	0.18
	Hauling Emissions w/in 1,000 ft (lbs/day) [3]	3.13E-03	1.21E-02
	Emission Rate (lbs/hr)	3.92E-04	1.51E-03
	Emission Rate (g/s)	4.94E-05	1.90E-04
	Number of Sources	25	25
	Emission Rate per Source (g/s/source)	**1.97E-06**	**7.59E-06**
2017 Offsite Emissions	Haul Length Daily Emissions (lbs/day)	0.03	0.20
	Hauling Emissions w/in 1,000 ft (lbs/day) [3]	2.19E-03	1.32E-02
	Emission Rate (lbs/hr)	2.74E-04	1.65E-03
	Emission Rate (g/s)	3.45E-05	2.07E-04
	Number of Sources in ISCST3 Model	25	25
	Emission Rate per Source (g/s/source)	**1.38E-06**	**8.30E-06**

Note: Emissions evenly distributed over 25 modeled volume sources.

	2016	2017
Hours per work day (7:00 AM to 3:00 PM) [4]	8	8
Total calendar days per year	184	363
Residential Risk Scalar [5]	0.50	0.99

	Demolition	Grading
Haul Length (miles)	21	5
Number of Haul Trips	45	2485

Proportioned Hauling Length (miles)	**5**
Haul Length within 1,000 ft of Site (mile)	**0.36**

[1] DPM emissions taken as PM_{10} exhaust emissions from CalEEMod average daily emissions.

[2] $PM_{2.5}$ emissions taken as total $PM_{2.5}$ (exhaust and fugitive dust) emissions from CalEEMod average daily emissions.

[3] Emissions from CalEEMod offsite average daily emissions, which is based on haul truck trip distance of 5 miles proportioned to evaluate emissions from the **0.36**-mile route within 1,000 of the project site.

[4] Work hours applied in Season-Hour-Day of the Week (SHRDOW) variable emissions module in ISCST3 model (see App B - ISCST3 Output Files).

[5] Residential risk scalars determined for each year of construction to adjust receptor exposures to the exposure durations for each construction year (see App C - Risk Calculations).

Criteria Air Pollutant Emissions Summary - Construction

with Best Control Measures for Fugitive Dust

Annual emissions divided by total construction duration to obtain average daily emissions. Average construction emissions accounts for the duration of each construction phase and the time each piece of construction equipment is onsite.

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Total	avg lbs/day	4.44	22.14	21.66	0.03	0.71	1.28	1.99	0.21	1.23	1.4

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Total Onsite	avg lbs/day	3.90	19.44	14.31	0.02	0.09	1.24	1.34	0.04	1.20	1.24
Total Offsite	avg lbs/day	0.54	2.70	7.35	0.01	0.62	0.04	0.66	0.17	0.03	0.20

Annual Average Emissions

	Days	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2016 Total	131	3.33	22.09	22.44	0.03	0.82	1.22	2.04	0.27	1.16	1.43
2017 Total	260	5.00	22.16	21.26	0.03	0.66	1.31	1.97	0.18	1.26	1.44
Total Days	391										

FOR CONSTRUCTION HRA

Onsite Mit Details

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2016 Onsite	avg lbs/day	2.65	18.50	12.95	0.02	0.28	1.17	1.45	0.12	1.12	1.24
2017 Onsite	avg lbs/day	4.54	19.91	14.99	0.02	0.00	1.28	1.28	0.00	1.24	1.24

Offsite Mit Details

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2016 Offsite	avg lbs/day	0.68	3.59	9.49	0.01	0.54	0.05	0.59	0.15	0.04	0.19
2017 Offsite	avg lbs/day	0.47	2.26	6.27	0.01	0.66	0.03	0.69	0.18	0.03	0.21

Criteria Air Pollutant Emissions Summary - Construction with Mitigation

with Best Control Measures for Fugitive Dust

Annual emissions divided by total construction duration to obtain average daily emissions. Average construction emissions accounts for the duration of each construction phase and the time each piece of construction equipment is onsite.

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Total	avg lbs/day	4.44	22.14	21.66	0.03	0.67	0.52	1.19	0.20	0.51	0.71

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Total Onsite	avg lbs/day	3.90	19.44	14.31	0.02	0.09	0.49	0.58	0.04	0.48	0.52
Total Offsite	avg lbs/day	0.54	2.70	7.35	0.01	0.57	0.04	0.61	0.16	0.03	0.19

Annual Average Emissions

	Days	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2016 Total	131	3.33	22.09	22.44	0.03	0.78	0.46	1.24	0.26	0.45	0.71
2017 Total	260	5.00	22.16	21.26	0.03	0.61	0.55	1.16	0.17	0.54	0.71
Total Days	391										

FOR CONSTRUCTION HRA

Onsite Mit Details

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2016 Onsite	avg lbs/day	2.65	18.50	12.95	0.02	0.28	0.42	0.70	0.12	0.41	0.53
2017 Onsite	avg lbs/day	4.54	19.91	14.99	0.02	0.00	0.52	0.52	0.00	0.51	0.51

Offsite Mit Details

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2016 Offsite	avg lbs/day	0.68	3.59	9.49	0.01	0.50	0.05	0.55	0.14	0.04	0.18
2017 Offsite	avg lbs/day	0.47	2.26	6.27	0.01	0.61	0.03	0.64	0.17	0.03	0.20

Hotel Project Sonoma

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	37.66	1000sqft	0.00	37,655.00	0
Other Non-Asphalt Surfaces	22.48	1000sqft	0.52	22,483.00	0
Parking Lot	4.48	1000sqft	0.10	4,479.00	0
Hotel	62.00	Room	0.62	67,478.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2017
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Description - see assumptions

Construction Phase - Applicant provided schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Equipment provided by the Applicant

Off-road Equipment - Haul = no equipment

Off-road Equipment - Equipment provided by the Applicant

Off-road Equipment - Applicant provided construction equipment

Off-road Equipment - Haul = no construction

Off-road Equipment - Assumes use of 1 skid steer loader during finishing and landscaping activities.

Off-road Equipment - Applicant provided construction equipment

Off-road Equipment - Applicant provided construction equipment

Off-road Equipment -

Off-road Equipment - Haul = no equipment

Off-road Equipment - Applicant provided construction equipment

Trips and VMT - Trips based on size of the haul trucks. Water Trucks added as vendor trips. Haul length provided by Applicant.

Demolition -

Grading -

Architectural Coating - Modified = parking structure not painted. Reduced painting area provided by the Applicant/Architect

Vehicle Trips - trip rates provided by WTrans

Area Coating -

Energy Use - Hotel energy use is based on calculations provided by the Applicant and includes reductions from the most recent T24.

Water And Wastewater - Water Demand from the Basis of Design Report. 100% treated wastewater

Construction Off-road Equipment Mitigation - BAAQMD Best Management Practices

Energy Mitigation - 2013 Title 24 is 30% high for non-residential (included in base calcs not mitigated scenario). Includes Renewable Energy but unknown kwh generated

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	63,875.00	6,748.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	191,626.00	73,111.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstructionPhase	NumDays	10.00	44.00

tblConstructionPhase	NumDays	200.00	32.00
tblConstructionPhase	NumDays	200.00	347.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	4.00	5.00
tblConstructionPhase	NumDays	4.00	5.00
tblConstructionPhase	NumDays	4.00	45.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	NumDays	2.00	12.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	PhaseEndDate	3/21/2017	10/26/2017
tblConstructionPhase	PhaseEndDate	12/13/2017	12/26/2017
tblConstructionPhase	PhaseEndDate	1/29/2018	12/29/2017
tblConstructionPhase	PhaseEndDate	8/5/2016	7/7/2016
tblConstructionPhase	PhaseEndDate	7/11/2016	7/25/2016
tblConstructionPhase	PhaseEndDate	11/2/2017	10/20/2017
tblConstructionPhase	PhaseEndDate	10/27/2017	10/20/2017
tblConstructionPhase	PhaseEndDate	10/27/2016	9/29/2016
tblConstructionPhase	PhaseEndDate	10/31/2017	10/30/2017
tblConstructionPhase	PhaseEndDate	8/10/2016	8/15/2016
tblConstructionPhase	PhaseEndDate	9/12/2016	8/25/2016
tblConstructionPhase	PhaseEndDate	1/31/2018	1/18/2017
tblConstructionPhase	PhaseStartDate	1/19/2017	8/28/2017
tblConstructionPhase	PhaseStartDate	10/31/2017	11/12/2017
tblConstructionPhase	PhaseStartDate	9/30/2016	9/1/2016
tblConstructionPhase	PhaseStartDate	7/30/2016	7/1/2016

tblConstructionPhase	PhaseStartDate	7/8/2016	7/22/2016
tblConstructionPhase	PhaseStartDate	10/27/2017	10/15/2017
tblConstructionPhase	PhaseStartDate	10/21/2017	10/15/2017
tblConstructionPhase	PhaseStartDate	8/26/2016	7/29/2016
tblConstructionPhase	PhaseStartDate	10/21/2017	10/20/2017
tblConstructionPhase	PhaseStartDate	7/26/2016	7/29/2016
tblConstructionPhase	PhaseStartDate	8/16/2016	7/29/2016
tblConstructionPhase	PhaseStartDate	12/30/2017	12/18/2016
tblEnergyUse	LightingElect	2.72	6.17
tblEnergyUse	NT24E	3.22	5.83
tblEnergyUse	T24E	2.50	6.18
tblEnergyUse	T24NG	41.63	29.10
tblGrading	MaterialExported	0.00	16,000.00
tblGrading	MaterialImported	0.00	148.00
tblLandUse	LandUseSquareFeet	37,660.00	37,655.00
tblLandUse	LandUseSquareFeet	22,480.00	22,483.00
tblLandUse	LandUseSquareFeet	4,480.00	4,479.00
tblLandUse	LandUseSquareFeet	90,024.00	67,478.00
tblLandUse	LotAcreage	0.86	0.00
tblLandUse	LotAcreage	2.07	0.62
tblOffRoadEquipment	HorsePower	125.00	121.00
tblOffRoadEquipment	HorsePower	80.00	33.00
tblOffRoadEquipment	HorsePower	162.00	132.00
tblOffRoadEquipment	HorsePower	162.00	132.00
tblOffRoadEquipment	HorsePower	162.00	55.00
tblOffRoadEquipment	HorsePower	199.00	154.00
tblOffRoadEquipment	HorsePower	199.00	154.00

tblOffRoadEquipment	HorsePower	97.00	70.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	21.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripNumber	19.00	23.00
tblTripsAndVMT	HaulingTripNumber	44.00	45.00
tblTripsAndVMT	HaulingTripNumber	20.00	32.00
tblTripsAndVMT	HaulingTripNumber	2,000.00	2,462.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	22.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	55.00	0.00
tblVehicleTrips	SU_TR	5.95	8.19
tblWater	IndoorWaterUseRate	1,572,739.74	5,400,000.00
tblWater	OutdoorWaterUseRate	174,748.86	66,000.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.2181	1.4470	1.4698	2.0000e-003	0.0780	0.0799	0.1579	0.0285	0.0762	0.1046	0.0000	171.8549	171.8549	0.0267	0.0000	172.4150
2017	0.6504	2.8814	2.7637	4.4700e-003	0.0855	0.1707	0.2562	0.0231	0.1644	0.1876	0.0000	370.7615	370.7615	0.0565	0.0000	371.9477
Total	**0.8685**	**4.3284**	**4.2335**	**6.4700e-003**	**0.1635**	**0.2506**	**0.4140**	**0.0516**	**0.2406**	**0.2922**	**0.0000**	**542.6164**	**542.6164**	**0.0832**	**0.0000**	**544.3627**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.2181	1.4470	1.4698	2.0000e-003	0.0535	0.0799	0.1334	0.0177	0.0762	0.0938	0.0000	171.8548	171.8548	0.0267	0.0000	172.4148
2017	0.6504	2.8814	2.7637	4.4700e-003	0.0855	0.1707	0.2562	0.0231	0.1644	0.1876	0.0000	370.7612	370.7612	0.0565	0.0000	371.9474
Total	**0.8685**	**4.3284**	**4.2335**	**6.4700e-003**	**0.1390**	**0.2506**	**0.3896**	**0.0408**	**0.2406**	**0.2814**	**0.0000**	**542.6160**	**542.6160**	**0.0832**	**0.0000**	**544.3622**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**14.96**	**0.00**	**5.91**	**20.98**	**0.00**	**3.71**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition_Buildings	Demolition	7/1/2016	7/29/2016	5	21	
2	Demolition_BuildingHaul	Demolition	7/1/2016	7/7/2016	5	5	
3	Demolition_AsphaltHaul	Demolition	7/22/2016	7/25/2016	5	2	
4	Site Preparation	Site Preparation	7/29/2016	8/15/2016	5	12	
5	Site Preparation Haul	Site Preparation	7/29/2016	8/25/2016	5	20	
6	Rough Grading	Grading	7/29/2016	9/29/2016	5	45	
7	Building Construction	Building Construction	9/1/2016	12/29/2017	5	347	
8	Trenching	Trenching	12/18/2016	1/18/2017	5	23	
9	Architectural Coating	Architectural Coating	8/28/2017	10/26/2017	5	44	
10	Fine Grading	Grading	10/15/2017	10/20/2017	5	5	
11	Fine Grading Haul	Grading	10/15/2017	10/20/2017	5	5	
12	Paving	Paving	10/20/2017	10/30/2017	5	7	
13	Finishing and Landscaping	Building Construction	11/12/2017	12/26/2017	5	32	

Acres of Grading (Site Preparation Phase): 6

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 73,111; Non-Residential Outdoor: 6,748 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition_Buildings	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition_Buildings	Excavators	1	8.00	132	0.38
Demolition_Buildings	Rubber Tired Dozers	0	8.00	255	0.40
Demolition_Buildings	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition_BuildingHaul	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition_BuildingHaul	Rubber Tired Dozers	0	8.00	255	0.40
Demolition_BuildingHaul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition_AsphaltHaul	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition_AsphaltHaul	Excavators	1	8.00	132	0.38
Demolition_AsphaltHaul	Rubber Tired Dozers	0	8.00	255	0.40
Demolition_AsphaltHaul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Haul	Graders	0	8.00	174	0.41
Site Preparation Haul	Rubber Tired Dozers	0	7.00	255	0.40
Site Preparation Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Rough Grading	Graders	0	6.00	174	0.41
Rough Grading	Rubber Tired Dozers	0	6.00	255	0.40
Rough Grading	Rubber Tired Loaders	1	7.10	154	0.36
Rough Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Building Construction	Welders	3	8.00	46	0.45
Trenching	Excavators	1	4.00	55	0.38
Trenching	Tractors/Loaders/Backhoes	1	4.00	70	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Fine Grading	Graders	0	6.00	174	0.41
Fine Grading	Rubber Tired Dozers	0	6.00	255	0.40
Fine Grading	Rubber Tired Loaders	1	8.00	154	0.36
Fine Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Fine Grading Haul	Graders	0	6.00	174	0.41
Fine Grading Haul	Rubber Tired Dozers	0	6.00	255	0.40
Fine Grading Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	4.00	121	0.42
Paving	Paving Equipment	0	8.00	130	0.36
Paving	Rollers	1	4.00	33	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Finishing and Landscaping	Cranes	0	6.00	226	0.29
Finishing and Landscaping	Forklifts	0	6.00	89	0.20
Finishing and Landscaping	Generator Sets	0	8.00	84	0.74
Finishing and Landscaping	Skid Steer Loaders	1	8.00	64	0.37
Finishing and Landscaping	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Finishing and Landscaping	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition_Buildings	1	3.00	4.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition_BuildingHaul	0	0.00	0.00	45.00	12.40	7.30	21.00	LD_Mix	HDT_Mix	HHDT
Demolition_AsphaltHaul	1	3.00	0.00	32.00	12.40	7.30	5.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	4.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Haul	0	0.00	0.00	2,462.00	12.40	7.30	5.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	55.00	22.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	1	3.00	4.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading Haul	0	0.00	0.00	23.00	12.40	7.30	5.00	LD_Mix	HDT_Mix	HHDT
Paving	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	0.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition_Buildings - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3200e-003	0.0379	0.0293	5.0000e-005		1.8700e-003	1.8700e-003		1.7200e-003	1.7200e-003	0.0000	4.2682	4.2682	1.2900e-003	0.0000	4.2952
Total	**3.3200e-003**	**0.0379**	**0.0293**	**5.0000e-005**		**1.8700e-003**	**1.8700e-003**		**1.7200e-003**	**1.7200e-003**	**0.0000**	**4.2682**	**4.2682**	**1.2900e-003**	**0.0000**	**4.2952**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.6000e-004	4.1400e-003	7.0100e-003	1.0000e-005	2.7000e-004	6.0000e-005	3.3000e-004	8.0000e-005	6.0000e-005	1.3000e-004	0.0000	0.8963	0.8963	1.0000e-005	0.0000	0.8965
Worker	1.3000e-004	1.8000e-004	1.8100e-003	0.0000	2.8000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2577	0.2577	1.0000e-005	0.0000	0.2580
Total	**6.9000e-004**	**4.3200e-003**	**8.8200e-003**	**1.0000e-005**	**5.5000e-004**	**6.0000e-005**	**6.2000e-004**	**1.6000e-004**	**6.0000e-005**	**2.1000e-004**	**0.0000**	**1.1540**	**1.1540**	**2.0000e-005**	**0.0000**	**1.1545**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3200e-003	0.0379	0.0293	5.0000e-005		1.8700e-003	1.8700e-003		1.7200e-003	1.7200e-003	0.0000	4.2682	4.2682	1.2900e-003	0.0000	4.2952
Total	**3.3200e-003**	**0.0379**	**0.0293**	**5.0000e-005**		**1.8700e-003**	**1.8700e-003**		**1.7200e-003**	**1.7200e-003**	**0.0000**	**4.2682**	**4.2682**	**1.2900e-003**	**0.0000**	**4.2952**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.6000e-004	4.1400e-003	7.0100e-003	1.0000e-005	2.7000e-004	6.0000e-005	3.3000e-004	8.0000e-005	6.0000e-005	1.3000e-004	0.0000	0.8963	0.8963	1.0000e-005	0.0000	0.8965
Worker	1.3000e-004	1.8000e-004	1.8100e-003	0.0000	2.8000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2577	0.2577	1.0000e-005	0.0000	0.2580
Total	**6.9000e-004**	**4.3200e-003**	**8.8200e-003**	**1.0000e-005**	**5.5000e-004**	**6.0000e-005**	**6.2000e-004**	**1.6000e-004**	**6.0000e-005**	**2.1000e-004**	**0.0000**	**1.1540**	**1.1540**	**2.0000e-005**	**0.0000**	**1.1545**

3.3 Demolition_BuildingHaul - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8100e-003	0.0000	4.8100e-003	7.3000e-004	0.0000	7.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.8100e-003**	**0.0000**	**4.8100e-003**	**7.3000e-004**	**0.0000**	**7.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.6000e-004	6.9600e-003	7.3700e-003	2.0000e-005	3.9000e-004	9.0000e-005	4.8000e-004	1.1000e-004	8.0000e-005	1.9000e-004	0.0000	1.5816	1.5816	1.0000e-005	0.0000	1.5819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.6000e-004**	**6.9600e-003**	**7.3700e-003**	**2.0000e-005**	**3.9000e-004**	**9.0000e-005**	**4.8000e-004**	**1.1000e-004**	**8.0000e-005**	**1.9000e-004**	**0.0000**	**1.5816**	**1.5816**	**1.0000e-005**	**0.0000**	**1.5819**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0600e-003	0.0000	2.0600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.0600e-003**	**0.0000**	**2.0600e-003**	**3.1000e-004**	**0.0000**	**3.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.6000e-004	6.9600e-003	7.3700e-003	2.0000e-005	3.9000e-004	9.0000e-005	4.8000e-004	1.1000e-004	8.0000e-005	1.9000e-004	0.0000	1.5816	1.5816	1.0000e-005	0.0000	1.5819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.6000e-004**	**6.9600e-003**	**7.3700e-003**	**2.0000e-005**	**3.9000e-004**	**9.0000e-005**	**4.8000e-004**	**1.1000e-004**	**8.0000e-005**	**1.9000e-004**	**0.0000**	**1.5816**	**1.5816**	**1.0000e-005**	**0.0000**	**1.5819**

3.4 Demolition_AsphaltHaul - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1900e-003	0.0000	2.1900e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-004	3.6100e-003	2.7900e-003	0.0000		1.8000e-004	1.8000e-004		1.6000e-004	1.6000e-004	0.0000	0.4065	0.4065	1.2000e-004	0.0000	0.4091
Total	**3.2000e-004**	**3.6100e-003**	**2.7900e-003**	**0.0000**	**2.1900e-003**	**1.8000e-004**	**2.3700e-003**	**3.3000e-004**	**1.6000e-004**	**4.9000e-004**	**0.0000**	**0.4065**	**0.4065**	**1.2000e-004**	**0.0000**	**0.4091**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5000e-004	1.4400e-003	3.8000e-003	0.0000	7.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2873	0.2873	0.0000	0.0000	0.2874
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	2.0000e-005	1.7000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0246	0.0246	0.0000	0.0000	0.0246
Total	**2.6000e-004**	**1.4600e-003**	**3.9700e-003**	**0.0000**	**1.0000e-004**	**2.0000e-005**	**1.1000e-004**	**3.0000e-005**	**1.0000e-005**	**4.0000e-005**	**0.0000**	**0.3119**	**0.3119**	**0.0000**	**0.0000**	**0.3119**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.4000e-004	0.0000	9.4000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-004	3.6100e-003	2.7900e-003	0.0000		1.8000e-004	1.8000e-004		1.6000e-004	1.6000e-004	0.0000	0.4065	0.4065	1.2000e-004	0.0000	0.4091
Total	**3.2000e-004**	**3.6100e-003**	**2.7900e-003**	**0.0000**	**9.4000e-004**	**1.8000e-004**	**1.1200e-003**	**1.4000e-004**	**1.6000e-004**	**3.0000e-004**	**0.0000**	**0.4065**	**0.4065**	**1.2000e-004**	**0.0000**	**0.4091**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5000e-004	1.4400e-003	3.8000e-003	0.0000	7.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2873	0.2873	0.0000	0.0000	0.2874
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	2.0000e-005	1.7000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0246	0.0246	0.0000	0.0000	0.0246
Total	**2.6000e-004**	**1.4600e-003**	**3.9700e-003**	**0.0000**	**1.0000e-004**	**2.0000e-005**	**1.1000e-004**	**3.0000e-005**	**1.0000e-005**	**4.0000e-005**	**0.0000**	**0.3119**	**0.3119**	**0.0000**	**0.0000**	**0.3119**

3.5 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0348	0.0000	0.0348	0.0177	0.0000	0.0177	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0147	0.1546	0.0991	1.0000e-004		8.3900e-003	8.3900e-003		7.7200e-003	7.7200e-003	0.0000	9.6947	9.6947	2.9200e-003	0.0000	9.7561
Total	**0.0147**	**0.1546**	**0.0991**	**1.0000e-004**	**0.0348**	**8.3900e-003**	**0.0432**	**0.0177**	**7.7200e-003**	**0.0254**	**0.0000**	**9.6947**	**9.6947**	**2.9200e-003**	**0.0000**	**9.7561**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2000e-004	2.3700e-003	4.0100e-003	1.0000e-005	1.5000e-004	4.0000e-005	1.9000e-004	4.0000e-005	3.0000e-005	8.0000e-005	0.0000	0.5122	0.5122	0.0000	0.0000	0.5123
Worker	2.0000e-004	2.8000e-004	2.7600e-003	1.0000e-005	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3927	0.3927	2.0000e-005	0.0000	0.3932
Total	**5.2000e-004**	**2.6500e-003**	**6.7700e-003**	**2.0000e-005**	**5.8000e-004**	**4.0000e-005**	**6.3000e-004**	**1.6000e-004**	**3.0000e-005**	**2.0000e-004**	**0.0000**	**0.9049**	**0.9049**	**2.0000e-005**	**0.0000**	**0.9055**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0149	0.0000	0.0149	7.5800e-003	0.0000	7.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0147	0.1546	0.0991	1.0000e-004		8.3900e-003	8.3900e-003		7.7200e-003	7.7200e-003	0.0000	9.6946	9.6946	2.9200e-003	0.0000	9.7561
Total	**0.0147**	**0.1546**	**0.0991**	**1.0000e-004**	**0.0149**	**8.3900e-003**	**0.0233**	**7.5800e-003**	**7.7200e-003**	**0.0153**	**0.0000**	**9.6946**	**9.6946**	**2.9200e-003**	**0.0000**	**9.7561**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2000e-004	2.3700e-003	4.0100e-003	1.0000e-005	1.5000e-004	4.0000e-005	1.9000e-004	4.0000e-005	3.0000e-005	8.0000e-005	0.0000	0.5122	0.5122	0.0000	0.0000	0.5123
Worker	2.0000e-004	2.8000e-004	2.7600e-003	1.0000e-005	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3927	0.3927	2.0000e-005	0.0000	0.3932
Total	**5.2000e-004**	**2.6500e-003**	**6.7700e-003**	**2.0000e-005**	**5.8000e-004**	**4.0000e-005**	**6.3000e-004**	**1.6000e-004**	**3.0000e-005**	**2.0000e-004**	**0.0000**	**0.9049**	**0.9049**	**2.0000e-005**	**0.0000**	**0.9055**

3.6 Site Preparation Haul - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0000e-004	0.0000	9.0000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**9.0000e-004**	**0.0000**	**9.0000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0191	0.1107	0.2920	2.5000e-004	5.1500e-003	1.2200e-003	6.3600e-003	1.4200e-003	1.1200e-003	2.5300e-003	0.0000	22.1046	22.1046	2.0000e-004	0.0000	22.1087
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0191**	**0.1107**	**0.2920**	**2.5000e-004**	**5.1500e-003**	**1.2200e-003**	**6.3600e-003**	**1.4200e-003**	**1.1200e-003**	**2.5300e-003**	**0.0000**	**22.1046**	**22.1046**	**2.0000e-004**	**0.0000**	**22.1087**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9000e-004	0.0000	3.9000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**3.9000e-004**	**0.0000**	**3.9000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0191	0.1107	0.2920	2.5000e-004	5.1500e-003	1.2200e-003	6.3600e-003	1.4200e-003	1.1200e-003	2.5300e-003	0.0000	22.1046	22.1046	2.0000e-004	0.0000	22.1087
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0191**	**0.1107**	**0.2920**	**2.5000e-004**	**5.1500e-003**	**1.2200e-003**	**6.3600e-003**	**1.4200e-003**	**1.1200e-003**	**2.5300e-003**	**0.0000**	**22.1046**	**22.1046**	**2.0000e-004**	**0.0000**	**22.1087**

3.7 Rough Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1118	0.0696	9.0000e-005		6.2300e-003	6.2300e-003		5.7400e-003	5.7400e-003	0.0000	8.9474	8.9474	2.7000e-003	0.0000	9.0041
Total	**0.0110**	**0.1118**	**0.0696**	**9.0000e-005**	**0.0000**	**6.2300e-003**	**6.2300e-003**	**0.0000**	**5.7400e-003**	**5.7400e-003**	**0.0000**	**8.9474**	**8.9474**	**2.7000e-003**	**0.0000**	**9.0041**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	4.0000e-004	3.8800e-003	1.0000e-005	6.1000e-004	1.0000e-005	6.1000e-004	1.6000e-004	1.0000e-005	1.7000e-004	0.0000	0.5523	0.5523	3.0000e-005	0.0000	0.5530
Total	**2.9000e-004**	**4.0000e-004**	**3.8800e-003**	**1.0000e-005**	**6.1000e-004**	**1.0000e-005**	**6.1000e-004**	**1.6000e-004**	**1.0000e-005**	**1.7000e-004**	**0.0000**	**0.5523**	**0.5523**	**3.0000e-005**	**0.0000**	**0.5530**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1118	0.0696	9.0000e-005		6.2300e-003	6.2300e-003		5.7400e-003	5.7400e-003	0.0000	8.9474	8.9474	2.7000e-003	0.0000	9.0041
Total	**0.0110**	**0.1118**	**0.0696**	**9.0000e-005**	**0.0000**	**6.2300e-003**	**6.2300e-003**	**0.0000**	**5.7400e-003**	**5.7400e-003**	**0.0000**	**8.9474**	**8.9474**	**2.7000e-003**	**0.0000**	**9.0041**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	4.0000e-004	3.8800e-003	1.0000e-005	6.1000e-004	1.0000e-005	6.1000e-004	1.6000e-004	1.0000e-005	1.7000e-004	0.0000	0.5523	0.5523	3.0000e-005	0.0000	0.5530
Total	**2.9000e-004**	**4.0000e-004**	**3.8800e-003**	**1.0000e-005**	**6.1000e-004**	**1.0000e-005**	**6.1000e-004**	**1.6000e-004**	**1.0000e-005**	**1.7000e-004**	**0.0000**	**0.5523**	**0.5523**	**3.0000e-005**	**0.0000**	**0.5530**

3.8 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1432	0.8937	0.6398	9.5000e-004		0.0594	0.0594		0.0573	0.0573	0.0000	80.7776	80.7776	0.0178	0.0000	81.1504
Total	**0.1432**	**0.8937**	**0.6398**	**9.5000e-004**		**0.0594**	**0.0594**		**0.0573**	**0.0573**	**0.0000**	**80.7776**	**80.7776**	**0.0178**	**0.0000**	**81.1504**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0129	0.0944	0.1597	2.3000e-004	6.1100e-003	1.4100e-003	7.5200e-003	1.7500e-003	1.2900e-003	3.0500e-003	0.0000	20.4229	20.4229	1.6000e-004	0.0000	20.4263
Worker	0.0102	0.0140	0.1375	2.6000e-004	0.0216	2.0000e-004	0.0218	5.7400e-003	1.8000e-004	5.9200e-003	0.0000	19.5753	19.5753	1.1300e-003	0.0000	19.5990
Total	**0.0231**	**0.1085**	**0.2973**	**4.9000e-004**	**0.0277**	**1.6100e-003**	**0.0293**	**7.4900e-003**	**1.4700e-003**	**8.9700e-003**	**0.0000**	**39.9982**	**39.9982**	**1.2900e-003**	**0.0000**	**40.0253**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1432	0.8937	0.6398	9.5000e-004		0.0594	0.0594		0.0573	0.0573	0.0000	80.7775	80.7775	0.0178	0.0000	81.1503
Total	**0.1432**	**0.8937**	**0.6398**	**9.5000e-004**		**0.0594**	**0.0594**		**0.0573**	**0.0573**	**0.0000**	**80.7775**	**80.7775**	**0.0178**	**0.0000**	**81.1503**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0129	0.0944	0.1597	2.3000e-004	6.1100e-003	1.4100e-003	7.5200e-003	1.7500e-003	1.2900e-003	3.0500e-003	0.0000	20.4229	20.4229	1.6000e-004	0.0000	20.4263
Worker	0.0102	0.0140	0.1375	2.6000e-004	0.0216	2.0000e-004	0.0218	5.7400e-003	1.8000e-004	5.9200e-003	0.0000	19.5753	19.5753	1.1300e-003	0.0000	19.5990
Total	**0.0231**	**0.1085**	**0.2973**	**4.9000e-004**	**0.0277**	**1.6100e-003**	**0.0293**	**7.4900e-003**	**1.4700e-003**	**8.9700e-003**	**0.0000**	**39.9982**	**39.9982**	**1.2900e-003**	**0.0000**	**40.0253**

3.8 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3841	2.4842	1.8604	2.8500e-003		0.1593	0.1593		0.1537	0.1537	0.0000	239.9115	239.9115	0.0503	0.0000	240.9686
Total	**0.3841**	**2.4842**	**1.8604**	**2.8500e-003**		**0.1593**	**0.1593**		**0.1537**	**0.1537**	**0.0000**	**239.9115**	**239.9115**	**0.0503**	**0.0000**	**240.9686**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0327	0.2528	0.4356	6.7000e-004	0.0183	3.6300e-003	0.0219	5.2400e-003	3.3400e-003	8.5800e-003	0.0000	59.9635	59.9635	4.6000e-004	0.0000	59.9732
Worker	0.0266	0.0371	0.3599	7.7000e-004	0.0644	5.6000e-004	0.0650	0.0171	5.1000e-004	0.0177	0.0000	56.2583	56.2583	3.0500e-003	0.0000	56.3222
Total	**0.0593**	**0.2899**	**0.7955**	**1.4400e-003**	**0.0827**	**4.1900e-003**	**0.0869**	**0.0224**	**3.8500e-003**	**0.0262**	**0.0000**	**116.2217**	**116.2217**	**3.5100e-003**	**0.0000**	**116.2954**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3841	2.4841	1.8604	2.8500e-003		0.1593	0.1593		0.1537	0.1537	0.0000	239.9112	239.9112	0.0503	0.0000	240.9684
Total	**0.3841**	**2.4841**	**1.8604**	**2.8500e-003**		**0.1593**	**0.1593**		**0.1537**	**0.1537**	**0.0000**	**239.9112**	**239.9112**	**0.0503**	**0.0000**	**240.9684**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0327	0.2528	0.4356	6.7000e-004	0.0183	3.6300e-003	0.0219	5.2400e-003	3.3400e-003	8.5800e-003	0.0000	59.9635	59.9635	4.6000e-004	0.0000	59.9732
Worker	0.0266	0.0371	0.3599	7.7000e-004	0.0644	5.6000e-004	0.0650	0.0171	5.1000e-004	0.0177	0.0000	56.2583	56.2583	3.0500e-003	0.0000	56.3222
Total	**0.0593**	**0.2899**	**0.7955**	**1.4400e-003**	**0.0827**	**4.1900e-003**	**0.0869**	**0.0224**	**3.8500e-003**	**0.0262**	**0.0000**	**116.2217**	**116.2217**	**3.5100e-003**	**0.0000**	**116.2954**

3.9 Trenching - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0500e-003	0.0102	7.7300e-003	1.0000e-005		7.7000e-004	7.7000e-004		7.1000e-004	7.1000e-004	0.0000	0.9486	0.9486	2.9000e-004	0.0000	0.9546
Total	**1.0500e-003**	**0.0102**	**7.7300e-003**	**1.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**0.9486**	**0.9486**	**2.9000e-004**	**0.0000**	**0.9546**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.4400e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2046	0.2046	1.0000e-005	0.0000	0.2048
Total	**1.1000e-004**	**1.5000e-004**	**1.4400e-003**	**0.0000**	**2.3000e-004**	**0.0000**	**2.3000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.2046**	**0.2046**	**1.0000e-005**	**0.0000**	**0.2048**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0500e-003	0.0102	7.7300e-003	1.0000e-005		7.7000e-004	7.7000e-004		7.1000e-004	7.1000e-004	0.0000	0.9486	0.9486	2.9000e-004	0.0000	0.9546
Total	**1.0500e-003**	**0.0102**	**7.7300e-003**	**1.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**0.9486**	**0.9486**	**2.9000e-004**	**0.0000**	**0.9546**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.4400e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2046	0.2046	1.0000e-005	0.0000	0.2048
Total	**1.1000e-004**	**1.5000e-004**	**1.4400e-003**	**0.0000**	**2.3000e-004**	**0.0000**	**2.3000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.2046**	**0.2046**	**1.0000e-005**	**0.0000**	**0.2048**

3.9 Trenching - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.2700e-003	0.0124	9.9700e-003	1.0000e-005		9.1000e-004	9.1000e-004		8.4000e-004	8.4000e-004	0.0000	1.2134	1.2134	3.7000e-004	0.0000	1.2212
Total	**1.2700e-003**	**0.0124**	**9.9700e-003**	**1.0000e-005**		**9.1000e-004**	**9.1000e-004**		**8.4000e-004**	**8.4000e-004**	**0.0000**	**1.2134**	**1.2134**	**3.7000e-004**	**0.0000**	**1.2212**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.7000e-004	1.6400e-003	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2557	0.2557	1.0000e-005	0.0000	0.2560
Total	**1.2000e-004**	**1.7000e-004**	**1.6400e-003**	**0.0000**	**2.9000e-004**	**0.0000**	**3.0000e-004**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.2557**	**0.2557**	**1.0000e-005**	**0.0000**	**0.2560**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.2700e-003	0.0124	9.9700e-003	1.0000e-005		9.1000e-004	9.1000e-004		8.4000e-004	8.4000e-004	0.0000	1.2134	1.2134	3.7000e-004	0.0000	1.2212
Total	**1.2700e-003**	**0.0124**	**9.9700e-003**	**1.0000e-005**		**9.1000e-004**	**9.1000e-004**		**8.4000e-004**	**8.4000e-004**	**0.0000**	**1.2134**	**1.2134**	**3.7000e-004**	**0.0000**	**1.2212**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.7000e-004	1.6400e-003	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2557	0.2557	1.0000e-005	0.0000	0.2560
Total	**1.2000e-004**	**1.7000e-004**	**1.6400e-003**	**0.0000**	**2.9000e-004**	**0.0000**	**3.0000e-004**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.2557**	**0.2557**	**1.0000e-005**	**0.0000**	**0.2560**

3.10 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1929					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3100e-003	0.0481	0.0411	7.0000e-005		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003	0.0000	5.6172	5.6172	5.9000e-004	0.0000	5.6296
Total	**0.2002**	**0.0481**	**0.0411**	**7.0000e-005**		**3.8100e-003**	**3.8100e-003**		**3.8100e-003**	**3.8100e-003**	**0.0000**	**5.6172**	**5.6172**	**5.9000e-004**	**0.0000**	**5.6296**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-004	1.2600e-003	0.0122	3.0000e-005	2.1800e-003	2.0000e-005	2.2000e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.9041	1.9041	1.0000e-004	0.0000	1.9063
Total	**9.0000e-004**	**1.2600e-003**	**0.0122**	**3.0000e-005**	**2.1800e-003**	**2.0000e-005**	**2.2000e-003**	**5.8000e-004**	**2.0000e-005**	**6.0000e-004**	**0.0000**	**1.9041**	**1.9041**	**1.0000e-004**	**0.0000**	**1.9063**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1929					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3100e-003	0.0481	0.0411	7.0000e-005		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003	0.0000	5.6172	5.6172	5.9000e-004	0.0000	5.6296
Total	**0.2002**	**0.0481**	**0.0411**	**7.0000e-005**		**3.8100e-003**	**3.8100e-003**		**3.8100e-003**	**3.8100e-003**	**0.0000**	**5.6172**	**5.6172**	**5.9000e-004**	**0.0000**	**5.6296**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-004	1.2600e-003	0.0122	3.0000e-005	2.1800e-003	2.0000e-005	2.2000e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.9041	1.9041	1.0000e-004	0.0000	1.9063
Total	**9.0000e-004**	**1.2600e-003**	**0.0122**	**3.0000e-005**	**2.1800e-003**	**2.0000e-005**	**2.2000e-003**	**5.8000e-004**	**2.0000e-005**	**6.0000e-004**	**0.0000**	**1.9041**	**1.9041**	**1.0000e-004**	**0.0000**	**1.9063**

3.11 Fine Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2700e-003	0.0127	8.6000e-003	1.0000e-005		7.1000e-004	7.1000e-004		6.5000e-004	6.5000e-004	0.0000	1.1029	1.1029	3.4000e-004	0.0000	1.1100
Total	**1.2700e-003**	**0.0127**	**8.6000e-003**	**1.0000e-005**	**0.0000**	**7.1000e-004**	**7.1000e-004**	**0.0000**	**6.5000e-004**	**6.5000e-004**	**0.0000**	**1.1029**	**1.1029**	**3.4000e-004**	**0.0000**	**1.1100**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	8.8000e-004	1.5200e-003	0.0000	6.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2097	0.2097	0.0000	0.0000	0.2097
Worker	3.0000e-005	4.0000e-005	3.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0590	0.0590	0.0000	0.0000	0.0591
Total	**1.4000e-004**	**9.2000e-004**	**1.9000e-003**	**0.0000**	**1.3000e-004**	**1.0000e-005**	**1.5000e-004**	**4.0000e-005**	**1.0000e-005**	**5.0000e-005**	**0.0000**	**0.2687**	**0.2687**	**0.0000**	**0.0000**	**0.2688**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2700e-003	0.0127	8.6000e-003	1.0000e-005		7.1000e-004	7.1000e-004		6.5000e-004	6.5000e-004	0.0000	1.1029	1.1029	3.4000e-004	0.0000	1.1100
Total	**1.2700e-003**	**0.0127**	**8.6000e-003**	**1.0000e-005**	**0.0000**	**7.1000e-004**	**7.1000e-004**	**0.0000**	**6.5000e-004**	**6.5000e-004**	**0.0000**	**1.1029**	**1.1029**	**3.4000e-004**	**0.0000**	**1.1100**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	8.8000e-004	1.5200e-003	0.0000	6.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2097	0.2097	0.0000	0.0000	0.2097
Worker	3.0000e-005	4.0000e-005	3.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0590	0.0590	0.0000	0.0000	0.0591
Total	**1.4000e-004**	**9.2000e-004**	**1.9000e-003**	**0.0000**	**1.3000e-004**	**1.0000e-005**	**1.5000e-004**	**4.0000e-005**	**1.0000e-005**	**5.0000e-005**	**0.0000**	**0.2687**	**0.2687**	**0.0000**	**0.0000**	**0.2688**

3.12 Fine Grading Haul - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	9.4000e-004	2.5000e-003	0.0000	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2028	0.2028	0.0000	0.0000	0.2028
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.5000e-004**	**9.4000e-004**	**2.5000e-003**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**6.0000e-005**	**1.0000e-005**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**0.2028**	**0.2028**	**0.0000**	**0.0000**	**0.2028**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	9.4000e-004	2.5000e-003	0.0000	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2028	0.2028	0.0000	0.0000	0.2028
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.5000e-004**	**9.4000e-004**	**2.5000e-003**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**6.0000e-005**	**1.0000e-005**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**0.2028**	**0.2028**	**0.0000**	**0.0000**	**0.2028**

3.13 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0700e-003	8.8000e-003	6.8000e-003	1.0000e-005		5.0000e-004	5.0000e-004		4.6000e-004	4.6000e-004	0.0000	0.9049	0.9049	2.8000e-004	0.0000	0.9107
Paving	1.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2000e-003**	**8.8000e-003**	**6.8000e-003**	**1.0000e-005**		**5.0000e-004**	**5.0000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**0.9049**	**0.9049**	**2.8000e-004**	**0.0000**	**0.9107**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	8.8000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1377	0.1377	1.0000e-005	0.0000	0.1379
Total	**6.0000e-005**	**9.0000e-005**	**8.8000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1377**	**0.1377**	**1.0000e-005**	**0.0000**	**0.1379**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0700e-003	8.8000e-003	6.8000e-003	1.0000e-005		5.0000e-004	5.0000e-004		4.6000e-004	4.6000e-004	0.0000	0.9049	0.9049	2.8000e-004	0.0000	0.9107
Paving	1.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2000e-003**	**8.8000e-003**	**6.8000e-003**	**1.0000e-005**		**5.0000e-004**	**5.0000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**0.9049**	**0.9049**	**2.8000e-004**	**0.0000**	**0.9107**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	8.8000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1377	0.1377	1.0000e-005	0.0000	0.1379
Total	**6.0000e-005**	**9.0000e-005**	**8.8000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1377**	**0.1377**	**1.0000e-005**	**0.0000**	**0.1379**

3.14 Finishing and Landscaping - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7100e-003	0.0220	0.0222	3.0000e-005		1.1800e-003	1.1800e-003		1.0900e-003	1.0900e-003	0.0000	3.0209	3.0209	9.3000e-004	0.0000	3.0403
Total	**1.7100e-003**	**0.0220**	**0.0222**	**3.0000e-005**		**1.1800e-003**	**1.1800e-003**		**1.0900e-003**	**1.0900e-003**	**0.0000**	**3.0209**	**3.0209**	**9.3000e-004**	**0.0000**	**3.0403**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7100e-003	0.0220	0.0222	3.0000e-005		1.1800e-003	1.1800e-003		1.0900e-003	1.0900e-003	0.0000	3.0209	3.0209	9.3000e-004	0.0000	3.0403
Total	**1.7100e-003**	**0.0220**	**0.0222**	**3.0000e-005**		**1.1800e-003**	**1.1800e-003**		**1.0900e-003**	**1.0900e-003**	**0.0000**	**3.0209**	**3.0209**	**9.3000e-004**	**0.0000**	**3.0403**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Hotel Project Sonoma Construction HRA Mitigated

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	37.66	1000sqft	0.00	37,655.00	0
Other Non-Asphalt Surfaces	22.48	1000sqft	0.52	22,483.00	0
Parking Lot	4.48	1000sqft	0.10	4,479.00	0
Hotel	62.00	Room	0.62	67,478.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2017
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project Description - see assumptions

Construction Phase - Applicant provided schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Equipment provided by the Applicant

Off-road Equipment - Haul = no equipment

Off-road Equipment - Equipment provided by the Applicant

Off-road Equipment - Applicant provided construction equipment

Off-road Equipment - Haul = no construction

Off-road Equipment - Assumes use of 1 skid steer loader during finishing and landscaping activities.

Off-road Equipment - Applicant provided construction equipment

Off-road Equipment - Applicant provided construction equipment

Off-road Equipment -

Off-road Equipment - Haul = no equipment

Off-road Equipment - Applicant provided construction equipment

Trips and VMT - Trips based on size of the haul trucks. Water Trucks added as vendor trips. Haul length provided by Applicant.

Demolition -

Grading -

Architectural Coating - Modified = parking structure not painted. Reduced painting area provided by the Applicant/Architect

Vehicle Trips - trip rates provided by WTrans

Area Coating -

Energy Use - Hotel energy use is based on calculations provided by the Applicant and includes reductions from the most recent T24.

Water And Wastewater - Water Demand from the Basis of Design Report. 100% treated wastewater

Construction Off-road Equipment Mitigation - BAAQMD Best Management Practices

Energy Mitigation - 2013 Title 24 is 30% high for non-residential (included in base calcs not mitigated scenario). Includes Renewable Energy but unknown kwh generated

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	63,875.00	6,748.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	191,626.00	73,111.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	200.00	32.00
tblConstructionPhase	NumDays	200.00	347.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	4.00	5.00

tblConstructionPhase	NumDays	4.00	5.00
tblConstructionPhase	NumDays	4.00	45.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	NumDays	2.00	12.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	PhaseEndDate	3/21/2017	10/26/2017
tblConstructionPhase	PhaseEndDate	12/13/2017	12/26/2017
tblConstructionPhase	PhaseEndDate	1/29/2018	12/29/2017
tblConstructionPhase	PhaseEndDate	8/5/2016	7/7/2016
tblConstructionPhase	PhaseEndDate	7/11/2016	7/25/2016
tblConstructionPhase	PhaseEndDate	11/2/2017	10/20/2017
tblConstructionPhase	PhaseEndDate	10/27/2017	10/20/2017
tblConstructionPhase	PhaseEndDate	10/27/2016	9/29/2016
tblConstructionPhase	PhaseEndDate	10/31/2017	10/30/2017
tblConstructionPhase	PhaseEndDate	8/10/2016	8/15/2016
tblConstructionPhase	PhaseEndDate	9/12/2016	8/25/2016
tblConstructionPhase	PhaseEndDate	1/31/2018	1/18/2017
tblConstructionPhase	PhaseStartDate	1/19/2017	8/28/2017
tblConstructionPhase	PhaseStartDate	10/31/2017	11/12/2017
tblConstructionPhase	PhaseStartDate	9/30/2016	9/1/2016
tblConstructionPhase	PhaseStartDate	7/30/2016	7/1/2016
tblConstructionPhase	PhaseStartDate	7/8/2016	7/22/2016
tblConstructionPhase	PhaseStartDate	10/27/2017	10/15/2017
tblConstructionPhase	PhaseStartDate	10/21/2017	10/15/2017
tblConstructionPhase	PhaseStartDate	8/26/2016	7/29/2016
tblConstructionPhase	PhaseStartDate	10/21/2017	10/20/2017
tblConstructionPhase	PhaseStartDate	7/26/2016	7/29/2016

tblConstructionPhase	PhaseStartDate	8/16/2016	7/29/2016
tblConstructionPhase	PhaseStartDate	12/30/2017	12/18/2016
tblEnergyUse	LightingElect	2.72	6.17
tblEnergyUse	NT24E	3.22	5.83
tblEnergyUse	T24E	2.50	6.18
tblEnergyUse	T24NG	41.63	29.10
tblGrading	MaterialExported	0.00	16,000.00
tblGrading	MaterialImported	0.00	148.00
tblLandUse	LandUseSquareFeet	37,660.00	37,655.00
tblLandUse	LandUseSquareFeet	22,480.00	22,483.00
tblLandUse	LandUseSquareFeet	4,480.00	4,479.00
tblLandUse	LandUseSquareFeet	90,024.00	67,478.00
tblLandUse	LotAcreage	0.86	0.00
tblLandUse	LotAcreage	2.07	0.62
tblOffRoadEquipment	HorsePower	125.00	121.00
tblOffRoadEquipment	HorsePower	80.00	33.00
tblOffRoadEquipment	HorsePower	162.00	132.00
tblOffRoadEquipment	HorsePower	162.00	132.00
tblOffRoadEquipment	HorsePower	162.00	55.00
tblOffRoadEquipment	HorsePower	199.00	154.00
tblOffRoadEquipment	HorsePower	199.00	154.00
tblOffRoadEquipment	HorsePower	97.00	70.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblProjectCharacteristics	OperationalYear	2014	2017

tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	21.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripNumber	19.00	23.00
tblTripsAndVMT	HaulingTripNumber	44.00	45.00
tblTripsAndVMT	HaulingTripNumber	20.00	32.00
tblTripsAndVMT	HaulingTripNumber	2,000.00	2,462.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	22.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	55.00	0.00
tblVehicleTrips	SU_TR	5.95	8.19
tblWater	IndoorWaterUseRate	1,572,739.74	5,400,000.00
tblWater	OutdoorWaterUseRate	174,748.86	66,000.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.2181	1.4470	1.4698	2.0000e-003	0.0780	0.0799	0.1579	0.0285	0.0762	0.1046	0.0000	171.8549	171.8549	0.0267	0.0000	172.4150
2017	0.6504	2.8814	2.7637	4.4700e-003	0.0855	0.1707	0.2562	0.0231	0.1644	0.1876	0.0000	370.7615	370.7615	0.0565	0.0000	371.9477
Total	**0.8685**	**4.3284**	**4.2335**	**6.4700e-003**	**0.1635**	**0.2506**	**0.4140**	**0.0516**	**0.2406**	**0.2922**	**0.0000**	**542.6164**	**542.6164**	**0.0832**	**0.0000**	**544.3627**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.1387	0.8395	1.4308	2.0000e-003	0.0509	0.0441	0.0951	0.0170	0.0437	0.0607	0.0000	171.8548	171.8548	0.0267	0.0000	172.4148
2017	0.4877	1.7137	2.7692	4.4700e-003	0.0791	0.1047	0.1838	0.0216	0.1043	0.1259	0.0000	370.7612	370.7612	0.0565	0.0000	371.9474
Total	**0.6264**	**2.5533**	**4.2000**	**6.4700e-003**	**0.1300**	**0.1488**	**0.2789**	**0.0386**	**0.1480**	**0.1866**	**0.0000**	**542.6160**	**542.6160**	**0.0832**	**0.0000**	**544.3622**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**27.88**	**41.01**	**0.79**	**0.00**	**20.46**	**40.60**	**32.65**	**25.26**	**38.47**	**36.14**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition_Buildings	Demolition	7/1/2016	7/29/2016	5	21	
2	Demolition_BuildingHaul	Demolition	7/1/2016	7/7/2016	5	5	
3	Demolition_AsphaltHaul	Demolition	7/22/2016	7/25/2016	5	2	
4	Site Preparation	Site Preparation	7/29/2016	8/15/2016	5	12	
5	Site Preparation Haul	Site Preparation	7/29/2016	8/25/2016	5	20	
6	Rough Grading	Grading	7/29/2016	9/29/2016	5	45	
7	Building Construction	Building Construction	9/1/2016	12/29/2017	5	347	
8	Trenching	Trenching	12/18/2016	1/18/2017	5	23	
9	Architectural Coating	Architectural Coating	8/28/2017	10/26/2017	5	44	
10	Fine Grading	Grading	10/15/2017	10/20/2017	5	5	
11	Fine Grading Haul	Grading	10/15/2017	10/20/2017	5	5	
12	Paving	Paving	10/20/2017	10/30/2017	5	7	
13	Finishing and Landscaping	Building Construction	11/12/2017	12/26/2017	5	32	

Acres of Grading (Site Preparation Phase): 6

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 73,111; Non-Residential Outdoor: 6,748 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition_Buildings	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition_Buildings	Excavators	1	8.00	132	0.38
Demolition_Buildings	Rubber Tired Dozers	0	8.00	255	0.40
Demolition_Buildings	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition_BuildingHaul	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition_BuildingHaul	Rubber Tired Dozers	0	8.00	255	0.40
Demolition_BuildingHaul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition_AsphaltHaul	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition_AsphaltHaul	Excavators	1	8.00	132	0.38
Demolition_AsphaltHaul	Rubber Tired Dozers	0	8.00	255	0.40
Demolition_AsphaltHaul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation Haul	Graders	0	8.00	174	0.41
Site Preparation Haul	Rubber Tired Dozers	0	7.00	255	0.40
Site Preparation Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Rough Grading	Graders	0	6.00	174	0.41
Rough Grading	Rubber Tired Dozers	0	6.00	255	0.40
Rough Grading	Rubber Tired Loaders	1	7.10	154	0.36
Rough Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Building Construction	Welders	3	8.00	46	0.45
Trenching	Excavators	1	4.00	55	0.38
Trenching	Tractors/Loaders/Backhoes	1	4.00	70	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Fine Grading	Graders	0	6.00	174	0.41
Fine Grading	Rubber Tired Dozers	0	6.00	255	0.40
Fine Grading	Rubber Tired Loaders	1	8.00	154	0.36
Fine Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Fine Grading Haul	Graders	0	6.00	174	0.41
Fine Grading Haul	Rubber Tired Dozers	0	6.00	255	0.40
Fine Grading Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	4.00	121	0.42
Paving	Paving Equipment	0	8.00	130	0.36
Paving	Rollers	1	4.00	33	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Finishing and Landscaping	Cranes	0	6.00	226	0.29
Finishing and Landscaping	Forklifts	0	6.00	89	0.20
Finishing and Landscaping	Generator Sets	0	8.00	84	0.74
Finishing and Landscaping	Skid Steer Loaders	1	8.00	64	0.37
Finishing and Landscaping	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Finishing and Landscaping	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition_Buildings	1	3.00	4.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition_BuildingHaul	0	0.00	0.00	45.00	12.40	7.30	21.00	LD_Mix	HDT_Mix	HHDT
Demolition_AsphaltHaul	1	3.00	0.00	32.00	12.40	7.30	5.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	4.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Haul	0	0.00	0.00	2,462.00	12.40	7.30	5.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	55.00	22.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	1	3.00	4.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading Haul	0	0.00	0.00	23.00	12.40	7.30	5.00	LD_Mix	HDT_Mix	HHDT
Paving	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finishing and Landscaping	1	0.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition_Buildings - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3200e-003	0.0379	0.0293	5.0000e-005		1.8700e-003	1.8700e-003		1.7200e-003	1.7200e-003	0.0000	4.2682	4.2682	1.2900e-003	0.0000	4.2952
Total	**3.3200e-003**	**0.0379**	**0.0293**	**5.0000e-005**		**1.8700e-003**	**1.8700e-003**		**1.7200e-003**	**1.7200e-003**	**0.0000**	**4.2682**	**4.2682**	**1.2900e-003**	**0.0000**	**4.2952**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.6000e-004	4.1400e-003	7.0100e-003	1.0000e-005	2.7000e-004	6.0000e-005	3.3000e-004	8.0000e-005	6.0000e-005	1.3000e-004	0.0000	0.8963	0.8963	1.0000e-005	0.0000	0.8965
Worker	1.3000e-004	1.8000e-004	1.8100e-003	0.0000	2.8000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2577	0.2577	1.0000e-005	0.0000	0.2580
Total	**6.9000e-004**	**4.3200e-003**	**8.8200e-003**	**1.0000e-005**	**5.5000e-004**	**6.0000e-005**	**6.2000e-004**	**1.6000e-004**	**6.0000e-005**	**2.1000e-004**	**0.0000**	**1.1540**	**1.1540**	**2.0000e-005**	**0.0000**	**1.1545**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3200e-003	0.0379	0.0293	5.0000e-005		1.8700e-003	1.8700e-003		1.7200e-003	1.7200e-003	0.0000	4.2682	4.2682	1.2900e-003	0.0000	4.2952
Total	**3.3200e-003**	**0.0379**	**0.0293**	**5.0000e-005**		**1.8700e-003**	**1.8700e-003**		**1.7200e-003**	**1.7200e-003**	**0.0000**	**4.2682**	**4.2682**	**1.2900e-003**	**0.0000**	**4.2952**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.6000e-004	4.1400e-003	7.0100e-003	1.0000e-005	2.5000e-004	6.0000e-005	3.1000e-004	7.0000e-005	6.0000e-005	1.3000e-004	0.0000	0.8963	0.8963	1.0000e-005	0.0000	0.8965
Worker	1.3000e-004	1.8000e-004	1.8100e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2577	0.2577	1.0000e-005	0.0000	0.2580
Total	**6.9000e-004**	**4.3200e-003**	**8.8200e-003**	**1.0000e-005**	**5.1000e-004**	**6.0000e-005**	**5.7000e-004**	**1.4000e-004**	**6.0000e-005**	**2.0000e-004**	**0.0000**	**1.1540**	**1.1540**	**2.0000e-005**	**0.0000**	**1.1545**

3.3 Demolition_BuildingHaul - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8100e-003	0.0000	4.8100e-003	7.3000e-004	0.0000	7.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.8100e-003**	**0.0000**	**4.8100e-003**	**7.3000e-004**	**0.0000**	**7.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.6000e-004	6.9600e-003	7.3700e-003	2.0000e-005	3.9000e-004	9.0000e-005	4.8000e-004	1.1000e-004	8.0000e-005	1.9000e-004	0.0000	1.5816	1.5816	1.0000e-005	0.0000	1.5819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.6000e-004**	**6.9600e-003**	**7.3700e-003**	**2.0000e-005**	**3.9000e-004**	**9.0000e-005**	**4.8000e-004**	**1.1000e-004**	**8.0000e-005**	**1.9000e-004**	**0.0000**	**1.5816**	**1.5816**	**1.0000e-005**	**0.0000**	**1.5819**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0600e-003	0.0000	2.0600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.0600e-003**	**0.0000**	**2.0600e-003**	**3.1000e-004**	**0.0000**	**3.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.6000e-004	6.9600e-003	7.3700e-003	2.0000e-005	3.7000e-004	9.0000e-005	4.6000e-004	1.0000e-004	8.0000e-005	1.8000e-004	0.0000	1.5816	1.5816	1.0000e-005	0.0000	1.5819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.6000e-004**	**6.9600e-003**	**7.3700e-003**	**2.0000e-005**	**3.7000e-004**	**9.0000e-005**	**4.6000e-004**	**1.0000e-004**	**8.0000e-005**	**1.8000e-004**	**0.0000**	**1.5816**	**1.5816**	**1.0000e-005**	**0.0000**	**1.5819**

3.4 Demolition_AsphaltHaul - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1900e-003	0.0000	2.1900e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-004	3.6100e-003	2.7900e-003	0.0000		1.8000e-004	1.8000e-004		1.6000e-004	1.6000e-004	0.0000	0.4065	0.4065	1.2000e-004	0.0000	0.4091
Total	**3.2000e-004**	**3.6100e-003**	**2.7900e-003**	**0.0000**	**2.1900e-003**	**1.8000e-004**	**2.3700e-003**	**3.3000e-004**	**1.6000e-004**	**4.9000e-004**	**0.0000**	**0.4065**	**0.4065**	**1.2000e-004**	**0.0000**	**0.4091**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5000e-004	1.4400e-003	3.8000e-003	0.0000	7.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2873	0.2873	0.0000	0.0000	0.2874
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	2.0000e-005	1.7000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0246	0.0246	0.0000	0.0000	0.0246
Total	**2.6000e-004**	**1.4600e-003**	**3.9700e-003**	**0.0000**	**1.0000e-004**	**2.0000e-005**	**1.1000e-004**	**3.0000e-005**	**1.0000e-005**	**4.0000e-005**	**0.0000**	**0.3119**	**0.3119**	**0.0000**	**0.0000**	**0.3119**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.4000e-004	0.0000	9.4000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-004	3.6100e-003	2.7900e-003	0.0000		1.8000e-004	1.8000e-004		1.6000e-004	1.6000e-004	0.0000	0.4065	0.4065	1.2000e-004	0.0000	0.4091
Total	**3.2000e-004**	**3.6100e-003**	**2.7900e-003**	**0.0000**	**9.4000e-004**	**1.8000e-004**	**1.1200e-003**	**1.4000e-004**	**1.6000e-004**	**3.0000e-004**	**0.0000**	**0.4065**	**0.4065**	**1.2000e-004**	**0.0000**	**0.4091**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5000e-004	1.4400e-003	3.8000e-003	0.0000	6.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2873	0.2873	0.0000	0.0000	0.2874
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	2.0000e-005	1.7000e-004	0.0000	2.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0246	0.0246	0.0000	0.0000	0.0246
Total	**2.6000e-004**	**1.4600e-003**	**3.9700e-003**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**1.1000e-004**	**3.0000e-005**	**1.0000e-005**	**4.0000e-005**	**0.0000**	**0.3119**	**0.3119**	**0.0000**	**0.0000**	**0.3119**

3.5 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0348	0.0000	0.0348	0.0177	0.0000	0.0177	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0147	0.1546	0.0991	1.0000e-004		8.3900e-003	8.3900e-003		7.7200e-003	7.7200e-003	0.0000	9.6947	9.6947	2.9200e-003	0.0000	9.7561
Total	**0.0147**	**0.1546**	**0.0991**	**1.0000e-004**	**0.0348**	**8.3900e-003**	**0.0432**	**0.0177**	**7.7200e-003**	**0.0254**	**0.0000**	**9.6947**	**9.6947**	**2.9200e-003**	**0.0000**	**9.7561**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2000e-004	2.3700e-003	4.0100e-003	1.0000e-005	1.5000e-004	4.0000e-005	1.9000e-004	4.0000e-005	3.0000e-005	8.0000e-005	0.0000	0.5122	0.5122	0.0000	0.0000	0.5123
Worker	2.0000e-004	2.8000e-004	2.7600e-003	1.0000e-005	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3927	0.3927	2.0000e-005	0.0000	0.3932
Total	**5.2000e-004**	**2.6500e-003**	**6.7700e-003**	**2.0000e-005**	**5.8000e-004**	**4.0000e-005**	**6.3000e-004**	**1.6000e-004**	**3.0000e-005**	**2.0000e-004**	**0.0000**	**0.9049**	**0.9049**	**2.0000e-005**	**0.0000**	**0.9055**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0149	0.0000	0.0149	7.5800e-003	0.0000	7.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5000e-003	0.0498	0.0665	1.0000e-004		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	9.6946	9.6946	2.9200e-003	0.0000	9.7561
Total	**2.5000e-003**	**0.0498**	**0.0665**	**1.0000e-004**	**0.0149**	**2.4100e-003**	**0.0173**	**7.5800e-003**	**2.4100e-003**	**9.9900e-003**	**0.0000**	**9.6946**	**9.6946**	**2.9200e-003**	**0.0000**	**9.7561**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2000e-004	2.3700e-003	4.0100e-003	1.0000e-005	1.4000e-004	4.0000e-005	1.8000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.5122	0.5122	0.0000	0.0000	0.5123
Worker	2.0000e-004	2.8000e-004	2.7600e-003	1.0000e-005	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3927	0.3927	2.0000e-005	0.0000	0.3932
Total	**5.2000e-004**	**2.6500e-003**	**6.7700e-003**	**2.0000e-005**	**5.4000e-004**	**4.0000e-005**	**5.8000e-004**	**1.5000e-004**	**3.0000e-005**	**1.8000e-004**	**0.0000**	**0.9049**	**0.9049**	**2.0000e-005**	**0.0000**	**0.9055**

3.6 Site Preparation Haul - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0000e-004	0.0000	9.0000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**9.0000e-004**	**0.0000**	**9.0000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0191	0.1107	0.2920	2.5000e-004	5.1500e-003	1.2200e-003	6.3600e-003	1.4200e-003	1.1200e-003	2.5300e-003	0.0000	22.1046	22.1046	2.0000e-004	0.0000	22.1087
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0191**	**0.1107**	**0.2920**	**2.5000e-004**	**5.1500e-003**	**1.2200e-003**	**6.3600e-003**	**1.4200e-003**	**1.1200e-003**	**2.5300e-003**	**0.0000**	**22.1046**	**22.1046**	**2.0000e-004**	**0.0000**	**22.1087**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9000e-004	0.0000	3.9000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**3.9000e-004**	**0.0000**	**3.9000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0191	0.1107	0.2920	2.5000e-004	4.8000e-003	1.2200e-003	6.0200e-003	1.3300e-003	1.1200e-003	2.4500e-003	0.0000	22.1046	22.1046	2.0000e-004	0.0000	22.1087
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0191**	**0.1107**	**0.2920**	**2.5000e-004**	**4.8000e-003**	**1.2200e-003**	**6.0200e-003**	**1.3300e-003**	**1.1200e-003**	**2.4500e-003**	**0.0000**	**22.1046**	**22.1046**	**2.0000e-004**	**0.0000**	**22.1087**

3.7 Rough Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1118	0.0696	9.0000e-005		6.2300e-003	6.2300e-003		5.7400e-003	5.7400e-003	0.0000	8.9474	8.9474	2.7000e-003	0.0000	9.0041
Total	**0.0110**	**0.1118**	**0.0696**	**9.0000e-005**	**0.0000**	**6.2300e-003**	**6.2300e-003**	**0.0000**	**5.7400e-003**	**5.7400e-003**	**0.0000**	**8.9474**	**8.9474**	**2.7000e-003**	**0.0000**	**9.0041**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	4.0000e-004	3.8800e-003	1.0000e-005	6.1000e-004	1.0000e-005	6.1000e-004	1.6000e-004	1.0000e-005	1.7000e-004	0.0000	0.5523	0.5523	3.0000e-005	0.0000	0.5530
Total	**2.9000e-004**	**4.0000e-004**	**3.8800e-003**	**1.0000e-005**	**6.1000e-004**	**1.0000e-005**	**6.1000e-004**	**1.6000e-004**	**1.0000e-005**	**1.7000e-004**	**0.0000**	**0.5523**	**0.5523**	**3.0000e-005**	**0.0000**	**0.5530**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3400e-003	0.0453	0.0722	9.0000e-005		2.1900e-003	2.1900e-003		2.1900e-003	2.1900e-003	0.0000	8.9474	8.9474	2.7000e-003	0.0000	9.0041
Total	**2.3400e-003**	**0.0453**	**0.0722**	**9.0000e-005**	**0.0000**	**2.1900e-003**	**2.1900e-003**	**0.0000**	**2.1900e-003**	**2.1900e-003**	**0.0000**	**8.9474**	**8.9474**	**2.7000e-003**	**0.0000**	**9.0041**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	4.0000e-004	3.8800e-003	1.0000e-005	5.6000e-004	1.0000e-005	5.7000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	0.5523	0.5523	3.0000e-005	0.0000	0.5530
Total	**2.9000e-004**	**4.0000e-004**	**3.8800e-003**	**1.0000e-005**	**5.6000e-004**	**1.0000e-005**	**5.7000e-004**	**1.5000e-004**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**0.5523**	**0.5523**	**3.0000e-005**	**0.0000**	**0.5530**

3.8 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1432	0.8937	0.6398	9.5000e-004		0.0594	0.0594		0.0573	0.0573	0.0000	80.7776	80.7776	0.0178	0.0000	81.1504
Total	**0.1432**	**0.8937**	**0.6398**	**9.5000e-004**		**0.0594**	**0.0594**		**0.0573**	**0.0573**	**0.0000**	**80.7776**	**80.7776**	**0.0178**	**0.0000**	**81.1504**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0129	0.0944	0.1597	2.3000e-004	6.1100e-003	1.4100e-003	7.5200e-003	1.7500e-003	1.2900e-003	3.0500e-003	0.0000	20.4229	20.4229	1.6000e-004	0.0000	20.4263
Worker	0.0102	0.0140	0.1375	2.6000e-004	0.0216	2.0000e-004	0.0218	5.7400e-003	1.8000e-004	5.9200e-003	0.0000	19.5753	19.5753	1.1300e-003	0.0000	19.5990
Total	**0.0231**	**0.1085**	**0.2973**	**4.9000e-004**	**0.0277**	**1.6100e-003**	**0.0293**	**7.4900e-003**	**1.4700e-003**	**8.9700e-003**	**0.0000**	**39.9982**	**39.9982**	**1.2900e-003**	**0.0000**	**40.0253**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0851	0.4603	0.6308	9.5000e-004		0.0339	0.0339		0.0339	0.0339	0.0000	80.7775	80.7775	0.0178	0.0000	81.1503
Total	**0.0851**	**0.4603**	**0.6308**	**9.5000e-004**		**0.0339**	**0.0339**		**0.0339**	**0.0339**	**0.0000**	**80.7775**	**80.7775**	**0.0178**	**0.0000**	**81.1503**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0129	0.0944	0.1597	2.3000e-004	5.7200e-003	1.4100e-003	7.1300e-003	1.6600e-003	1.2900e-003	2.9500e-003	0.0000	20.4229	20.4229	1.6000e-004	0.0000	20.4263
Worker	0.0102	0.0140	0.1375	2.6000e-004	0.0199	2.0000e-004	0.0201	5.3300e-003	1.8000e-004	5.5100e-003	0.0000	19.5753	19.5753	1.1300e-003	0.0000	19.5990
Total	**0.0231**	**0.1085**	**0.2973**	**4.9000e-004**	**0.0256**	**1.6100e-003**	**0.0272**	**6.9900e-003**	**1.4700e-003**	**8.4600e-003**	**0.0000**	**39.9982**	**39.9982**	**1.2900e-003**	**0.0000**	**40.0253**

3.8 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3841	2.4842	1.8604	2.8500e-003		0.1593	0.1593		0.1537	0.1537	0.0000	239.9115	239.9115	0.0503	0.0000	240.9686
Total	**0.3841**	**2.4842**	**1.8604**	**2.8500e-003**		**0.1593**	**0.1593**		**0.1537**	**0.1537**	**0.0000**	**239.9115**	**239.9115**	**0.0503**	**0.0000**	**240.9686**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0327	0.2528	0.4356	6.7000e-004	0.0183	3.6300e-003	0.0219	5.2400e-003	3.3400e-003	8.5800e-003	0.0000	59.9635	59.9635	4.6000e-004	0.0000	59.9732
Worker	0.0266	0.0371	0.3599	7.7000e-004	0.0644	5.6000e-004	0.0650	0.0171	5.1000e-004	0.0177	0.0000	56.2583	56.2583	3.0500e-003	0.0000	56.3222
Total	**0.0593**	**0.2899**	**0.7955**	**1.4400e-003**	**0.0827**	**4.1900e-003**	**0.0869**	**0.0224**	**3.8500e-003**	**0.0262**	**0.0000**	**116.2217**	**116.2217**	**3.5100e-003**	**0.0000**	**116.2954**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2303	1.3517	1.8628	2.8500e-003		0.0958	0.0958		0.0958	0.0958	0.0000	239.9112	239.9112	0.0503	0.0000	240.9684
Total	**0.2303**	**1.3517**	**1.8628**	**2.8500e-003**		**0.0958**	**0.0958**		**0.0958**	**0.0958**	**0.0000**	**239.9112**	**239.9112**	**0.0503**	**0.0000**	**240.9684**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0327	0.2528	0.4356	6.7000e-004	0.0171	3.6300e-003	0.0207	4.9500e-003	3.3400e-003	8.2900e-003	0.0000	59.9635	59.9635	4.6000e-004	0.0000	59.9732
Worker	0.0266	0.0371	0.3599	7.7000e-004	0.0594	5.6000e-004	0.0600	0.0159	5.1000e-004	0.0164	0.0000	56.2583	56.2583	3.0500e-003	0.0000	56.3222
Total	**0.0593**	**0.2899**	**0.7955**	**1.4400e-003**	**0.0765**	**4.1900e-003**	**0.0807**	**0.0209**	**3.8500e-003**	**0.0247**	**0.0000**	**116.2217**	**116.2217**	**3.5100e-003**	**0.0000**	**116.2954**

3.9 Trenching - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0500e-003	0.0102	7.7300e-003	1.0000e-005		7.7000e-004	7.7000e-004		7.1000e-004	7.1000e-004	0.0000	0.9486	0.9486	2.9000e-004	0.0000	0.9546
Total	**1.0500e-003**	**0.0102**	**7.7300e-003**	**1.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**0.9486**	**0.9486**	**2.9000e-004**	**0.0000**	**0.9546**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.4400e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2046	0.2046	1.0000e-005	0.0000	0.2048
Total	**1.1000e-004**	**1.5000e-004**	**1.4400e-003**	**0.0000**	**2.3000e-004**	**0.0000**	**2.3000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.2046**	**0.2046**	**1.0000e-005**	**0.0000**	**0.2048**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.8000e-004	7.4700e-003	7.6000e-003	1.0000e-005		5.4000e-004	5.4000e-004		5.1000e-004	5.1000e-004	0.0000	0.9486	0.9486	2.9000e-004	0.0000	0.9546
Total	**5.8000e-004**	**7.4700e-003**	**7.6000e-003**	**1.0000e-005**		**5.4000e-004**	**5.4000e-004**		**5.1000e-004**	**5.1000e-004**	**0.0000**	**0.9486**	**0.9486**	**2.9000e-004**	**0.0000**	**0.9546**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.4400e-003	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2046	0.2046	1.0000e-005	0.0000	0.2048
Total	**1.1000e-004**	**1.5000e-004**	**1.4400e-003**	**0.0000**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.2046**	**0.2046**	**1.0000e-005**	**0.0000**	**0.2048**

3.9 Trenching - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.2700e-003	0.0124	9.9700e-003	1.0000e-005		9.1000e-004	9.1000e-004		8.4000e-004	8.4000e-004	0.0000	1.2134	1.2134	3.7000e-004	0.0000	1.2212
Total	**1.2700e-003**	**0.0124**	**9.9700e-003**	**1.0000e-005**		**9.1000e-004**	**9.1000e-004**		**8.4000e-004**	**8.4000e-004**	**0.0000**	**1.2134**	**1.2134**	**3.7000e-004**	**0.0000**	**1.2212**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.7000e-004	1.6400e-003	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2557	0.2557	1.0000e-005	0.0000	0.2560
Total	**1.2000e-004**	**1.7000e-004**	**1.6400e-003**	**0.0000**	**2.9000e-004**	**0.0000**	**3.0000e-004**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.2557**	**0.2557**	**1.0000e-005**	**0.0000**	**0.2560**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.1000e-004	9.3100e-003	9.8500e-003	1.0000e-005		6.6000e-004	6.6000e-004		6.3000e-004	6.3000e-004	0.0000	1.2134	1.2134	3.7000e-004	0.0000	1.2212
Total	**7.1000e-004**	**9.3100e-003**	**9.8500e-003**	**1.0000e-005**		**6.6000e-004**	**6.6000e-004**		**6.3000e-004**	**6.3000e-004**	**0.0000**	**1.2134**	**1.2134**	**3.7000e-004**	**0.0000**	**1.2212**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.7000e-004	1.6400e-003	0.0000	2.7000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2557	0.2557	1.0000e-005	0.0000	0.2560
Total	**1.2000e-004**	**1.7000e-004**	**1.6400e-003**	**0.0000**	**2.7000e-004**	**0.0000**	**2.7000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2557**	**0.2557**	**1.0000e-005**	**0.0000**	**0.2560**

3.10 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1929					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3100e-003	0.0481	0.0411	7.0000e-005		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003	0.0000	5.6172	5.6172	5.9000e-004	0.0000	5.6296
Total	**0.2002**	**0.0481**	**0.0411**	**7.0000e-005**		**3.8100e-003**	**3.8100e-003**		**3.8100e-003**	**3.8100e-003**	**0.0000**	**5.6172**	**5.6172**	**5.9000e-004**	**0.0000**	**5.6296**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-004	1.2600e-003	0.0122	3.0000e-005	2.1800e-003	2.0000e-005	2.2000e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.9041	1.9041	1.0000e-004	0.0000	1.9063
Total	**9.0000e-004**	**1.2600e-003**	**0.0122**	**3.0000e-005**	**2.1800e-003**	**2.0000e-005**	**2.2000e-003**	**5.8000e-004**	**2.0000e-005**	**6.0000e-004**	**0.0000**	**1.9041**	**1.9041**	**1.0000e-004**	**0.0000**	**1.9063**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1929					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0299	0.0403	7.0000e-005		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	5.6172	5.6172	5.9000e-004	0.0000	5.6296
Total	**0.1942**	**0.0299**	**0.0403**	**7.0000e-005**		**2.0900e-003**	**2.0900e-003**		**2.0900e-003**	**2.0900e-003**	**0.0000**	**5.6172**	**5.6172**	**5.9000e-004**	**0.0000**	**5.6296**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-004	1.2600e-003	0.0122	3.0000e-005	2.0100e-003	2.0000e-005	2.0300e-003	5.4000e-004	2.0000e-005	5.6000e-004	0.0000	1.9041	1.9041	1.0000e-004	0.0000	1.9063
Total	**9.0000e-004**	**1.2600e-003**	**0.0122**	**3.0000e-005**	**2.0100e-003**	**2.0000e-005**	**2.0300e-003**	**5.4000e-004**	**2.0000e-005**	**5.6000e-004**	**0.0000**	**1.9041**	**1.9041**	**1.0000e-004**	**0.0000**	**1.9063**

3.11 Fine Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2700e-003	0.0127	8.6000e-003	1.0000e-005		7.1000e-004	7.1000e-004		6.5000e-004	6.5000e-004	0.0000	1.1029	1.1029	3.4000e-004	0.0000	1.1100
Total	**1.2700e-003**	**0.0127**	**8.6000e-003**	**1.0000e-005**	**0.0000**	**7.1000e-004**	**7.1000e-004**	**0.0000**	**6.5000e-004**	**6.5000e-004**	**0.0000**	**1.1029**	**1.1029**	**3.4000e-004**	**0.0000**	**1.1100**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	8.8000e-004	1.5200e-003	0.0000	6.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2097	0.2097	0.0000	0.0000	0.2097
Worker	3.0000e-005	4.0000e-005	3.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0590	0.0590	0.0000	0.0000	0.0591
Total	**1.4000e-004**	**9.2000e-004**	**1.9000e-003**	**0.0000**	**1.3000e-004**	**1.0000e-005**	**1.5000e-004**	**4.0000e-005**	**1.0000e-005**	**5.0000e-005**	**0.0000**	**0.2687**	**0.2687**	**0.0000**	**0.0000**	**0.2688**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	5.6700e-003	9.0400e-003	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	1.1029	1.1029	3.4000e-004	0.0000	1.1100
Total	**2.9000e-004**	**5.6700e-003**	**9.0400e-003**	**1.0000e-005**	**0.0000**	**2.7000e-004**	**2.7000e-004**	**0.0000**	**2.7000e-004**	**2.7000e-004**	**0.0000**	**1.1029**	**1.1029**	**3.4000e-004**	**0.0000**	**1.1100**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	8.8000e-004	1.5200e-003	0.0000	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2097	0.2097	0.0000	0.0000	0.2097
Worker	3.0000e-005	4.0000e-005	3.8000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0590	0.0590	0.0000	0.0000	0.0591
Total	**1.4000e-004**	**9.2000e-004**	**1.9000e-003**	**0.0000**	**1.2000e-004**	**1.0000e-005**	**1.3000e-004**	**4.0000e-005**	**1.0000e-005**	**5.0000e-005**	**0.0000**	**0.2687**	**0.2687**	**0.0000**	**0.0000**	**0.2688**

3.12 Fine Grading Haul - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	9.4000e-004	2.5000e-003	0.0000	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2028	0.2028	0.0000	0.0000	0.2028
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.5000e-004**	**9.4000e-004**	**2.5000e-003**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**6.0000e-005**	**1.0000e-005**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**0.2028**	**0.2028**	**0.0000**	**0.0000**	**0.2028**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	9.4000e-004	2.5000e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2028	0.2028	0.0000	0.0000	0.2028
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.5000e-004**	**9.4000e-004**	**2.5000e-003**	**0.0000**	**4.0000e-005**	**1.0000e-005**	**5.0000e-005**	**1.0000e-005**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**0.2028**	**0.2028**	**0.0000**	**0.0000**	**0.2028**

3.13 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0700e-003	8.8000e-003	6.8000e-003	1.0000e-005		5.0000e-004	5.0000e-004		4.6000e-004	4.6000e-004	0.0000	0.9049	0.9049	2.8000e-004	0.0000	0.9107
Paving	1.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2000e-003**	**8.8000e-003**	**6.8000e-003**	**1.0000e-005**		**5.0000e-004**	**5.0000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**0.9049**	**0.9049**	**2.8000e-004**	**0.0000**	**0.9107**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	8.8000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1377	0.1377	1.0000e-005	0.0000	0.1379
Total	**6.0000e-005**	**9.0000e-005**	**8.8000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1377**	**0.1377**	**1.0000e-005**	**0.0000**	**0.1379**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.5000e-004	5.6100e-003	7.8000e-003	1.0000e-005		3.4000e-004	3.4000e-004		3.3000e-004	3.3000e-004	0.0000	0.9049	0.9049	2.8000e-004	0.0000	0.9107
Paving	1.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.8000e-004**	**5.6100e-003**	**7.8000e-003**	**1.0000e-005**		**3.4000e-004**	**3.4000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**0.9049**	**0.9049**	**2.8000e-004**	**0.0000**	**0.9107**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	8.8000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1377	0.1377	1.0000e-005	0.0000	0.1379
Total	**6.0000e-005**	**9.0000e-005**	**8.8000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1377**	**0.1377**	**1.0000e-005**	**0.0000**	**0.1379**

3.14 Finishing and Landscaping - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7100e-003	0.0220	0.0222	3.0000e-005		1.1800e-003	1.1800e-003		1.0900e-003	1.0900e-003	0.0000	3.0209	3.0209	9.3000e-004	0.0000	3.0403
Total	**1.7100e-003**	**0.0220**	**0.0222**	**3.0000e-005**		**1.1800e-003**	**1.1800e-003**		**1.0900e-003**	**1.0900e-003**	**0.0000**	**3.0209**	**3.0209**	**9.3000e-004**	**0.0000**	**3.0403**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0000e-004	0.0183	0.0247	3.0000e-005		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	3.0209	3.0209	9.3000e-004	0.0000	3.0403
Total	**8.0000e-004**	**0.0183**	**0.0247**	**3.0000e-005**		**1.2800e-003**	**1.2800e-003**		**1.2800e-003**	**1.2800e-003**	**0.0000**	**3.0209**	**3.0209**	**9.3000e-004**	**0.0000**	**3.0403**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Hotel Project Sonoma Construction HRA Mitigated

Sonoma-San Francisco County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.03	0.37	0.01	0.00	0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.35	0.41	0.00	0.00	0.40	0.38	0.00	0.00	0.00	0.00	0.00	0.00
Demolition_AsphaltHaul	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition_BuildingHaul	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition_Buildings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading	0.70	0.52	-0.04	0.00	0.61	0.58	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Haul	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Finishing and Landscaping	0.53	0.17	-0.11	0.00	-0.08	-0.17	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.33	0.36	-0.13	0.00	0.32	0.28	0.00	0.00	0.00	0.00	0.00	0.00
Rough Grading	0.77	0.59	-0.04	0.00	0.65	0.62	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.80	0.67	0.31	0.00	0.71	0.69	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation Haul	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	0.41	0.25	0.01	0.00	0.29	0.26	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	Tier 3	1	1	No Change	0.00
Cement and Mortar Mixers	Diesel	No Change	0	0	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	0	No Change	0.00
Cranes	Diesel	Tier 4 Final	1	1	No Change	0.00
Excavators	Diesel	No Change	3	3	No Change	0.00
Forklifts	Diesel	Tier 3	1	1	No Change	0.00
Generator Sets	Diesel	Tier 3	1	1	No Change	0.00
Graders	Diesel	Tier 3	1	1	No Change	0.00
Pavers	Diesel	Tier 3	1	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	0	No Change	0.00
Rollers	Diesel	No Change	0	1	No Change	0.00
Rubber Tired Dozers	Diesel	Tier 3	1	1	No Change	0.00
Rubber Tired Loaders	Diesel	Tier 3	2	2	No Change	0.00
Skid Steer Loaders	Diesel	Tier 3	1	1	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	Tier 3	3	3	No Change	0.00
Welders	Diesel	No Change	0	3	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	7.31000E-003	4.80700E-002	4.11000E-002	7.00000E-005	3.81000E-003	3.81000E-003	0.00000E+000	5.61716E+000	5.61716E+000	5.90000E-004	0.00000E+000	5.62961E+000
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	8.66700E-002	1.02841E+000	3.66120E-001	7.30000E-004	4.60700E-002	4.23800E-002	0.00000E+000	6.84077E+001	6.84077E+001	2.08800E-002	0.00000E+000	6.88462E+001
Excavators	4.60000E-003	5.11000E-002	3.98600E-002	6.00000E-005	2.73000E-003	2.51000E-003	0.00000E+000	5.62971E+000	5.62971E+000	1.70000E-003	0.00000E+000	5.66542E+000
Forklifts	2.79700E-002	2.41800E-001	1.62990E-001	2.00000E-004	2.00200E-002	1.84200E-002	0.00000E+000	1.85185E+001	1.85185E+001	5.65000E-003	0.00000E+000	1.86372E+001
Generator Sets	1.01910E-001	7.90660E-001	6.55990E-001	1.14000E-003	5.37900E-002	5.37900E-002	0.00000E+000	9.80635E+001	9.80635E+001	8.20000E-003	0.00000E+000	9.82356E+001

Graders	6.11000E-003	6.22800E-002	2.95700E-002	4.00000E-005	3.50000E-003	3.22000E-003	0.00000E+000	3.53479E+000	3.53479E+000	1.07000E-003	0.00000E+000	3.55718E+000
Pavers	6.10000E-004	6.83000E-003	4.80000E-003	1.00000E-005	3.40000E-004	3.10000E-004	0.00000E+000	7.10010E-001	7.10010E-001	2.20000E-004	0.00000E+000	7.14580E-001
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	4.60000E-004	1.97000E-003	1.99000E-003	0.00000E+000	1.70000E-004	1.60000E-004	0.00000E+000	1.94880E-001	1.94880E-001	6.00000E-005	0.00000E+000	1.96130E-001
Rubber Tired Dozers	6.50000E-003	7.28200E-002	5.50500E-002	5.00000E-005	3.39000E-003	3.12000E-003	0.00000E+000	4.39805E+000	4.39805E+000	1.33000E-003	0.00000E+000	4.42591E+000
Rubber Tired Loaders	1.23100E-002	1.24490E-001	7.81500E-002	1.10000E-004	6.94000E-003	6.39000E-003	0.00000E+000	1.00504E+001	1.00504E+001	3.04000E-003	0.00000E+000	1.01141E+001
Skid Steer Loaders	1.71000E-003	2.19600E-002	2.21800E-002	3.00000E-005	1.18000E-003	1.09000E-003	0.00000E+000	3.02089E+000	3.02089E+000	9.30000E-004	0.00000E+000	3.04033E+000
Tractors/Loaders/Backhoes	4.54000E-002	4.35520E-001	3.36550E-001	4.40000E-004	3.29900E-002	3.03500E-002	0.00000E+000	4.06993E+001	4.06993E+001	1.24100E-002	0.00000E+000	4.09600E+001
Welders	2.68720E-001	9.14050E-001	1.00298E+000	1.33000E-003	6.83700E-002	6.83700E-002	0.00000E+000	9.79688E+001	9.79688E+001	2.18500E-002	0.00000E+000	9.84277E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	1.31000E-003	2.98500E-002	4.03100E-002	7.00000E-005	2.09000E-003	2.09000E-003	0.00000E+000	5.61715E+000	5.61715E+000	5.90000E-004	0.00000E+000	5.62961E+000
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	9.02000E-003	3.91100E-002	3.30910E-001	7.30000E-004	1.20000E-003	1.20000E-003	0.00000E+000	6.84077E+001	6.84077E+001	2.08800E-002	0.00000E+000	6.88461E+001
Excavators	4.60000E-003	5.11000E-002	3.98600E-002	6.00000E-005	2.73000E-003	2.51000E-003	0.00000E+000	5.62970E+000	5.62970E+000	1.70000E-003	0.00000E+000	5.66542E+000
Forklifts	4.90000E-003	1.11930E-001	1.51150E-001	2.00000E-004	7.84000E-003	7.84000E-003	0.00000E+000	1.85185E+001	1.85185E+001	5.65000E-003	0.00000E+000	1.86372E+001
Generator Sets	2.28300E-002	5.21180E-001	7.03780E-001	1.14000E-003	3.65200E-002	3.65200E-002	0.00000E+000	9.80634E+001	9.80634E+001	8.20000E-003	0.00000E+000	9.82355E+001
Graders	9.10000E-004	1.75100E-002	2.79300E-002	4.00000E-005	8.50000E-004	8.50000E-004	0.00000E+000	3.53479E+000	3.53479E+000	1.07000E-003	0.00000E+000	3.55718E+000
Pavers	1.90000E-004	3.64000E-003	5.80000E-003	1.00000E-005	1.80000E-004	1.80000E-004	0.00000E+000	7.10010E-001	7.10010E-001	2.20000E-004	0.00000E+000	7.14580E-001
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	4.60000E-004	1.97000E-003	1.99000E-003	0.00000E+000	1.70000E-004	1.60000E-004	0.00000E+000	1.94880E-001	1.94880E-001	6.00000E-005	0.00000E+000	1.96130E-001
Rubber Tired Dozers	1.13000E-003	2.19100E-002	2.45600E-002	5.00000E-005	8.30000E-004	8.30000E-004	0.00000E+000	4.39804E+000	4.39804E+000	1.33000E-003	0.00000E+000	4.42590E+000
Rubber Tired Loaders	2.64000E-003	5.09700E-002	8.12900E-002	1.10000E-004	2.46000E-003	2.46000E-003	0.00000E+000	1.00503E+001	1.00503E+001	3.04000E-003	0.00000E+000	1.01141E+001
Skid Steer Loaders	8.00000E-004	1.83100E-002	2.47200E-002	3.00000E-005	1.28000E-003	1.28000E-003	0.00000E+000	3.02089E+000	3.02089E+000	9.30000E-004	0.00000E+000	3.04032E+000
Tractors/Loaders/Backhoes	1.06600E-002	2.43290E-001	3.28530E-001	4.40000E-004	1.70500E-002	1.70500E-002	0.00000E+000	4.06992E+001	4.06992E+001	1.24100E-002	0.00000E+000	4.09599E+001
Welders	2.68720E-001	9.14050E-001	1.00298E+000	1.33000E-003	6.83700E-002	6.83700E-002	0.00000E+000	9.79687E+001	9.79687E+001	2.18500E-002	0.00000E+000	9.84276E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	8.20793E-001	3.79031E-001	1.92214E-002	0.00000E+000	4.51444E-001	4.51444E-001	0.00000E+000	1.78026E-006	1.78026E-006	0.00000E+000	0.00000E+000	0.00000E+000
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	8.95927E-001	9.61970E-001	9.61707E-002	0.00000E+000	9.73953E-001	9.71685E-001	0.00000E+000	1.16946E-006	1.16946E-006	0.00000E+000	0.00000E+000	1.16201E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.77629E-006	1.77629E-006	0.00000E+000	0.00000E+000	0.00000E+000
Forklifts	8.24812E-001	5.37097E-001	7.26425E-002	0.00000E+000	6.08392E-001	5.74376E-001	0.00000E+000	1.08000E-006	1.08000E-006	0.00000E+000	0.00000E+000	1.60969E-006
Generator Sets	7.75979E-001	3.40829E-001	-7.28517E-002	0.00000E+000	3.21063E-001	3.21063E-001	0.00000E+000	1.12172E-006	1.12172E-006	0.00000E+000	0.00000E+000	1.11976E-006
Graders	8.51064E-001	7.18850E-001	5.54616E-002	0.00000E+000	7.57143E-001	7.36025E-001	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	6.88525E-001	4.67057E-001	-2.08333E-001	0.00000E+000	4.70588E-001	4.19355E-001	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	8.26154E-001	6.99121E-001	5.53860E-001	0.00000E+000	7.55162E-001	7.33974E-001	0.00000E+000	2.27373E-006	2.27373E-006	0.00000E+000	0.00000E+000	2.25942E-006
Rubber Tired Loaders	7.85540E-001	5.90570E-001	-4.01791E-002	0.00000E+000	6.45533E-001	6.15023E-001	0.00000E+000	9.94990E-007	9.94990E-007	0.00000E+000	0.00000E+000	1.97743E-006
Skid Steer Loaders	5.32164E-001	1.66211E-001	-1.14518E-001	0.00000E+000	-8.47458E-002	-1.74312E-001	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.28912E-006
Tractors/Loaders/Backhoes	7.65198E-001	4.41380E-001	2.38300E-002	0.00000E+000	4.83177E-001	4.38221E-001	0.00000E+000	1.22852E-006	1.22852E-006	0.00000E+000	0.00000E+000	1.22070E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22488E-006	1.22488E-006	0.00000E+000	0.00000E+000	1.11757E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Replace Ground Cover of Area Disturbed	PM10 Reduction	5.00	PM2.5 Reduction	5.00		
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day)	2.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	9.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.08	0.07
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.11	0.03	0.10	0.03	0.07	0.07
Demolition_AsphaltHaul	Fugitive Dust	0.00	0.00	0.00	0.00	0.57	0.58
Demolition_AsphaltHaul	Roads	0.00	0.00	0.00	0.00	0.20	0.00
Demolition_BuildingHaul	Fugitive Dust	0.00	0.00	0.00	0.00	0.57	0.58
Demolition_BuildingHaul	Roads	0.00	0.00	0.00	0.00	0.05	0.09
Demolition_Buildings	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Demolition_Buildings	Roads	0.00	0.00	0.00	0.00	0.07	0.13
Fine Grading	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading	Roads	0.00	0.00	0.00	0.00	0.08	0.00
Fine Grading Haul	Fugitive Dust	0.00	0.00	0.00	0.00	1.00	0.00
Fine Grading Haul	Roads	0.00	0.00	0.00	0.00	0.20	0.00
Finishing and Landscaping	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Finishing and Landscaping	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.06	0.00
Rough Grading	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Rough Grading	Roads	0.00	0.00	0.00	0.00	0.08	0.06
Site Preparation	Fugitive Dust	0.03	0.02	0.01	0.01	0.57	0.57
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.07	0.06
Site Preparation Haul	Fugitive Dust	0.00	0.00	0.00	0.00	0.57	0.57
Site Preparation Haul	Roads	0.01	0.00	0.00	0.00	0.07	0.06
Trenching	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	Roads	0.00	0.00	0.00	0.00	0.08	0.07

Appendix

Appendix B. ISCST3 Model Output Files

Appendix

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Results Summary

Hotel
Construction HRA

Concentration - Source Group: 1

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
ANNUAL		4.86850	ug/m^3	547216.31	4238479.50	25.00	0.00	0.00	

Concentration - Source Group: 2

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
ANNUAL		8.07027	ug/m^3	547420.63	4238181.50	24.00	0.00	0.00	

Concentration - Source Group: ALL

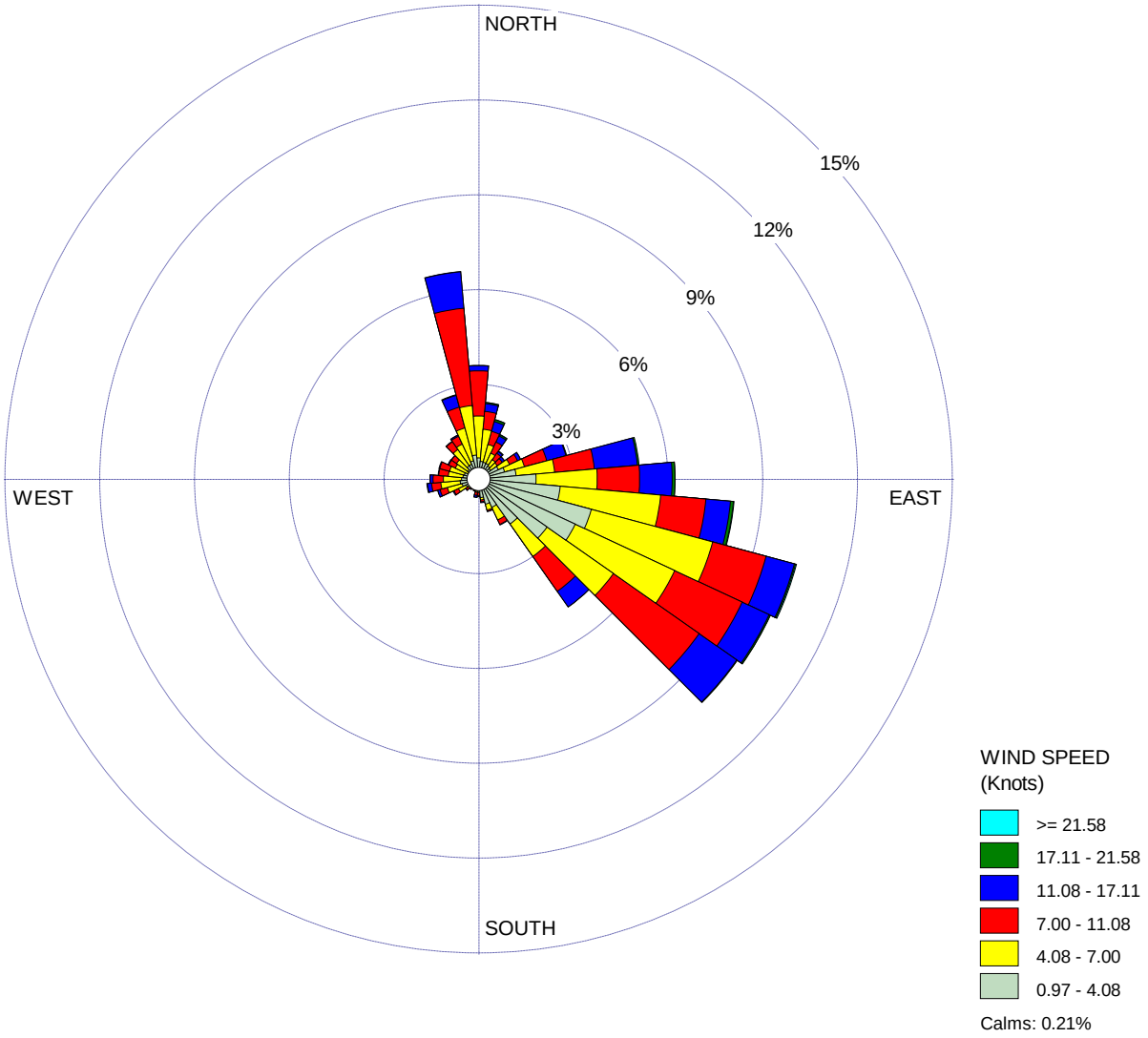
Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
ANNUAL		11.28970	ug/m^3	547420.63	4238181.50	24.00	0.00	0.00	

WIND ROSE PLOT:

Station #9903

DISPLAY:

Wind Speed
Flow Vector (blowing to)



COMMENTS:	DATA PERIOD: **Start Date: 1/1/2003 - 00:00** **End Date: 12/31/2005 - 23:00**	COMPANY NAME:	
		MODELER:	
	CALM WINDS: **0.21%**	TOTAL COUNT: **26304 hrs.**	
	AVG. WIND SPEED: **6.34 Knots**	DATE: **8/17/2015**	PROJECT NO.:

```
**
**************************************
**
** ISCST3 Input Produced by:
** AERMOD View Ver. 8.9.0
** Lakes Environmental Software Inc.
** Date: 8/20/2015
** File: C:\Users\NVermilion\Desktop\HRA\CSON-02.1\B - ISCST3 Model Output Files\cson\cson.INP
**
**************************************
**
**
**************************************
** ISCST3 Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Hotel
   TITLETWO Construction HRA
   MODELOPT DFAULT CONC  URBAN
   AVERTIME ANNUAL
   POLLUTID OTHER
   TERRHGTS ELEV
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL cson.err
CO FINISHED
**
**************************************
** ISCST3 Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION 1            AREAPOLY   547189.902  4238314.022       24.000
** DESCRSRC Onsite
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = 2
** DESCRSRC Offsite (haul)
** PREFIX
** Length of Side = 22.50
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 4.15
** SZINIT = 1.93
** Nodes = 4
** 547222.734, 4238356.991, 24.00, 4.15, 0.00
```

```
** 547224.676, 4238363.369, 24.00, 4.15, 10.47
** 547404.370, 4238339.798, 25.00, 4.15, 10.47
** 547357.525, 4237957.980, 22.29, 4.15, 10.47
** ----------------------------------------------------------------
   LOCATION L0000001     VOLUME   547229.220 4238362.773 24.00
   LOCATION L0000002     VOLUME   547251.529 4238359.846 24.00
   LOCATION L0000003     VOLUME   547273.837 4238356.920 24.00
   LOCATION L0000004     VOLUME   547296.146 4238353.994 24.00
   LOCATION L0000005     VOLUME   547318.455 4238351.068 24.00
   LOCATION L0000006     VOLUME   547340.764 4238348.141 24.04
   LOCATION L0000007     VOLUME   547363.073 4238345.215 24.69
   LOCATION L0000008     VOLUME   547385.382 4238342.289 25.00
   LOCATION L0000009     VOLUME   547403.963 4238336.474 25.00
   LOCATION L0000010     VOLUME   547401.223 4238314.141 25.00
   LOCATION L0000011     VOLUME   547398.483 4238291.809 25.00
   LOCATION L0000012     VOLUME   547395.743 4238269.476 24.70
   LOCATION L0000013     VOLUME   547393.003 4238247.144 24.00
   LOCATION L0000014     VOLUME   547390.263 4238224.811 24.00
   LOCATION L0000015     VOLUME   547387.523 4238202.479 24.00
   LOCATION L0000016     VOLUME   547384.783 4238180.146 24.00
   LOCATION L0000017     VOLUME   547382.043 4238157.814 23.94
   LOCATION L0000018     VOLUME   547379.303 4238135.481 23.89
   LOCATION L0000019     VOLUME   547376.563 4238113.148 23.00
   LOCATION L0000020     VOLUME   547373.823 4238090.816 23.00
   LOCATION L0000021     VOLUME   547371.083 4238068.483 23.00
   LOCATION L0000022     VOLUME   547368.343 4238046.151 23.00
   LOCATION L0000023     VOLUME   547365.603 4238023.818 23.00
   LOCATION L0000024     VOLUME   547362.863 4238001.486 23.00
   LOCATION L0000025     VOLUME   547360.123 4237979.153 22.47
** End of LINE VOLUME Source ID = 2
** Source Parameters **
   SRCPARAM 1            0.000189829     4.150        12     1.930
   AREAVERT 1            547189.902 4238314.022 547205.931 4238311.901
   AREAVERT 1            547200.509 4238268.059 547288.899 4238257.217
   AREAVERT 1            547291.256 4238277.723 547256.136 4238282.673
   AREAVERT 1            547259.436 4238321.093 547228.794 4238324.629
   AREAVERT 1            547231.151 4238348.200 547226.437 4238348.435
   AREAVERT 1            547227.616 4238356.214 547195.559 4238359.985
** LINE VOLUME Source ID = 2
   SRCPARAM L0000001          0.04      4.15     10.47      1.93
   SRCPARAM L0000002          0.04      4.15     10.47      1.93
   SRCPARAM L0000003          0.04      4.15     10.47      1.93
   SRCPARAM L0000004          0.04      4.15     10.47      1.93
   SRCPARAM L0000005          0.04      4.15     10.47      1.93
   SRCPARAM L0000006          0.04      4.15     10.47      1.93
   SRCPARAM L0000007          0.04      4.15     10.47      1.93
   SRCPARAM L0000008          0.04      4.15     10.47      1.93
   SRCPARAM L0000009          0.04      4.15     10.47      1.93
   SRCPARAM L0000010          0.04      4.15     10.47      1.93
   SRCPARAM L0000011          0.04      4.15     10.47      1.93
   SRCPARAM L0000012          0.04      4.15     10.47      1.93
```

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   SRCPARAM L0000013          0.04      4.15     10.47      1.93
   SRCPARAM L0000014          0.04      4.15     10.47      1.93
   SRCPARAM L0000015          0.04      4.15     10.47      1.93
   SRCPARAM L0000016          0.04      4.15     10.47      1.93
   SRCPARAM L0000017          0.04      4.15     10.47      1.93
   SRCPARAM L0000018          0.04      4.15     10.47      1.93
   SRCPARAM L0000019          0.04      4.15     10.47      1.93
   SRCPARAM L0000020          0.04      4.15     10.47      1.93
   SRCPARAM L0000021          0.04      4.15     10.47      1.93
   SRCPARAM L0000022          0.04      4.15     10.47      1.93
   SRCPARAM L0000023          0.04      4.15     10.47      1.93
   SRCPARAM L0000024          0.04      4.15     10.47      1.93
   SRCPARAM L0000025          0.04      4.15     10.47      1.93
** ------------------------------------------------------------------

** Variable Emissions Type: "By Season / Hour / Day (SHRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
** Winter
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT 1            SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT 1            SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT 1            SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT 1            SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT 1            SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000001     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000002     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000003     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000004     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000005     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000006     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000007     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000008     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000009     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000010     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000011     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000012     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000013     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000014     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000015     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000016     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000017     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000018     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000019     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000020     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000021     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000022     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000023     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000024     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000025     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000001     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000002     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000003     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000004     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000005     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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EMISFACT L0000006     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000006     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000007     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000008     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000009     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000010     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000011     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000012     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000013     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000014     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000015     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000016     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000017     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000018     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000019     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000020     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000021     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000022     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000023     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000024     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000025     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000001     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000002     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000003     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000004     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000005     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
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EMISFACT L0000006     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000007     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000008     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000009     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000010     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000011     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000012     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000013     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000014     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000015     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000016     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000017     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000018     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000019     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000019     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000020     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000021     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000022     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000023     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000024     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000025     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000001     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000002     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000003     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000004     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000005     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000006     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000007     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000008     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000009     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000010     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000011     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000012     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000013     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000014     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000015     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000016     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000017     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
EMISFACT L0000018     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
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```
   EMISFACT L0000019     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000020     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000021     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000022     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000023     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000024     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT L0000025     SHRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
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   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000003     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000005     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000009     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000011     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000015     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP 1        1
   SRCGROUP 2        L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
   SRCGROUP 2        L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
   SRCGROUP 2        L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
   SRCGROUP 2        L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
   SRCGROUP 2        L0000025
   SRCGROUP ALL
SO FINISHED
**
**************************************
** ISCST3 Receptor Pathway
**************************************
**
**
RE STARTING
** DESCRREC "" ""
   DISCCART    547261.14   4238136.32   23.02    1.50
   DISCCART    547237.21   4238140.49   23.00    1.50
   DISCCART    547215.70   4238143.61   23.00    1.50
   DISCCART    547195.59   4238147.08   23.00    1.50
   DISCCART    547187.61   4238116.55   23.00    1.50
   DISCCART    547206.68   4238113.08   23.00    1.50
   DISCCART    547228.19   4238111.35   23.00    1.50
   DISCCART    547253.37   4238042.56   23.00    1.50
   DISCCART    547242.64   4238027.31   22.92    1.50
   DISCCART    547203.82   4238019.24   22.95    1.50
   DISCCART    547202.86   4238048.04   23.00    1.50
   DISCCART    547182.21   4238050.44   23.00    1.50
   DISCCART    547173.57   4238020.20   22.12    1.50
   DISCCART    547170.69   4237994.75   22.00    1.50
   DISCCART    547139.96   4237969.31   22.00    1.50
```

DISCCART	547501.79	4238097.47	23.05	1.50
DISCCART	547181.57	4238229.24	23.88	1.50
DISCCART	547181.57	4238205.99	23.05	1.50
DISCCART	547177.28	4238185.97	23.00	1.50
DISCCART	547163.69	4238183.82	23.00	1.50
DISCCART	547147.24	4238186.32	23.00	1.50
DISCCART	547135.43	4238187.75	23.00	1.50
DISCCART	547117.19	4238188.47	23.00	1.50
DISCCART	547101.46	4238193.48	23.00	1.50
DISCCART	547103.96	4238231.75	23.01	1.50
DISCCART	547121.13	4238237.83	23.48	1.50
DISCCART	547146.16	4238234.96	23.95	1.50
DISCCART	547164.76	4238232.82	24.00	1.50
DISCCART	546913.45	4238220.86	23.00	1.50
DISCCART	546913.15	4238234.54	23.00	1.50
DISCCART	546927.13	4238245.18	23.00	1.50
DISCCART	546880.62	4238296.26	23.92	1.50
DISCCART	546878.79	4238279.23	23.00	1.50
DISCCART	546877.27	4238249.44	23.00	1.50
DISCCART	546943.16	4238456.08	24.00	1.50
DISCCART	546947.83	4238498.01	24.89	1.50
DISCCART	546963.82	4238500.54	24.96	1.50
DISCCART	546949.94	4238511.06	24.95	1.50
DISCCART	546952.88	4238539.26	25.00	1.50
DISCCART	546962.98	4238557.35	25.02	1.50
DISCCART	547006.75	4238572.50	25.64	1.50
DISCCART	547018.95	4238569.98	25.87	1.50
DISCCART	547045.89	4238568.71	25.05	1.50
DISCCART	547060.20	4238568.29	25.43	1.50
DISCCART	547075.77	4238570.40	25.92	1.50
DISCCART	547015.59	4238513.58	24.95	1.50
DISCCART	547088.81	4238551.46	25.79	1.50
DISCCART	547104.38	4238552.30	25.78	1.50
DISCCART	547119.53	4238553.98	25.83	1.50
DISCCART	547111.96	4238523.68	25.00	1.50
DISCCART	547086.29	4238523.26	25.00	1.50
DISCCART	547107.75	4238505.59	24.99	1.50
DISCCART	547151.94	4238514.85	25.00	1.50
DISCCART	547150.25	4238529.16	25.00	1.50
DISCCART	547152.36	4238546.41	25.00	1.50
DISCCART	547155.73	4238561.14	25.91	1.50
DISCCART	547179.71	4238513.58	25.00	1.50
DISCCART	547194.02	4238512.32	25.00	1.50
DISCCART	547213.38	4238510.64	25.00	1.50
DISCCART	547239.05	4238507.27	25.00	1.50
DISCCART	547253.78	4238537.99	25.95	1.50
DISCCART	547244.10	4238553.14	26.00	1.50
DISCCART	547220.95	4238522.42	25.06	1.50
DISCCART	547221.38	4238551.88	25.76	1.50
DISCCART	547196.55	4238550.62	25.69	1.50
DISCCART	547178.03	4238552.72	25.82	1.50

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   DISCCART    547196.97   4238523.68   25.00    1.50
   DISCCART    547160.67   4238597.23   26.00    1.50
   DISCCART    547159.24   4238617.62   26.85    1.50
   DISCCART    547174.26   4238640.87   26.84    1.50
   DISCCART    547176.05   4238600.80   26.00    1.50
   DISCCART    547177.84   4238620.83   26.63    1.50
   DISCCART    547200.02   4238641.94   26.90    1.50
   DISCCART    547186.07   4238596.87   26.00    1.50
   DISCCART    547203.59   4238590.07   26.00    1.50
   DISCCART    547218.62   4238586.14   26.00    1.50
   DISCCART    547257.97   4238590.79   26.00    1.50
   DISCCART    547220.05   4238638.36   26.00    1.50
   DISCCART    547258.32   4238634.43   26.00    1.50
   DISCCART    547269.06   4238633.71   26.06    1.50
   DISCCART    547273.35   4238656.25   26.92    1.50
   DISCCART    547328.79   4238615.47   26.86    1.50
   DISCCART    547330.94   4238630.85   26.93    1.50
   DISCCART    547334.16   4238651.96   27.00    1.50
   DISCCART    547002.77   4238046.26   22.00    1.50
   DISCCART    547020.10   4238042.94   22.00    1.50
   DISCCART    547005.35   4238077.24   22.05    1.50
   DISCCART    547393.34   4237955.90   23.00    1.50
   DISCCART    547392.23   4237974.71   23.00    1.50
   DISCCART    547395.55   4237992.42   23.00    1.50
   DISCCART    547578.15   4238244.06   24.00    1.50
   DISCCART    547572.51   4238224.97   24.00    1.50
   DISCCART    547567.73   4238210.22   24.00    1.50
   DISCCART    547562.52   4238189.82   24.00    1.50
   DISCCART    547560.36   4238175.50   24.00    1.50
   DISCCART    547555.15   4238160.75   24.00    1.50
   DISCCART    546941.45   4238334.34   24.00    1.50
   DISCCART    546942.02   4238318.51   24.00    1.50
   DISCCART    547152.95   4238488.72   24.55    1.50
   DISCCART    547173.87   4238487.03   24.93    1.50
   DISCCART    547199.32   4238485.89   24.94    1.50
   DISCCART    547216.29   4238479.67   25.00    1.50
   DISCCART    547229.86   4238479.67   25.00    1.50
   DISCCART    547247.39   4238476.28   25.00    1.50
   DISCCART    547270.01   4238480.81   25.00    1.50
   DISCCART    547270.01   4238502.29   25.00    1.50
   DISCCART    547151.82   4238453.66   24.00    1.50
   DISCCART    547142.21   4238436.70   24.00    1.50
   DISCCART    547240.04   4237989.95   22.00    1.50
   DISCCART    547420.62   4238181.37   24.00    1.50
   DISCCART    547461.48   4238181.37   24.00    1.50
   DISCCART    547261.93   4238159.73   23.06    1.50
   DISCCART    547140.67   4238051.61   22.98    1.50
RE FINISHED
**
**************************************
** ISCST3 Meteorology Pathway
```

```
**************************************
**
**
ME STARTING
   INPUTFIL ..\..\D-METD~1\combined.asc
   ANEMHGHT 10 METERS
   SURFDATA 9903 2003
   UAIRDATA 9903 2003
ME FINISHED
**
**************************************
** ISCST3 Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL cson.IS\AN00GALL.PLT 31
   PLOTFILE ANNUAL 1 cson.IS\AN00G001.PLT 32
   PLOTFILE ANNUAL 2 cson.IS\AN00G002.PLT 33
OU FINISHED


 *** Message Summary For ISC3 Model Setup ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            1 Warning Message(s)
A Total of            0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
RE W282  1527 CHK_EL:RecElev < SrcBase; See non-DFAULT HE>ZI option in  MCB#9

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

CONC URBAN ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

- -

**Intermediate Terrain Processing is Selected

**Model Is Setup For Calculation of Average CONCentration Values.

-- SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION. DDPLETE = F
**Model Uses NO WET DEPLETION. WDPLETE = F
**NO WET SCAVENGING Data Provided.
**NO GAS DRY DEPOSITION Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

**Model Uses URBAN Dispersion.

**Model Uses Regulatory DEFAULT Options:
1. Final Plume Rise.
2. Stack-tip Downwash.
3. Buoyancy-induced Dispersion.
4. Use Calms Processing Routine.
5. Not Use Missing Data Processing Routine.
6. Default Wind Profile Exponents.
7. Default Vertical Potential Temperature Gradients.
8. "Upper Bound" Values for Supersquat Buildings.
9. No Exponential Decay for URBAN/Non-SO2

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

**Model Calculates ANNUAL Averages Only

**This Run Includes: 26 Source(s); 3 Source Group(s); and 113 Receptor(s)

**The Model Assumes A Pollutant Type of: OTHER

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

```
**Misc. Inputs:  Anem. Hgt. (m) =    10.00 ;    Decay Coef. =    0.000     ;    Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =     1.3 MB of RAM.

**Input Runstream File:          cson.INP
**Output Print File:             cson.OUT
**Detailed Error/Message File:   cson.err
```

CONC URBAN ELEV FLGPOL DFAULT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0000001	0	0.40000E-01	547229.2	4238363.0	24.0	4.15	10.47	1.93	SHRDOW
L0000002	0	0.40000E-01	547251.5	4238360.0	24.0	4.15	10.47	1.93	SHRDOW
L0000003	0	0.40000E-01	547273.8	4238357.0	24.0	4.15	10.47	1.93	SHRDOW
L0000004	0	0.40000E-01	547296.1	4238354.0	24.0	4.15	10.47	1.93	SHRDOW
L0000005	0	0.40000E-01	547318.4	4238351.0	24.0	4.15	10.47	1.93	SHRDOW
L0000006	0	0.40000E-01	547340.8	4238348.0	24.0	4.15	10.47	1.93	SHRDOW
L0000007	0	0.40000E-01	547363.1	4238345.0	24.7	4.15	10.47	1.93	SHRDOW
L0000008	0	0.40000E-01	547385.4	4238342.5	25.0	4.15	10.47	1.93	SHRDOW
L0000009	0	0.40000E-01	547403.9	4238336.5	25.0	4.15	10.47	1.93	SHRDOW
L0000010	0	0.40000E-01	547401.2	4238314.0	25.0	4.15	10.47	1.93	SHRDOW
L0000011	0	0.40000E-01	547398.5	4238292.0	25.0	4.15	10.47	1.93	SHRDOW
L0000012	0	0.40000E-01	547395.8	4238269.5	24.7	4.15	10.47	1.93	SHRDOW
L0000013	0	0.40000E-01	547393.0	4238247.0	24.0	4.15	10.47	1.93	SHRDOW
L0000014	0	0.40000E-01	547390.3	4238225.0	24.0	4.15	10.47	1.93	SHRDOW
L0000015	0	0.40000E-01	547387.5	4238202.5	24.0	4.15	10.47	1.93	SHRDOW
L0000016	0	0.40000E-01	547384.8	4238180.0	24.0	4.15	10.47	1.93	SHRDOW
L0000017	0	0.40000E-01	547382.1	4238158.0	23.9	4.15	10.47	1.93	SHRDOW
L0000018	0	0.40000E-01	547379.3	4238135.5	23.9	4.15	10.47	1.93	SHRDOW
L0000019	0	0.40000E-01	547376.6	4238113.0	23.0	4.15	10.47	1.93	SHRDOW
L0000020	0	0.40000E-01	547373.8	4238091.0	23.0	4.15	10.47	1.93	SHRDOW
L0000021	0	0.40000E-01	547371.1	4238068.5	23.0	4.15	10.47	1.93	SHRDOW
L0000022	0	0.40000E-01	547368.3	4238046.0	23.0	4.15	10.47	1.93	SHRDOW
L0000023	0	0.40000E-01	547365.6	4238024.0	23.0	4.15	10.47	1.93	SHRDOW
L0000024	0	0.40000E-01	547362.9	4238001.5	23.0	4.15	10.47	1.93	SHRDOW
L0000025	0	0.40000E-01	547360.1	4237979.0	22.5	4.15	10.47	1.93	SHRDOW

CONC URBAN ELEV FLGPOL DFAULT

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.18983E-03	547189.9	4238314.0	24.0	4.15	12	1.93	SHRDOW

CONC URBAN ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
1	1 ,
2	L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025,
ALL	1 , L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025,

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = 1 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000005 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000007 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000008 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000011 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000012 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000021 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000022 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000023 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = L0000025 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						SEASON = WINTER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = WEEKDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = FALL ;		DAY OF WEEK = SATURDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = WINTER;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SPRING;		DAY OF WEEK = SUNDAY							
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						SEASON = SUMMER;		DAY OF WEEK = SUNDAY							

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

SEASON = FALL ; DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

CONC URBAN ELEV FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(547261.1,	4238136.5,	23.0,	1.5);	(547237.2,	4238140.5,	23.0,	1.5);
(547215.7,	4238143.5,	23.0,	1.5);	(547195.6,	4238147.0,	23.0,	1.5);
(547187.6,	4238116.5,	23.0,	1.5);	(547206.7,	4238113.0,	23.0,	1.5);
(547228.2,	4238111.5,	23.0,	1.5);	(547253.4,	4238042.5,	23.0,	1.5);
(547242.6,	4238027.5,	22.9,	1.5);	(547203.8,	4238019.0,	23.0,	1.5);
(547202.9,	4238048.0,	23.0,	1.5);	(547182.2,	4238050.5,	23.0,	1.5);
(547173.6,	4238020.0,	22.1,	1.5);	(547170.7,	4237995.0,	22.0,	1.5);
(547139.9,	4237969.5,	22.0,	1.5);	(547501.8,	4238097.5,	23.0,	1.5);
(547181.6,	4238229.0,	23.9,	1.5);	(547181.6,	4238206.0,	23.0,	1.5);
(547177.2,	4238186.0,	23.0,	1.5);	(547163.7,	4238184.0,	23.0,	1.5);
(547147.2,	4238186.5,	23.0,	1.5);	(547135.4,	4238188.0,	23.0,	1.5);
(547117.2,	4238188.5,	23.0,	1.5);	(547101.4,	4238193.5,	23.0,	1.5);
(547103.9,	4238232.0,	23.0,	1.5);	(547121.1,	4238238.0,	23.5,	1.5);
(547146.2,	4238235.0,	24.0,	1.5);	(547164.8,	4238233.0,	24.0,	1.5);
(546913.4,	4238221.0,	23.0,	1.5);	(546913.1,	4238234.5,	23.0,	1.5);
(546927.1,	4238245.0,	23.0,	1.5);	(546880.6,	4238296.5,	23.9,	1.5);
(546878.8,	4238279.0,	23.0,	1.5);	(546877.2,	4238249.5,	23.0,	1.5);
(546943.2,	4238456.0,	24.0,	1.5);	(546947.8,	4238498.0,	24.9,	1.5);
(546963.8,	4238500.5,	25.0,	1.5);	(546949.9,	4238511.0,	25.0,	1.5);
(546952.9,	4238539.5,	25.0,	1.5);	(546963.0,	4238557.5,	25.0,	1.5);
(547006.8,	4238572.5,	25.6,	1.5);	(547018.9,	4238570.0,	25.9,	1.5);
(547045.9,	4238568.5,	25.0,	1.5);	(547060.2,	4238568.5,	25.4,	1.5);
(547075.8,	4238570.5,	25.9,	1.5);	(547015.6,	4238513.5,	25.0,	1.5);
(547088.8,	4238551.5,	25.8,	1.5);	(547104.4,	4238552.5,	25.8,	1.5);
(547119.5,	4238554.0,	25.8,	1.5);	(547111.9,	4238523.5,	25.0,	1.5);
(547086.3,	4238523.5,	25.0,	1.5);	(547107.8,	4238505.5,	25.0,	1.5);
(547151.9,	4238515.0,	25.0,	1.5);	(547150.2,	4238529.0,	25.0,	1.5);
(547152.4,	4238546.5,	25.0,	1.5);	(547155.8,	4238561.0,	25.9,	1.5);
(547179.7,	4238513.5,	25.0,	1.5);	(547194.0,	4238512.5,	25.0,	1.5);
(547213.4,	4238510.5,	25.0,	1.5);	(547239.1,	4238507.5,	25.0,	1.5);
(547253.8,	4238538.0,	26.0,	1.5);	(547244.1,	4238553.0,	26.0,	1.5);
(547220.9,	4238522.5,	25.1,	1.5);	(547221.4,	4238552.0,	25.8,	1.5);
(547196.6,	4238550.5,	25.7,	1.5);	(547178.0,	4238552.5,	25.8,	1.5);
(547197.0,	4238523.5,	25.0,	1.5);	(547160.7,	4238597.0,	26.0,	1.5);
(547159.2,	4238617.5,	26.9,	1.5);	(547174.3,	4238641.0,	26.8,	1.5);
(547176.1,	4238601.0,	26.0,	1.5);	(547177.8,	4238621.0,	26.6,	1.5);
(547200.0,	4238642.0,	26.9,	1.5);	(547186.1,	4238597.0,	26.0,	1.5);
(547203.6,	4238590.0,	26.0,	1.5);	(547218.6,	4238586.0,	26.0,	1.5);
(547258.0,	4238591.0,	26.0,	1.5);	(547220.1,	4238638.5,	26.0,	1.5);
(547258.3,	4238634.5,	26.0,	1.5);	(547269.1,	4238633.5,	26.1,	1.5);
(547273.4,	4238656.5,	26.9,	1.5);	(547328.8,	4238615.5,	26.9,	1.5);

```
( 547330.9, 4238631.0,      26.9,       1.5);         ( 547334.2, 4238652.0,      27.0,       1.5);
( 547002.8, 4238046.5,      22.0,       1.5);         ( 547020.1, 4238043.0,      22.0,       1.5);
( 547005.4, 4238077.0,      22.0,       1.5);         ( 547393.3, 4237956.0,      23.0,       1.5);
( 547392.2, 4237974.5,      23.0,       1.5);         ( 547395.6, 4237992.5,      23.0,       1.5);
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CONC URBAN ELEV FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(547578.1,	4238244.0,	24.0,	1.5);	(547572.5,	4238225.0,	24.0,	1.5);
(547567.8,	4238210.0,	24.0,	1.5);	(547562.5,	4238190.0,	24.0,	1.5);
(547560.4,	4238175.5,	24.0,	1.5);	(547555.1,	4238161.0,	24.0,	1.5);
(546941.4,	4238334.5,	24.0,	1.5);	(546942.0,	4238318.5,	24.0,	1.5);
(547152.9,	4238488.5,	24.5,	1.5);	(547173.9,	4238487.0,	24.9,	1.5);
(547199.3,	4238486.0,	24.9,	1.5);	(547216.3,	4238479.5,	25.0,	1.5);
(547229.9,	4238479.5,	25.0,	1.5);	(547247.4,	4238476.5,	25.0,	1.5);
(547270.0,	4238481.0,	25.0,	1.5);	(547270.0,	4238502.5,	25.0,	1.5);
(547151.8,	4238453.5,	24.0,	1.5);	(547142.2,	4238436.5,	24.0,	1.5);
(547240.1,	4237990.0,	22.0,	1.5);	(547420.6,	4238181.5,	24.0,	1.5);
(547461.5,	4238181.5,	24.0,	1.5);	(547261.9,	4238159.5,	23.1,	1.5);
(547140.7,	4238051.5,	23.0,	1.5);				

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54,   3.09,   5.14,   8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
B	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
C	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00
D	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00
E	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00
F	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

CONC URBAN ELEV FLGPOL DFAULT

*** THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

FILE: ..\..\D-METD~1\combined.asc
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 9903 UPPER AIR STATION NO.: 9903
NAME: UNKNOWN NAME: UNKNOWN
YEAR: 2003 YEAR: 2003

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
03	01	01	01	133.1	2.46	277.3	4	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	02	119.0	1.70	276.4	5	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	03	348.3	1.07	277.2	6	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	04	95.5	1.48	276.4	6	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	05	114.8	2.15	275.4	5	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	06	134.6	2.01	275.8	5	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	07	123.2	2.19	275.8	5	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	08	105.3	1.39	276.0	6	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	09	149.6	1.00	277.2	5	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	10	247.9	1.00	279.7	4	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	11	310.2	1.00	282.0	3	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	12	320.8	1.65	283.6	2	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	13	335.2	2.10	284.6	2	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	14	9.0	2.32	284.5	3	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	15	341.5	2.32	284.9	4	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	16	328.8	2.41	284.5	4	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	17	309.9	2.46	284.2	4	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	18	273.2	2.10	283.4	4	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	19	247.2	1.16	282.7	5	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	20	302.4	1.56	281.8	6	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	21	264.6	1.16	281.9	6	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	22	291.5	3.13	282.3	5	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	23	221.5	1.34	281.8	6	300.0	300.0	0.0000	0.0	0.0000	0	0.00
03	01	01	24	285.7	2.32	281.9	5	300.0	300.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC URBAN ELEV FLGPOL DFAULT

*** THE ANNUAL (3 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1 ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
547261.13	4238136.50	0.68837	547237.19	4238140.50	0.57983
547215.69	4238143.50	0.54010	547195.56	4238147.00	0.54469
547187.63	4238116.50	0.40066	547206.69	4238113.00	0.38706
547228.19	4238111.50	0.38867	547253.38	4238042.50	0.22606
547242.62	4238027.50	0.18809	547203.81	4238019.00	0.17824
547202.88	4238048.00	0.22141	547182.19	4238050.50	0.23682
547173.56	4238020.00	0.19392	547170.69	4237995.00	0.16656
547139.94	4237969.50	0.14109	547501.81	4238097.50	1.28750
547181.56	4238229.00	1.99972	547181.56	4238206.00	1.17359
547177.25	4238186.00	0.80887	547163.69	4238184.00	0.70929
547147.25	4238186.50	0.66961	547135.44	4238188.00	0.66900
547117.19	4238188.50	0.67556	547101.44	4238193.50	0.75287
547103.94	4238232.00	1.57632	547121.13	4238238.00	1.93284
547146.19	4238235.00	2.06887	547164.75	4238233.00	2.09011
546913.44	4238221.00	0.52781	546913.12	4238234.50	0.55431
546927.12	4238245.00	0.61519	546880.62	4238296.50	0.47624
546878.81	4238279.00	0.48458	546877.25	4238249.50	0.47852
546943.19	4238456.00	0.48921	546947.81	4238498.00	0.44159
546963.81	4238500.50	0.48296	546949.94	4238511.00	0.43558
546952.88	4238539.50	0.42825	546963.00	4238557.50	0.44905
547006.75	4238572.50	0.58022	547018.94	4238570.00	0.63103
547045.88	4238568.50	0.76038	547060.19	4238568.50	0.84736
547075.75	4238570.50	0.96326	547015.56	4238513.50	0.69000
547088.81	4238551.50	1.14763	547104.38	4238552.50	1.35267
547119.50	4238554.00	1.60141	547111.94	4238523.50	1.60871
547086.31	4238523.50	1.21490	547107.75	4238505.50	1.62069
547151.94	4238515.00	2.77915	547150.25	4238529.00	2.52637
547152.38	4238546.50	2.34389	547155.75	4238561.00	2.21847
547179.69	4238513.50	3.58339	547194.00	4238512.50	3.74208
547213.38	4238510.50	3.59377	547239.06	4238507.50	3.01188
547253.75	4238538.00	2.03525	547244.13	4238553.00	1.98008
547220.94	4238522.50	3.06097	547221.38	4238552.00	2.37852
547196.56	4238550.50	2.69217	547178.00	4238552.50	2.62917
547197.00	4238523.50	3.37886	547160.69	4238597.00	1.85373
547159.25	4238617.50	1.64406	547174.25	4238641.00	1.48472
547176.06	4238601.00	1.88685	547177.81	4238621.00	1.67057
547200.00	4238642.00	1.42061	547186.06	4238597.00	1.94269

547203.56	4238590.00	1.96251	547218.62	4238586.00	1.87660
547258.00	4238591.00	1.36575	547220.06	4238638.50	1.32586
547258.31	4238634.50	1.05742	547269.06	4238633.50	0.98635

CONC URBAN ELEV FLGPOL DFAULT

*** THE ANNUAL (3 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 1 ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
547273.38	4238656.50	0.85180	547328.81	4238615.50	0.71087
547330.94	4238631.00	0.65683	547334.19	4238652.00	0.59138
547002.75	4238046.50	0.10723	547020.12	4238043.00	0.10136
547005.38	4238077.00	0.15248	547393.31	4237956.00	0.27996
547392.25	4237974.50	0.32337	547395.56	4237992.50	0.38355
547578.13	4238244.00	1.13338	547572.50	4238225.00	1.24761
547567.75	4238210.00	1.32921	547562.50	4238190.00	1.39777
547560.38	4238175.50	1.40522	547555.12	4238161.00	1.41089
546941.44	4238334.50	0.60595	546942.00	4238318.50	0.64363
547152.94	4238488.50	3.25957	547173.88	4238487.00	4.28980
547199.31	4238486.00	4.85723	547216.31	4238479.50	4.86850
547229.88	4238479.50	4.34570	547247.38	4238476.50	3.71439
547270.00	4238481.00	2.70328	547270.00	4238502.50	2.27034
547151.81	4238453.50	3.86151	547142.19	4238436.50	3.52741
547240.06	4237990.00	0.14127	547420.62	4238181.50	3.21944
547461.50	4238181.50	2.53442	547261.94	4238159.50	1.00729
547140.69	4238051.50	0.20986			

CONC URBAN ELEV FLGPOL DFAULT

*** THE ANNUAL (3 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2 ***
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
547261.13	4238136.50	1.36946	547237.19	4238140.50	1.06334
547215.69	4238143.50	0.87931	547195.56	4238147.00	0.75402
547187.63	4238116.50	0.66795	547206.69	4238113.00	0.76563
547228.19	4238111.50	0.91744	547253.38	4238042.50	0.95897
547242.62	4238027.50	0.79938	547203.81	4238019.00	0.55378
547202.88	4238048.00	0.61909	547182.19	4238050.50	0.53921
547173.56	4238020.00	0.45180	547170.69	4237995.00	0.39645
547139.94	4237969.50	0.29684	547501.81	4238097.50	2.61599
547181.56	4238229.00	0.81545	547181.56	4238206.00	0.76542
547177.25	4238186.00	0.71253	547163.69	4238184.00	0.64871
547147.25	4238186.50	0.58957	547135.44	4238188.00	0.55328
547117.19	4238188.50	0.50405	547101.44	4238193.50	0.47428
547103.94	4238232.00	0.53891	547121.13	4238238.00	0.59692
547146.19	4238235.00	0.67091	547164.75	4238233.00	0.74141
546913.44	4238221.00	0.25230	546913.12	4238234.50	0.25674
546927.12	4238245.00	0.27355	546880.62	4238296.50	0.23509
546878.81	4238279.00	0.23382	546877.25	4238249.50	0.23000
546943.19	4238456.00	0.24134	546947.81	4238498.00	0.23776
546963.81	4238500.50	0.25382	546949.94	4238511.00	0.23569
546952.88	4238539.50	0.22747	546963.00	4238557.50	0.22949
547006.75	4238572.50	0.27211	547018.94	4238570.00	0.29009
547045.88	4238568.50	0.33515	547060.19	4238568.50	0.36409
547075.75	4238570.50	0.39928	547015.56	4238513.50	0.31397
547088.81	4238551.50	0.44887	547104.38	4238552.50	0.49980
547119.50	4238554.00	0.55854	547111.94	4238523.50	0.55931
547086.31	4238523.50	0.46356	547107.75	4238505.50	0.56187
547151.94	4238515.00	0.81309	547150.25	4238529.00	0.76943
547152.38	4238546.50	0.74738	547155.75	4238561.00	0.73972
547179.69	4238513.50	1.08243	547194.00	4238512.50	1.25080
547213.38	4238510.50	1.49355	547239.06	4238507.50	1.79366
547253.75	4238538.00	1.57231	547244.13	4238553.00	1.38827
547220.94	4238522.50	1.46659	547221.38	4238552.00	1.25074
547196.56	4238550.50	1.07097	547178.00	4238552.50	0.91721
547197.00	4238523.50	1.21715	547160.69	4238597.00	0.69231
547159.25	4238617.50	0.64646	547174.25	4238641.00	0.66403

547176.06	4238601.00	0.76234	547177.81	4238621.00	0.72251
547200.00	4238642.00	0.76243	547186.06	4238597.00	0.82643
547203.56	4238590.00	0.94671	547218.62	4238586.00	1.04586
547258.00	4238591.00	1.19200	547220.06	4238638.50	0.84566
547258.31	4238634.50	0.97304	547269.06	4238633.50	0.99966

CONC URBAN ELEV FLGPOL DFAULT

*** THE ANNUAL (3 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 2 ***
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
547273.38	4238656.50	0.90909	547328.81	4238615.50	1.11165
547330.94	4238631.00	1.02037	547334.19	4238652.00	0.91144
547002.75	4238046.50	0.22990	547020.12	4238043.00	0.24105
547005.38	4238077.00	0.24931	547393.31	4237956.00	3.14489
547392.25	4237974.50	5.19449	547395.56	4237992.50	6.06820
547578.13	4238244.00	1.89600	547572.50	4238225.00	2.00566
547567.75	4238210.00	2.07142	547562.50	4238190.00	2.11410
547560.38	4238175.50	2.10592	547555.12	4238161.00	2.12875
546941.44	4238334.50	0.29370	546942.00	4238318.50	0.29945
547152.94	4238488.50	0.88521	547173.88	4238487.00	1.13057
547199.31	4238486.00	1.52173	547216.31	4238479.50	1.88135
547229.88	4238479.50	2.09439	547247.38	4238476.50	2.37588
547270.00	4238481.00	2.48772	547270.00	4238502.50	2.09984
547151.81	4238453.50	0.96636	547142.19	4238436.50	0.90969
547240.06	4237990.00	0.61315	547420.62	4238181.50	8.07027
547461.50	4238181.50	4.60016	547261.94	4238159.50	1.43987
547140.69	4238051.50	0.41976			

CONC URBAN ELEV FLGPOL DFAULT

*** THE ANNUAL (3 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 , L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
547261.13	4238136.50	2.05783	547237.19	4238140.50	1.64317
547215.69	4238143.50	1.41941	547195.56	4238147.00	1.29871
547187.63	4238116.50	1.06861	547206.69	4238113.00	1.15268
547228.19	4238111.50	1.30611	547253.38	4238042.50	1.18503
547242.62	4238027.50	0.98747	547203.81	4238019.00	0.73202
547202.88	4238048.00	0.84050	547182.19	4238050.50	0.77604
547173.56	4238020.00	0.64571	547170.69	4237995.00	0.56301
547139.94	4237969.50	0.43792	547501.81	4238097.50	3.90347
547181.56	4238229.00	2.81516	547181.56	4238206.00	1.93900
547177.25	4238186.00	1.52140	547163.69	4238184.00	1.35800
547147.25	4238186.50	1.25918	547135.44	4238188.00	1.22227
547117.19	4238188.50	1.17960	547101.44	4238193.50	1.22714
547103.94	4238232.00	2.11522	547121.13	4238238.00	2.52975
547146.19	4238235.00	2.73977	547164.75	4238233.00	2.83151
546913.44	4238221.00	0.78010	546913.12	4238234.50	0.81105
546927.12	4238245.00	0.88873	546880.62	4238296.50	0.71133
546878.81	4238279.00	0.71840	546877.25	4238249.50	0.70852
546943.19	4238456.00	0.73054	546947.81	4238498.00	0.67934
546963.81	4238500.50	0.73678	546949.94	4238511.00	0.67126
546952.88	4238539.50	0.65572	546963.00	4238557.50	0.67854
547006.75	4238572.50	0.85233	547018.94	4238570.00	0.92111
547045.88	4238568.50	1.09552	547060.19	4238568.50	1.21144
547075.75	4238570.50	1.36253	547015.56	4238513.50	1.00397
547088.81	4238551.50	1.59649	547104.38	4238552.50	1.85245
547119.50	4238554.00	2.15993	547111.94	4238523.50	2.16801
547086.31	4238523.50	1.67845	547107.75	4238505.50	2.18254
547151.94	4238515.00	3.59222	547150.25	4238529.00	3.29578
547152.38	4238546.50	3.09125	547155.75	4238561.00	2.95818
547179.69	4238513.50	4.66579	547194.00	4238512.50	4.99286
547213.38	4238510.50	5.08729	547239.06	4238507.50	4.80554
547253.75	4238538.00	3.60756	547244.13	4238553.00	3.36835
547220.94	4238522.50	4.52754	547221.38	4238552.00	3.62925
547196.56	4238550.50	3.76313	547178.00	4238552.50	3.54637
547197.00	4238523.50	4.59598	547160.69	4238597.00	2.54603
547159.25	4238617.50	2.29051	547174.25	4238641.00	2.14875

547176.06	4238601.00	2.64918	547177.81	4238621.00	2.39307
547200.00	4238642.00	2.18303	547186.06	4238597.00	2.76912
547203.56	4238590.00	2.90921	547218.62	4238586.00	2.92246
547258.00	4238591.00	2.55775	547220.06	4238638.50	2.17151
547258.31	4238634.50	2.03046	547269.06	4238633.50	1.98601

CONC URBAN ELEV FLGPOL DFAULT

*** THE ANNUAL (3 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 , L0000001, L0000002, L0000003, L0000004, L0000005, L0000006,
L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018,
L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
547273.38	4238656.50	1.76088	547328.81	4238615.50	1.82252
547330.94	4238631.00	1.67720	547334.19	4238652.00	1.50282
547002.75	4238046.50	0.33713	547020.12	4238043.00	0.34241
547005.38	4238077.00	0.40179	547393.31	4237956.00	3.42485
547392.25	4237974.50	5.51786	547395.56	4237992.50	6.45175
547578.13	4238244.00	3.02938	547572.50	4238225.00	3.25326
547567.75	4238210.00	3.40062	547562.50	4238190.00	3.51186
547560.38	4238175.50	3.51113	547555.12	4238161.00	3.53963
546941.44	4238334.50	0.89965	546942.00	4238318.50	0.94308
547152.94	4238488.50	4.14477	547173.88	4238487.00	5.42035
547199.31	4238486.00	6.37892	547216.31	4238479.50	6.74982
547229.88	4238479.50	6.44005	547247.38	4238476.50	6.09026
547270.00	4238481.00	5.19099	547270.00	4238502.50	4.37018
547151.81	4238453.50	4.82784	547142.19	4238436.50	4.43706
547240.06	4237990.00	0.75442	547420.62	4238181.50	11.28970
547461.50	4238181.50	7.13456	547261.94	4238159.50	2.44716
547140.69	4238051.50	0.62962			

CONC URBAN ELEV FLGPOL DFAULT

*** THE SUMMARY OF MAXIMUM ANNUAL (3 YRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
1	1ST HIGHEST VALUE IS	4.86850	AT (547216.31, 4238479.50, 25.00, 1.50)	DC	NA
	2ND HIGHEST VALUE IS	4.85723	AT (547199.31, 4238486.00, 24.94, 1.50)	DC	NA
	3RD HIGHEST VALUE IS	4.34570	AT (547229.88, 4238479.50, 25.00, 1.50)	DC	NA
	4TH HIGHEST VALUE IS	4.28980	AT (547173.88, 4238487.00, 24.93, 1.50)	DC	NA
	5TH HIGHEST VALUE IS	3.86151	AT (547151.81, 4238453.50, 24.00, 1.50)	DC	NA
	6TH HIGHEST VALUE IS	3.74208	AT (547194.00, 4238512.50, 25.00, 1.50)	DC	NA
	7TH HIGHEST VALUE IS	3.71439	AT (547247.38, 4238476.50, 25.00, 1.50)	DC	NA
	8TH HIGHEST VALUE IS	3.59377	AT (547213.38, 4238510.50, 25.00, 1.50)	DC	NA
	9TH HIGHEST VALUE IS	3.58339	AT (547179.69, 4238513.50, 25.00, 1.50)	DC	NA
	10TH HIGHEST VALUE IS	3.52741	AT (547142.19, 4238436.50, 24.00, 1.50)	DC	NA
2	1ST HIGHEST VALUE IS	8.07027	AT (547420.62, 4238181.50, 24.00, 1.50)	DC	NA
	2ND HIGHEST VALUE IS	6.06820	AT (547395.56, 4237992.50, 23.00, 1.50)	DC	NA
	3RD HIGHEST VALUE IS	5.19449	AT (547392.25, 4237974.50, 23.00, 1.50)	DC	NA
	4TH HIGHEST VALUE IS	4.60016	AT (547461.50, 4238181.50, 24.00, 1.50)	DC	NA
	5TH HIGHEST VALUE IS	3.14489	AT (547393.31, 4237956.00, 23.00, 1.50)	DC	NA
	6TH HIGHEST VALUE IS	2.61599	AT (547501.81, 4238097.50, 23.05, 1.50)	DC	NA
	7TH HIGHEST VALUE IS	2.48772	AT (547270.00, 4238481.00, 25.00, 1.50)	DC	NA
	8TH HIGHEST VALUE IS	2.37588	AT (547247.38, 4238476.50, 25.00, 1.50)	DC	NA
	9TH HIGHEST VALUE IS	2.12875	AT (547555.12, 4238161.00, 24.00, 1.50)	DC	NA
	10TH HIGHEST VALUE IS	2.11410	AT (547562.50, 4238190.00, 24.00, 1.50)	DC	NA
ALL	1ST HIGHEST VALUE IS	11.28970	AT (547420.62, 4238181.50, 24.00, 1.50)	DC	NA
	2ND HIGHEST VALUE IS	7.13456	AT (547461.50, 4238181.50, 24.00, 1.50)	DC	NA
	3RD HIGHEST VALUE IS	6.74982	AT (547216.31, 4238479.50, 25.00, 1.50)	DC	NA
	4TH HIGHEST VALUE IS	6.45175	AT (547395.56, 4237992.50, 23.00, 1.50)	DC	NA
	5TH HIGHEST VALUE IS	6.44005	AT (547229.88, 4238479.50, 25.00, 1.50)	DC	NA
	6TH HIGHEST VALUE IS	6.37892	AT (547199.31, 4238486.00, 24.94, 1.50)	DC	NA
	7TH HIGHEST VALUE IS	6.09026	AT (547247.38, 4238476.50, 25.00, 1.50)	DC	NA
	8TH HIGHEST VALUE IS	5.51786	AT (547392.25, 4237974.50, 23.00, 1.50)	DC	NA
	9TH HIGHEST VALUE IS	5.42035	AT (547173.88, 4238487.00, 24.93, 1.50)	DC	NA
	10TH HIGHEST VALUE IS	5.19099	AT (547270.00, 4238481.00, 25.00, 1.50)	DC	NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART

DP = DISCPOLR
BD = BOUNDARY

CONC URBAN ELEV FLGPOL DFAULT

*** Message Summary : ISCST3 Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 55 Informational Message(s)

A Total of 55 Calm Hours Identified

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
RE W282 1527 CHK_EL:RecElev < SrcBase; See non-DFAULT HE>ZI option in MCB#9

****
*** ISCST3 Finishes Successfully ***
****

Appendix

Appendix C. Risk Calculation Worksheets

Appendix

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Table C1
MER Concentrations

Residential Receptors - Unmitigated				
Emission Source	ISCST3 Output ($\mu g/m^3$)	Pollutant	Emission Rates [1] (g/s)	MER Concentrations ($\mu g/m^3$)
(a)	(b)	(c)	(d)	(f)
	Annual Average		Average Daily	Annual Average
2016 Onsite	4.87	DPM	1.85E-02	**9.00E-02**
		$PM_{2.5}$	1.96E-02	**9.53E-02**
2016 Offsite	8.07	DPM	4.94E-05	**3.99E-04**
		$PM_{2.5}$	2.00E-04	**1.62E-03**
2017 Onsite	4.87	DPM	2.02E-02	**9.82E-02**
		$PM_{2.5}$	1.95E-02	**9.47E-02**
2017 Offsite	8.07	DPM	3.45E-05	**2.78E-04**
		$PM_{2.5}$	2.20E-04	**1.78E-03**
Residential Receptors - Mitigation: Tier 3 Engines & Level 3 Diesel Particulate Filters				
2016 Onsite	4.87	DPM	6.57E-03	**3.20E-02**
		$PM_{2.5}$	8.39E-03	**4.09E-02**
2016 Offsite	8.07	DPM	4.94E-05	**3.98E-04**
		$PM_{2.5}$	1.90E-04	**1.53E-03**
2017 Onsite	4.87	DPM	8.18E-03	**3.98E-02**
		$PM_{2.5}$	8.06E-03	**3.93E-02**
2017 Offsite	8.07	DPM	3.45E-05	**2.78E-04**
		$PM_{2.5}$	2.07E-04	**1.67E-03**

MER UTM coordinates: 547420.63E, 4238181.50N

[1] Emission Rates from Emission Rate Calculations (Appendix A - Construction Emissions).

Nursing Care Receptors - Unmitigated				
Emission Source	ISCST3 Output ($\mu g/m^3$)	Pollutant	Emission Rates [1] (g/s)	MER Concentrations ($\mu g/m^3$)
(a)	(b)	(c)	(d)	(f)
	Annual Average		Average Daily	Annual Average
2016 Onsite	0.21	DPM	1.85E-02	**3.88E-03**
		$PM_{2.5}$	1.96E-02	**4.11E-03**
2016 Offsite	0.42	DPM	4.94E-05	**2.07E-05**
		$PM_{2.5}$	2.00E-04	**8.41E-05**
2017 Onsite	0.21	DPM	2.02E-02	**4.23E-03**
		$PM_{2.5}$	1.95E-02	**4.08E-03**
2017 Offsite	0.42	DPM	3.45E-05	**1.45E-05**
		$PM_{2.5}$	2.20E-04	**9.24E-05**
Nursing Care Receptors - Mitigation: Tier 3 Engines & Level 3 Diesel Particulate Filters				
2016 Onsite	0.21	DPM	6.57E-03	**1.38E-03**
		$PM_{2.5}$	8.39E-03	**1.76E-03**
2016 Offsite	0.42	DPM	4.94E-05	**2.07E-05**
		$PM_{2.5}$	1.90E-04	**7.97E-05**
2017 Onsite	0.21	DPM	8.18E-03	**1.72E-03**
		$PM_{2.5}$	8.06E-03	**1.69E-03**
2017 Offsite	0.42	DPM	3.45E-05	**1.45E-05**
		$PM_{2.5}$	2.07E-04	**8.71E-05**

Nursing Care Facility UTM coordinates: 547140.69E, 4238051.50N

[1] Emission Rates from Emission Rate Calculations (Appendix A - Construction Emissions).

Table C1
MER Concentrations

Emission Source (a)	ISCST3 Output ($\mu g/m^3$) (b)	Pollutant (c)	Emission Rates [1] (g/s) (d)	MER Concentrations ($\mu g/m^3$) (f)
	Annual Average		Average Daily	Annual Average
Daycare Receptors - Unmitigated				
2016 Onsite	1.29	DPM	1.85E-02	**2.38E-02**
		$PM_{2.5}$	1.96E-02	**2.52E-02**
2016 Offsite	2.62	DPM	4.94E-05	**1.29E-04**
		$PM_{2.5}$	2.00E-04	**5.24E-04**
2017 Onsite	1.29	DPM	2.02E-02	**2.60E-02**
		$PM_{2.5}$	1.95E-02	**2.50E-02**
2017 Offsite	2.62	DPM	3.45E-05	**9.03E-05**
		$PM_{2.5}$	2.20E-04	**5.76E-04**
Daycare Receptors - Mitigation: Tier 3 Engines & Level 3 Diesel Particulate Filters				
2016 Onsite	1.29	DPM	6.57E-03	**8.46E-03**
		$PM_{2.5}$	8.39E-03	**1.08E-02**
2016 Offsite	2.62	DPM	4.94E-05	**1.29E-04**
		$PM_{2.5}$	1.90E-04	**4.97E-04**
2017 Onsite	1.29	DPM	8.18E-03	**1.05E-02**
		$PM_{2.5}$	8.06E-03	**1.04E-02**
2017 Offsite	2.62	DPM	3.45E-05	**9.02E-05**
		$PM_{2.5}$	2.07E-04	**5.43E-04**

Daycare Facility UTM coordinates: 547420.63E, 4238181.50N

[1] Emission Rates from Emission Rate Calculations (Appendix A - Construction Emissions).

Table C2a
Quantification of Carcinogenic Risks for Residences

	Source	MER Conc. ($\mu g/m^3$)	Weight Fraction	Contaminant	URF $(\mu g/m^3)^{-1}$	CPF $(mg/kg/day)^{-1}$	Dose (by age bin) 3rd Trimester (mg/kg-day)	Dose (by age bin) 0 < 2 years (mg/kg-day)	Dose (by age bin) 2 < 16 years (mg/kg-day)	Dose (by age bin) 16 < 70 years (mg/kg-day)	Carcinogenic Risks (by age bin) 3rd Trimester per million	Carcinogenic Risks (by age bin) 0 < 2 years per million	Carcinogenic Risks (by age bin) 2 < 16 years per million	Carcinogenic Risks (by age bin) 16 < 70 years per million	**Total Risk** per million
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Unmitigated																
2016	On-Site Emissions	9.00E-02	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.1E-05	9.4E-05			0.99	3.03			4.0
	Truck Route	3.99E-04	1.00E+00		3.0E-04	1.1E+00	1.4E-07	4.2E-07			0.0044	0.013			0.018
2017	On-Site Emissions	9.82E-02	1.00E+00		3.0E-04	1.1E+00		1.0E-04				13.0			13.0
	Truck Route	2.78E-04	1.00E+00		3.0E-04	1.1E+00		2.9E-07				0.037			0.037
													Total Cancer Risk		**17**
Mitigated Run: Level 3 Diesel Particulate Filters for equipment 50 HP or greater															
2016	On-Site Emissions	3.20E-02	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.1E-05	3.3E-05			0.35	1.08			1.43
	Truck Route	3.98E-04	1.00E+00		3.0E-04	1.1E+00	1.4E-07	4.2E-07			0.0044	0.013			0.018
2017	On-Site Emissions	3.98E-02	1.00E+00		3.0E-04	1.1E+00		4.2E-05				5.28			5.28
	Truck Route	2.78E-04	1.00E+00		3.0E-04	1.1E+00		2.9E-07				0.037			0.037
													Total Cancer Risk		**6.8**

MER UTM coordinates: 547420.63E, 4238181.50N

		3rd Trimester	0 < 2 years	2 < 16 years	16 < 70 years
	exposure year(s)	2016	2016-2017	n/a	n/a
Dose Exposure Factors:	exposure frequency (days/year)	350	350	350	350
	inhalation rate (L/kg-day) [1]	361	1090	745	290
	inhalation absorption factor	1	1	1	1
Risk Calculation Factors:	age sensitivity factor	10	10	3	1
	averaging time (years)	70	70	70	70
	fraction of time at home	0.85	0.85	0.72	0.73

exposure durations per age bin		exposure durations (year)			
Construction Year	Risk Scalar [2]	3rd Trimester	0 < 2 years	2 < 16 years	16 < 70 years
2016	0.50	0.25	0.25		
2017	0.99		0.99		

[1] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

[2] Residential risk scalars determined for each year of construction to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

Table C2b
Quantification of Carcinogenic Risks for Nursing Facility

	Source	MER Conc. ($\mu g/m^3$)	Weight Fraction	Contaminant	URF $(\mu g/m^3)^{-1}$	CPF $(mg/kg/day)^{-1}$	Dose (by age bin) 16 < 70 years (mg/kg-day)	Carcinogenic Risks (by age bin) 16 < 70 years per million	**Total Risk** per million
		(a)	(b)	(c)	(d)	(e)	(f)	(j)	(n)	(o)
Unmitigated									
2016	On-Site Emissions	3.88E-03	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.1E-06	0.01	0.0
	Truck Route	2.07E-05	1.00E+00		3.0E-04	1.1E+00	5.8E-09	0.000	0.000
2017	On-Site Emissions	4.23E-03	1.00E+00		3.0E-04	1.1E+00	1.2E-06	0.0	0.0
	Truck Route	1.45E-05	1.00E+00		3.0E-04	1.1E+00	4.0E-09	0.000	0.000
								Total Cancer Risk	**0.03**
Mitigated Run: Level 3 Diesel Particulate Filters for equipment 50 HP or greater									
2016	On-Site Emissions	1.38E-03	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.8E-07	0.00	0.00
	Truck Route	2.07E-05	1.00E+00		3.0E-04	1.1E+00	5.8E-09	0.000	0.000
2017	On-Site Emissions	1.72E-03	1.00E+00		3.0E-04	1.1E+00	4.8E-07	0.01	0.01
	Truck Route	1.45E-05	1.00E+00		3.0E-04	1.1E+00	4.0E-09	0.000	0.000
								Total Cancer Risk	**0.01**

Nursing Care Facility UTM coordinates: 547140.69E, 4238051.50N

		16 < 70 years
	exposure year(s)	2016-2017
Dose Exposure Factors:	exposure frequency (days/year)	350
	inhalation rate (L/kg-day) [1]	290
	inhalation absorption factor	1
Risk Calculation Factors:	age sensitivity factor	1
	averaging time (years)	70
	fraction of time at home	1

exposure durations per age bin		exposure durations (year)
Construction Year	Risk Scalar [2]	16 < 70 years
2016	0.50	0.50
2017	0.99	0.99

[1] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

[2] Residential risk scalars determined for each year of construction to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction E

Table C2b
Quantification of Carcinogenic Risks for Daycare Facility-Students

	Source	MER Conc. ($\mu g/m^3$)	Weight Fraction	Contaminant	URF $(\mu g/m^3)^{-1}$	CPF $(mg/kg/day)^{-1}$	Dose (by age bin) 16 < 70 years (mg/kg-day)	Carcinogenic Risks (by age bin) 16 < 70 years per million	**Total Risk** per million
		(a)	(b)	(c)	(d)	(e)	(f)	(j)	(n)	(o)
Unmitigated									
2016	On-Site Emissions	2.38E-02	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.0E-05	0.44	0.4
	Truck Route	1.29E-04	1.00E+00		3.0E-04	1.1E+00	1.1E-07	0.002	0.002
2017	On-Site Emissions	2.60E-02	1.00E+00		3.0E-04	1.1E+00	2.1E-05	1.0	1.0
	Truck Route	9.03E-05	1.00E+00		3.0E-04	1.1E+00	7.5E-08	0.003	0.003
								Total Cancer Risk	**1.41**
Mitigated Run: Level 3 Diesel Particulate Filters for equipment 50 HP or greater									
2016	On-Site Emissions	8.46E-03	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	7.0E-06	0.16	0.16
	Truck Route	1.29E-04	1.00E+00		3.0E-04	1.1E+00	1.1E-07	0.002	0.002
2017	On-Site Emissions	1.05E-02	1.00E+00		3.0E-04	1.1E+00	8.7E-06	0.39	0.39
	Truck Route	9.02E-05	1.00E+00		3.0E-04	1.1E+00	7.4E-08	0.003	0.003
								Total Cancer Risk	**0.55**

Daycare Facility UTM coordinates: 547420.63E, 4238181.50N

		2<9
	exposure year(s)	2016-2017
Dose Exposure Factors:	exposure frequency (days/year)	350
	inhalation rate (L/kg-day) [1]	861
	inhalation absorption factor	1
Risk Calculation Factors:	age sensitivity factor	3
	averaging time (years)	70
	fraction of time at home	1

exposure durations per age bin		exposure durations (year)
Construction Year	Risk Scalar [2]	2<9
2016	0.50	0.50
2017	0.99	0.99

[1] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

[2] Residential risk scalars determined for each year of construction to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction E

Table C3a
Quantification of Non-Carcinogenic Risks
Chronic Hazards for Residences

Source		REL Type	MER Conc. ($\mu g/m^3$)	Weight Fraction	Contaminant	Chronic Hazards / Toxicological Endpoints*								
						REL ($\mu g/m^3$)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
Unmitigated														
2016	On-Site Emissions	Chronic	9.00E-02	1.00E+00	Diesel Particulate	5.0E+00	1.8E-02							
	Truck Route		3.99E-04	1.00E+00		5.0E+00	8.0E-05							
2017	On-Site Emissions		9.82E-02	1.00E+00		5.0E+00	2.0E-02							
	Truck Route		2.78E-04	1.00E+00		5.0E+00	5.6E-05							
TOTAL							3.8E-02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
					Maximum Chronic Hazard		**0.038**							
Mitigated Run: Level 3 Diesel Particulate Filters for equipment 50 HP or greater														
2016	On-Site Emissions	Chronic	3.20E-02	1.00E+00	Diesel Particulate	5.0E+00	6.4E-03							
	Truck Route		3.98E-04	1.00E+00		5.0E+00	8.0E-05							
2017	On-Site Emissions		3.98E-02	1.00E+00		5.0E+00	8.0E-03							
	Truck Route		2.78E-04	1.00E+00		5.0E+00	5.6E-05							
TOTAL							1.4E-02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
					Maximum Chronic Hazard		**0.014**							

* Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
REPRO	Reproductive System
EYES	Eye irritation and/or other effects

Table C3b
Quantification of Non-Carcinogenic Risks
Chronic Hazards for Nursing Facility

Source		REL Type	MER Conc. ($\mu g/m^3$)	Weight Fraction	Contaminant	Chronic Hazards / Toxicological Endpoints*								
						REL ($\mu g/m^3$)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
Unmitigated														
2016	On-Site Emissions	Chronic	3.88E-03	1.00E+00	Diesel Particulate	5.0E+00	7.8E-04							
	Truck Route		2.07E-05	1.00E+00		5.0E+00	4.1E-06							
2017	On-Site Emissions		4.23E-03	1.00E+00		5.0E+00	8.5E-04							
	Truck Route		1.45E-05	1.00E+00		5.0E+00	2.9E-06							
TOTAL							1.6E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
					Maximum Chronic Hazard		**0.002**							
Mitigated Run: Level 3 Diesel Particulate Filters for equipment 50 HP or greater														
2016	On-Site Emissions	Chronic	1.38E-03	1.00E+00	Diesel Particulate	5.0E+00	2.8E-04							
	Truck Route		2.07E-05	1.00E+00		5.0E+00	4.1E-06							
2017	On-Site Emissions		1.72E-03	1.00E+00		5.0E+00	3.4E-04							
	Truck Route		1.45E-05	1.00E+00		5.0E+00	2.9E-06							
TOTAL							6.3E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
					Maximum Chronic Hazard		**0.001**							

* Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
REPRO	Reproductive System
EYES	Eye irritation and/or other effects

Table C3c
Quantification of Non-Carcinogenic Risks
Chronic Hazards for Daycare Facility

Source		REL Type	MER Conc. ($\mu g/m^3$)	Weight Fraction	Contaminant	Chronic Hazards / Toxicological Endpoints*								
						REL ($\mu g/m^3$)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
Unmitigated														
2016	On-Site Emissions	Chronic	2.38E-02	1.00E+00	Diesel Particulate	5.0E+00	4.8E-03							
	Truck Route		1.29E-04	1.00E+00		5.0E+00	2.6E-05							
2017	On-Site Emissions		2.60E-02	1.00E+00		5.0E+00	5.2E-03							
	Truck Route		9.03E-05	1.00E+00		5.0E+00	1.8E-05							
TOTAL							1.0E-02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
					Maximum Chronic Hazard		**0.010**							
Mitigated Run: Level 3 Diesel Particulate Filters for equipment 50 HP or greater														
2016	On-Site Emissions	Chronic	8.46E-03	1.00E+00	Diesel Particulate	5.0E+00	1.7E-03							
	Truck Route		1.29E-04	1.00E+00		5.0E+00	2.6E-05							
2017	On-Site Emissions		1.05E-02	1.00E+00		5.0E+00	2.1E-03							
	Truck Route		9.02E-05	1.00E+00		5.0E+00	1.8E-05							
TOTAL							3.8E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
					Maximum Chronic Hazard		**0.004**							

* Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
REPRO	Reproductive System
EYES	Eye irritation and/or other effects

Table C4a
$PM_{2.5}$ Concentrations-Residences

Contaminant		Source	MER Conc. ($\mu g/m^3$)	Concentration Annual Average ($\mu g/m^3$)
(a)		(b)	(c)	(d)
Unmitigated				
$PM_{2.5}$	2016	On-Site Emissions	9.53E-02	0.10
		Truck Route	1.62E-03	
	2017	On-Site Emissions	9.47E-02	0.10
		Truck Route	1.78E-03	
	Maximum Annual $PM_{2.5}$ Concentration			**0.10**

Mitigated Run: Level 3 DPFs for equipment 50 HP or greater				
$PM_{2.5}$	2016	On-Site Emissions	4.09E-02	0.04
		Truck Route	1.53E-03	
	2017	On-Site Emissions	3.93E-02	0.04
		Truck Route	1.67E-03	
	Maximum Annual $PM_{2.5}$ Concentration			**0.04**

Table C4b
$PM_{2.5}$ Concentrations-Nursing Facility

Contaminant	Source		MER Conc. ($\mu g/m^3$)	Concentration Annual Average ($\mu g/m^3$)
(a)	(b)		(c)	(d)
Unmitigated				
$PM_{2.5}$	2016	On-Site Emissions	4.11E-03	0.00
		Truck Route	8.41E-05	
	2017	On-Site Emissions	4.08E-03	0.00
		Truck Route	9.24E-05	
	Maximum Annual $PM_{2.5}$ Concentration			**0.004**

Mitigated Run: Level 3 DPFs for equipment 50 HP or greater				
$PM_{2.5}$	2016	On-Site Emissions	1.76E-03	0.00
		Truck Route	7.97E-05	
	2017	On-Site Emissions	1.69E-03	0.00
		Truck Route	8.71E-05	
	Maximum Annual $PM_{2.5}$ Concentration			**0.00**

Table C4c
$PM_{2.5}$ Concentrations-Daycare Facility

Contaminant	Source		MER Conc. ($\mu g/m^3$)	Concentration Annual Average ($\mu g/m^3$)
(a)	(b)		(c)	(d)
Unmitigated				
$PM_{2.5}$	2016	On-Site Emissions	2.52E-02	0.03
		Truck Route	5.24E-04	
	2017	On-Site Emissions	2.50E-02	0.03
		Truck Route	5.76E-04	
	Maximum Annual $PM_{2.5}$ Concentration			**0.03**

Mitigated Run: Level 3 DPFs for equipment 50 HP or greater				
$PM_{2.5}$	2016	On-Site Emissions	1.08E-02	0.01
		Truck Route	4.97E-04	
	2017	On-Site Emissions	1.04E-02	0.01
		Truck Route	5.43E-04	
	Maximum Annual $PM_{2.5}$ Concentration			**0.01**