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Air Quality Emissions Technical Memorandum for the Runway 3L-21R Reconstruction at Detroit Metropolitan Wayne County Airport

HNTB was tasked to assist the Wayne County Airport Authority (WCAA) in preparing technical analyses to support the development of a Documented Categorical Exclusion (CatEx) by Synergy Consultants, Inc. This technical memo details the methodologies, assumptions and analysis of aircraft and construction emissions related to the reconstruction of Runway 3L-21R and associated taxiways at Detroit Metropolitan Wayne County Airport (DTW).

1 Aircraft Emissions

Aircraft emissions impacts were modeled for the 2017 Existing Condition, 2020 No Action (Runway 3L-21R would stay open), and 2020 Proposed Action (Runway 3L-21R would be closed for reconstruction) using the Aviation Environmental Design Tool version 2d (AEDT 2d).

1.1 Input

Emissions inputs included the type of the aircraft, operation frequency and timing, flight profiles, runway use, track use, weather, terrain, emission coefficients, fuel coefficients, and types of the Auxiliary Power Units (APU) for each aircraft. The type of the aircraft, operation frequency and timing, runway use, track use, and terrain are discussed in the Noise Model Technical Memorandum (1/16/18). Default parameters were used for flight profiles, weather, emission coefficients, fuel coefficients, and types of the APUs. Taxi-in and taxi-out emissions were calculated based on taxi-in and taxi-out times. The taxi distance from the midpoint between the two terminals to each runway end was estimated, which was subsequently weighted by the number of operations on that runway. The weighted taxi distances of the 2020 No Action and 2020 Proposed Action were compared with the 2017 Existing Condition and adjustment factors were developed. Since the Existing Condition taxi times were available from the Federal Aviation Administration (FAA) Aviation System Performance Metrics (ASPM), the adjustment factors were applied to the 2017 Existing Condition taxi times to estimate the taxi times of the 2020 No Action and 2020 Proposed Action. **Table 1** shows the estimated taxi-in and taxi-out times.

Table 1

Taxi-in and Taxi-out Times

Scenario	Average Taxi-in Time (Minutes)	Average Taxi-Out Time (Minutes)
2017 Existing Condition	8.4	20.5
2020 No Action	8.3	20.3
2020 Proposed Action	8.3	19.3

Sources: FAA ASPM and HNTB Analysis, 2018.

1.2 Output

The AEDT output for emissions includes a breakdown of emissions during aircraft taxi, climb and descent at varying altitudes. Attachment 1 provides the detailed AEDT emissions output for each scenario. **Table 2** summarizes the total fuel usage, distance traveled and duration of operations for the 2017 Existing Condition, 2020 No Action and 2020 Proposed Action. As indicated, there is a slight increase in fuel usage from the 2017 Existing Condition to the 2020 No Action and Proposed Action due to the increased number of large and heavy jet operations. For the same reason, there is a slight decrease in distance traveled (especially climbing distance) and duration from the 2017 Existing Condition to the 2020 No Action and Proposed Action due to large and heavy jet aircraft's superior climb and descend performance than that of piston and regional jet aircraft. The 2020 No Action has slightly higher fuel usage, and duration compared to the 2020 Proposed Action due to the greater average taxi-out time of 20.3 minutes compared to 19.3 minutes, respectively.

Table 2

Fuel Usage, Distance Traveled and Duration of Operations

Scenario	Fuel (short tons)	Distance (miles)	Duration (hours)
2017 Existing Condition	185,659	7,901,414	20,069,440
2020 No Action	188,435	7,833,123	18,754,336
2020 Proposed Action	186,105	7,833,050	18,034,489

Source: AEDT 2d output, January 2018.

Table 3 summarizes the full flight emissions for all operations under the 2017 Existing Condition, 2020 No Action and 2020 Proposed Action. **Attachment 1** provides the complete AEDT emissions output. In general, there is a slight increase in emissions from 2017 Existing Conditions to the 2020 No Action and 2020 Proposed Action, due to the increased number of large and heavy yet operations and greater fuel usage. However, the 2020 No Action emissions are generally higher than the 2020 Proposed Action emissions due to the greater average taxi-out time of 20.3 minutes compared to 19.3 minutes, respectively. These results indicate there would be no impact on aircraft emissions due to the reconstruction of Runway 3L-21R, with emissions likely decreasing during the period of reconstruction.

Table 3

Aircraft Emissions

	Emissions (short tons)						
Scenario	**CO**	**NOx**	**SO_x**	**PM_{10}**	**$PM_{2.5}$**	**VOC**	**CO_2**
2017 Existing Condition	2,014	2,277	217	64	64	282	585,754
2020 No Action	2,010	2,381	221	66	66	287	594,512
2020 Proposed Action	1,958	2,370	218	66	66	281	587,163
Difference (Project-Related)[1]	-52.25	-11.03	-2.73	0.05	0.05	-5.77	-7,349.50

Note: [1] 2020 Proposed Action minus 2020 No Action emissions.

Source: AEDT 2d output, January 2018.

2 Construction Emissions

The Airport Construction Emissions Inventory Tool (ACEIT) was used to screen the project for purposes of determining if a more sophisticated analysis was needed. If the emissions were less than *de minimis* at a screening level, no further emissions work would be warranted.

ACEIT was used to estimate construction emissions for the Runway 3L-21R Reconstruction Project. The project includes reconstruction of Runway 3L-21R, adjacent taxiways, and the 21R deicing pad, and new taxiway areas. The projects occur between April-November 2019 and 2020. The construction emissions model was created using the 15% Design Construction Schedule and Cost Estimate.

2.1 Scenarios

ACEIT requires project activity to be grouped by project Scenario. A Scenario includes the project year, number of months, season (summer/winter), and average weather temperature inputs (average daily temperature, maximum and minimum daily temperature change). Historical weather data from Weather Underground was utilized for temperature inputs. As required to use ACEIT, there are four Scenarios for this project:

- Scenario 1: 2019 April-September (Summer)
- Scenario 2: 2019 October-November (Winter)
- Scenario 3: 2020 April-September (Summer)
- Scenario 4: 2020 October-November (Winter)

2.2 Project Type

Project types, construction activity types, fuel type and equipment are then selected for each scenario. The following summaries the projects which would occur each year and the associated project types, and construction activities selected in the model. A general assumption was made that all equipment would use diesel fuel, and all default equipment for each selected construction activity type selected for the model

- Scenario 1 and 2 (2019): Runway, deicing pad, service road and taxiway reconstruction projects, and earthen berm construction, including the following ACEIT project types, and associated construction activities were used in the model:

- Runway Rehabilitation: (cold milling, concrete demo, concrete placement, asphalt placement, dust control, excavation, grading, hydroseeding, lighting, markings, sealing random cracks, soil erosion/sediment control, subbase placement, topsoil placement)
- Taxiways: (asphalt placement, concrete placement, drainage, dust control, excavation, grading, hydroseeding, lighting, markings, soil erosion/sediment control, subbase placement, topsoil placement)
- Demolition – Concrete (for taxiway and deicing pad rehab): (concrete demolition)
- Demolition – Asphalt (for taxiway rehab): (asphalt demolition)
- Service Road: (asphalt placement, drainage, dust control, excavation, grading, hydroseeding, soil erosion/sediment control, subbase placement, topsoil placement)
- Terminal Apron (for deicing pad rehab): (concrete placement, drainage, dust control, excavation, grading, hydroseeding, lighting, marking, sealing/fuel resistant, soil erosion/sediment control, subbase placement, topsoil placement)
- Noise Barrier (for earthen berm visual barrier): (clearing and grubbing, dust control, excavation, grading, hydroseeding, soil erosion/sediment control)

- Scenario 3 and 4 (2020): Additional taxiway reconstruction projects, including the following ACEIT project types, and associated construction activities were used in the model:
  - Taxiways: (asphalt placement, concrete placement, drainage, dust control, excavation, grading, hydroseeding, lighting, markings, soil erosion/sediment control, subbase placement, topsoil placement)
  - Demolition – Concrete (for taxiway and deicing pad rehab): (concrete demolition)
  - Demolition – Asphalt (for taxiway rehab): (asphalt demolition)

2.3 Overall Size

The ACEIT model requires a minimal set of overall project size and characteristic data to model each scenario. By scenario, each project type requires input of estimated cost ($ Million(s)) and maximum length and width of the project. Cost estimates for each project were taken from the 15% Design Cost Estimate document. The final costs for each project type were scaled up by roughly 25% to reach the estimated total cost of $212 million for the project. Project dimensions were estimated based on input from project designers, including runway reconstruction dimensions, calculations using assumed taxiway widths and estimated project quantities, and rough estimates from 15% project design CAD drawings. The overall project size and characteristic data is utilized in ACEIT to estimate default size details (quantities) for construction activities.

2.4 Size Details

Size details can be modified by the user. While the majority of the ACEIT default size details were left unchanged, quantities associated with asphalt placement were modified. For taxiway and runway reconstruction projects, both asphalt placement and concrete placement are selected construction activities to account for the runway/taxiway surface (concrete) and the shoulder surface (asphalt). Based on the overall size inputs, the model assumes the full area (maximum length and width) of the project is constructed as asphalt and concrete. Quantity estimates for taxiway and runway shoulder areas from the 15% Design Cost Estimate were utilized to modify the asphalt placement size details. Fugitive emissions from asphalt drying makes up the majority of ozone (VOC) emissions for a project, and therefore it is

important that these quantities are not significantly overestimated. The remaining size details were left with the ACEIT default sizes.

2.5 Activity Data

ACEIT calculates default activity data for non-road, on-road and fugitive emission activities based on the defined scenarios and project size details. The default areas for fugitive emission calculations are also based on the overall size input. For this reason, the default areas for asphalt drying were modified to match the modified size detail quantities for asphalt placement. Additionally, ACEIT makes the following assumptions for on-road activity:

- # employees based on the higher of two methods: (1) number of equipment and (2) multiplying the project cost in million by 11
- Average employee travels 30 miles round-trip from home to construction site each-day.
- Average on-road material delivery truck travels 40 miles round-trip

2.6 Output

ACEIT outputs a summary of construction emissions by project year, and details the breakdown of emissions by non-road, on-road and fugitive sources. **Table 4** summarizes the construction emissions. The full ACEIT output is included in **Attachment 2.**

Table 4
Estimated Construction Emissions (tons)

Year	CO	NO_x	SO_2	PM_{10}	$PM_{2.5}$	VOC	CO_2	CH_4	N_2O
2019	46.14	28.47	0.28	12.21	1.23	64.16	17,606.82	1.21	0.25
2020	19.19	10.96	0.13	6.62	0.46	37.72	7,607.84	0.46	0.11

Source: ACEIT output, EPA, *de minimis* emission levels, https://www.epa.gov/general-conformity/de-minimis-tables, HNTB analysis, 2018.

3 General Conformity

DTW is located in Wayne County, Michigan. Wayne County is in attainment for all criteria pollutants, with the exception of sulfur dioxide (partial nonattainment) and carbon monoxide (maintenance). The General Conformity *de minimis* levels for these pollutants are summarized in **Table 5**. While the aircraft emissions were modeled using 2020 operations, the reduction in project related aircraft emissions would occur in 2019, while Runway 3L-21R is closed for reconstruction. As shown in **Table 6**, the *de minimis* thresholds for SO_2 and CO would not be exceeded in either 2019 nor 2020. The decrease in aircraft emissions (related to decreased taxi times during reconstruction) would serve to offset 2019 construction emissions, resulting in emissions savings for sulfur dioxide and carbon monoxide. As such, the General Conformity requirements of the Clean Air Act (CAA) are not applicable and it can be presumed that the emissions would not cause or contribute to a violation of the NAAQS for SO_2 or CO.

Table 5

General Conformity *de minimis* Levels

Pollutant	Tons per year
SO_2	100
CO	100

Source: EPA, *de minimis* emission levels, https://www.epa.gov/general-conformity/de-minimis-tables, January 2018.

Table 6

General Conformity for Aircraft and Construction Emissions (tons)

Year	Emission Type	CO	NO_x	SO_2	PM_{10}	$PM_{2.5}$	VOC	CO_2	CH_4	N_2O
2019	Construction	46.14	28.47	0.28	12.21	1.23	64.16	17,606.82	1.21	0.25
	Project Related Aircraft Emissions[1]	-52.25	-11.03	-2.73	0.05	0.05	-5.77	-7,349.50	--	--
	2019 Total	**-6.11**	**17.44**	**-2.45**	**12.26**	**1.28**	**58.39**	**10,257.32**	**1.21**	**0.25**
2020	Construction	19.19	10.96	0.13	6.62	0.46	37.72	7,607.84	0.46	0.11
	2020 Total	**19.19**	**10.96**	**0.13**	**6.62**	**0.46**	**37.72**	**7,607.84**	**0.46**	**0.11**
De minimis Levels		*100*	--	*100*	--	--	--	--	--	--
Exceeds de minimis?		*No*	--	*No*	--	--	--	--	--	--

Note: [1] 2020 Proposed Action minus 2020 No Action emissions (Summarized in Table 3).

Source: ACEIT output, EPA, *de minimis* emission levels, https://www.epa.gov/general-conformity/de-minimis-tables, HNTB analysis, 2018.

Attachment 1:
AEDT Model Output

Table 1-1

Detailed AEDT Emission Analysis Output (Short Tons) - 2017 Existing Condition

Mode	Fuel	CO	HC	TOG	VOC	NMHC	NOx	CO_2	H_2O	SOx	$PM_{2.5}$	PM_{10}
Startup	-	-	54	62	62	62	-	-	-	-	-	-
Climb Taxi	49,658	1,131	107	124	123	124	225	156,671	61,427	58	4	4
Climb Ground	40,673	734	125	144	143	144	352	128,325	50,313	48	4	4
Climb Below 1,000 ft	70,195	1,146	162	187	186	187	697	221,465	86,831	82	6	6
Climb Below Mixing Height	88,404	1,159	163	188	187	188	1,079	278,914	109,356	104	8	8
Climb Below 10,000 ft	129,259	1,197	165	191	190	191	1,871	407,811	159,893	151	51	51
Above 10,000 ft	7	0	0	0	0	0	0	22	9	0	0	0
Descend Below 10,000 ft	56,393	817	80	92	92	92	405	177,920	69,758	66	13	13
Descend Below Mixing Height	48,565	687	68	78	78	78	353	153,222	60,075	57	5	5
Descend Below 1,000 ft	31,401	526	50	58	58	58	202	99,069	38,843	37	3	3
Descend Ground	22,637	473	45	52	51	52	116	71,419	28,002	27	2	2
Descend Taxi	20,260	461	44	50	50	50	92	63,921	25,062	24	2	2
Full Flight	185,659	2,014	245	283	282	283	2,277	585,754	229,660	217	64	64

Sources: HNTB Analysis, 2018.

Table 1-2

Detailed AEDT Emission Analysis Output (Short Tons) - 2020 No Action

Mode	Fuel	CO	HC	TOG	VOC	NMHC	NOx	CO_2	H_2O	SOx	$PM_{2.5}$	PM_{10}
Startup	-	-	54	63	62	63	-	-	-	-	-	-
Climb Taxi	49,486	1,117	107	124	123	124	227	156,127	61,214	58	4	4
Climb Ground	40,707	726	126	146	145	146	362	128,431	50,355	48	4	4
Climb Below 1,000 ft	70,603	1,133	163	188	187	188	722	222,754	87,336	83	6	6
Climb Below Mixing Height	88,815	1,147	164	189	188	189	1,118	280,211	109,864	104	8	8
Climb Below 10,000 ft	130,962	1,187	167	193	191	192	1,957	413,186	162,000	153	52	52
Above 10,000 ft	7	0	0	0	0	0	0	22	8	0	0	0
Descend Below 10,000 ft	57,466	823	83	96	96	96	424	181,305	71,085	67	14	14
Descend Below Mixing Height	49,463	696	71	82	82	82	369	156,055	61,185	58	5	5
Descend Below 1,000 ft	31,828	525	51	59	59	59	210	100,416	39,371	37	3	3
Descend Ground	22,699	470	45	52	52	52	119	71,614	28,078	27	2	2
Descend Taxi	20,217	456	44	51	50	51	93	63,785	25,008	24	2	2
Full Flight	188,435	2,010	250	289	287	289	2,381	594,512	233,094	221	66	66

Sources: HNTB Analysis, 2018.

Table 1-3

Detailed AEDT Emission Analysis Output (Short Tons) - 2020 Proposed Action

Mode	Fuel	CO	HC	TOG	VOC	NMHC	NOx	CO_2	SOx	$PM_{2.5}$	PM_{10}
Startup	-	-	54	63	62	63	-	-	-	-	-
Climb Taxi	47,091	1,063	102	118	117	118	216	148,571	55	4	4
Climb Ground	53,752	951	146	169	168	169	476	169,587	63	5	5
Climb Below 1,000 ft	68,171	1,079	158	182	181	182	710	215,078	80	6	6
Climb Below Mixing Height	86,322	1,093	159	183	182	183	1,105	272,346	101	8	8
Climb Below 10,000 ft	128,551	1,133	161	187	186	186	1,946	405,579	151	52	52
Above 10,000 ft	7	0	0	0	0	0	0	22	0	0	0
Descend Below 10,000 ft	57,547	825	83	96	96	96	424	181,562	67	14	14
Descend Below Mixing Height	49,544	698	72	83	82	83	369	156,312	58	5	5
Descend Below 1,000 ft	31,906	527	51	59	59	59	211	100,662	37	3	3
Descend Ground	22,868	474	46	53	52	53	119	72,149	27	2	2
Descend Taxi	20,298	458	44	51	51	51	93	64,041	24	2	2
Full Flight	186,105	1,958	245	283	281	283	2,370	587,163	218	66	66

Sources: HNTB Analysis, 2018.

Attachment 2:
ACEIT Model Output

Airport Construction Emissions Inventory Tool (ACEIT)
Version 1.0
Run Date & Time: 1/12/2018 9:18:21 AM

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STUDY

Study Name

DTW RW 3L-21R Program

Study Description

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EMISSIONS INVENTORY - SUMMARY

Total Emissions by Year
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Year	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
2019	46.14205	28.46606	0.275467	12.20517	1.231408	64.16261	17606.82	1.207151	0.250512
2020	19.18955	10.96477	0.133363	6.62466	0.463103	37.72196	7607.835	0.463536	0.110039

Total Emissions by Source Categories
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases Emission: Metric Ton

Year	Emission So	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
2019	NonRoad	7.196216	18.27369	0.060424	0.953868	0.877559	3.433245	10830.48	--	--
2019	OnRoad	26.66753	9.425792	0.073987	0.363135	0.353849	1.479756	6776.342	1.207151	0.250512
2019	Fugitive	12.2783	0.766572	0.141056	10.88817	--	59.24961	--	--	--
2019	TOTAL	46.14205	28.46606	0.275467	12.20517	1.231408	64.16261	17606.82	1.207151	0.250512
2020	NonRoad	2.617959	6.937963	0.02617	0.355973	0.327495	1.420485	4753.674	--	--
2020	OnRoad	9.875388	3.608709	0.030243	0.139436	0.135608	0.542574	2854.161	0.463536	0.110039
2020	Fugitive	6.6962	0.4181	0.07695	6.129251	--	35.7589	--	--	--
2020	TOTAL	19.18955	10.96477	0.133363	6.62466	0.463103	37.72196	7607.835	0.463536	0.110039

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EMISSIONS INVENTORY - DETAILS:

Non-Road Sources
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Scenario ID	Year	Project	Constructio	Equipment	Fuel	HP	Averag	Load Facto	Hours of A	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	
1	2019	Demolition	Asphalt De	Dozer	Diesel	175		0.59	1216.32	0.05974	0.139153	0.000388	0.012964	0.011927	0.021915	67.35775	
1	2019	Demolition	Asphalt De	Excavator	Diesel	175		0.59	1216.32	0.046532	0.113569	0.000378	0.009255	0.008514	0.020865	67.3606	
1	2019	Demolition	Asphalt De	Pickup Tru	Diesel	600		0.59	2432.64	0.230721	0.689697	0.002531	0.028287	0.026024	0.135263	461.9224	
1	2019	Demolition	Concrete D	Excavator	Diesel	175		0.59	2027.2	0.077553	0.189281	0.000631	0.015425	0.014191	0.034759	112.2677	
1	2019	Demolition	Concrete D	Pickup Tru	Diesel	600		0.59	4054.4	0.384535	1.149494	0.004218	0.047145	0.043374	0.225404	769.8707	
1	2019	Noise Barri	Clearing ar	Chain Saw	Diesel	11		0.7	288	0.717546	0.003234	0.000343	0.023829	0.021923	0.155014	1.521266	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	2019	Noise Barri	Clearing ar	Chipper/St	Diesel	100		0.43	288	0.024758	0.044223	4.80E-05	0.004342	0.003994	0.005166	7.297157	
1	2019	Noise Barri	Clearing ar	Pickup Tru	Diesel	600		0.59	384	0.03642	0.108871	0.0004	0.004465	0.004108	0.021395	72.91593	
1	2019	Noise Barri	Dust Contr	Water Truc	Diesel	600		0.59	1440	0.136575	0.408266	0.001498	0.016745	0.015405	0.08009	273.4347	
1	2019	Noise Barri	Excavation	Dozer	Diesel	175		0.59	721.5	0.035436	0.082543	0.00023	0.00769	0.007075	0.013013	39.95545	
1	2019	Noise Barri	Excavation	Dump Truc	Diesel	600		0.59	721.5	0.06843	0.204558	0.000751	0.00839	0.007719	0.040154	137.0022	
1	2019	Noise Barri	Excavation	Pickup Tru	Diesel	600		0.59	721.5	0.06843	0.204558	0.000751	0.00839	0.007719	0.040154	137.0022	
1	2019	Noise Barri	Excavation	Roller	Diesel	100		0.59	333	0.032825	0.033084	6.98E-05	0.004132	0.003801	0.004049	11.70165	
1	2019	Noise Barri	Excavation	Dozer	Diesel	175		0.59	203.718	0.010006	0.023306	6.51E-05	0.002171	0.001998	0.003698	11.28156	
1	2019	Noise Barri	Grading	Dozer	Diesel	175		0.59	130.869	0.006428	0.014972	4.18E-05	0.001395	0.001283	0.002388	7.247304	
1	2019	Noise Barri	Grading	Grader	Diesel	300		0.59	130.869	0.007074	0.022463	6.96E-05	0.001152	0.00106	0.003874	12.42449	
1	2019	Noise Barri	Grading	Roller	Diesel	100		0.59	130.869	0.0129	0.013002	2.74E-05	0.001624	0.001494	0.00161	4.598749	
1	2019	Noise Barri	Hydroseed	Hydroseed	Diesel	600		0.59	117.9	0.011182	0.033427	0.000123	0.001371	0.001261	0.006605	22.38747	
1	2019	Noise Barri	Hydroseed	Off-Road T	Diesel	600		0.59	117.9	0.011182	0.033427	0.000123	0.001371	0.001261	0.006605	22.38747	
1	2019	Noise Barri	Soil Erosior	Other Gen	Diesel	175		0.43	96	0.003479	0.012734	2.35E-05	0.000854	0.000786	0.001504	3.832242	
1	2019	Noise Barri	Soil Erosior	Pickup Tru	Diesel	600		0.59	192	0.01821	0.054435	0.0002	0.002233	0.002054	0.010723	36.45797	
1	2019	Noise Barri	Soil Erosior	Pumps	Diesel	11		0.43	96	0.002233	0.002328	1.99E-06	0.000217	0.000199	0.000328	0.267179	
1	2019	Noise Barri	Soil Erosior	Tractors/Lo	Diesel	100		0.21	96	0.009475	0.007444	9.11E-06	0.00133	0.001224	0.001618	1.399009	
1	2019	Rehabilitat	Cold Millin	Cold Plane	Diesel	175		0.59	247.785	0.014353	0.033172	8.08E-05	0.003234	0.002975	0.004706	13.72134	
1	2019	Rehabilitat	Cold Millin	Dump Truc	Diesel	600		0.59	247.785	0.023501	0.070251	0.000258	0.002881	0.002651	0.013824	47.05071	
1	2019	Rehabilitat	Cold Millin	Pickup Tru	Diesel	600		0.59	247.785	0.023501	0.070251	0.000258	0.002881	0.002651	0.013824	47.05071	
1	2019	Rehabilitat	Cold Millin	Sweepers	Diesel	175		0.43	247.785	0.006211	0.021526	5.74E-05	0.001433	0.001318	0.00328	9.892803	
1	2019	Rehabilitat	Cold Millin	Water Truc	Diesel	600		0.59	247.785	0.023501	0.070251	0.000258	0.002881	0.002651	0.013824	47.05071	
1	2019	Rehabilitat	Concrete D	Concrete S	Diesel	40		0.59	2232.3	0.034872	0.197337	0.000182	0.004985	0.004586	0.010204	31.37886	
1	2019	Rehabilitat	Concrete D	Dump Truc	Diesel	600		0.59	2232.3	0.21172	0.632897	0.002322	0.025958	0.023881	0.124128	423.8808	
1	2019	Rehabilitat	Concrete D	Excavator	Diesel	175		0.59	2232.3	0.085399	0.208432	0.000695	0.016985	0.015626	0.038273	123.6262	
1	2019	Rehabilitat	Concrete D	Hydralic Ha	Diesel	175		0.59	2232.3	0.085399	0.208432	0.000695	0.016985	0.015626	0.038273	123.6262	
1	2019	Rehabilitat	Concrete D	Other Gen	Diesel	175		0.43	2232.3	0.080888	0.296104	0.000546	0.019858	0.01827	0.033967	89.1116	
1	2019	Rehabilitat	Concrete D	Pickup Tru	Diesel	600		0.59	2232.3	0.21172	0.632897	0.002322	0.025958	0.023881	0.124128	423.8808	
1	2019	Rehabilitat	Concrete P	Air Compre	Diesel	100		0.43	412.975	0.024288	0.039925	6.48E-05	0.003554	0.00327	0.004411	10.47169	
1	2019	Rehabilitat	Concrete P	Concrete S	Diesel	40		0.59	412.975	0.006451	0.036507	3.36E-05	0.000922	0.000848	0.001888	5.805081	
1	2019	Rehabilitat	Concrete P	Concrete T	Diesel	600		0.59	1720.73	0.163201	0.487858	0.00179	0.020009	0.018408	0.095693	326.7412	
1	2019	Rehabilitat	Concrete P	Other Gen	Diesel	175		0.43	825.95	0.029928	0.109558	0.000202	0.007348	0.00676	0.012596	32.97125	
1	2019	Rehabilitat	Concrete P	Pickup Tru	Diesel	600		0.59	1238.926	0.117504	0.351258	0.001289	0.014407	0.013254	0.068914	235.2538	
1	2019	Rehabilitat	Concrete P	Rubber Tir	Diesel	175		0.59	412.975	0.026157	0.061019	0.000136	0.00599	0.005511	0.008071	22.86821	
1	2019	Rehabilitat	Concrete P	Slip Form P	Diesel	175		0.59	412.975	0.023922	0.055287	0.000135	0.005389	0.004958	0.007818	22.86889	
1	2019	Rehabilitat	Concrete P	Surfacing E	Diesel	25		0.59	412.975	0.016029	0.029938	2.69E-05	0.00237	0.002181	0.003173	3.6227	
1	2019	Rehabilitat	Dust Contr	Water Truc	Diesel	600		0.59	1440	0.136575	0.408266	0.001498	0.016745	0.015405	0.08009	273.4347	
1	2019	Rehabilitat	Excavation	Dozer	Diesel	175		0.59	82.595	0.004057	0.009449	2.64E-05	0.00088	0.00081	0.001519	4.573972	
1	2019	Rehabilitat	Excavation	Dump Truc	Diesel	600		0.59	275.317	0.026112	0.078057	0.000286	0.003201	0.002945	0.015354	52.27864	
1	2019	Rehabilitat	Excavation	Excavator	Diesel	175		0.59	82.595	0.00316	0.007712	2.57E-05	0.000628	0.000578	0.00144	4.574165	
1	2019	Rehabilitat	Excavation	Pickup Tru	Diesel	600		0.59	82.595	0.007834	0.023417	8.59E-05	0.00096	0.000884	0.004643	15.68357	
1	2019	Rehabilitat	Excavation	Roller	Diesel	100		0.59	82.595	0.008142	0.008206	1.73E-05	0.001025	0.000943	0.001028	2.902396	
1	2019	Rehabilitat	Excavation	Dozer	Diesel	175		0.59	38.868	0.001909	0.004447	1.24E-05	0.000414	0.000381	0.000733	2.152444	
1	2019	Rehabilitat	Grading	Dozer	Diesel	175		0.59	26.466	0.0013	0.003028	8.45E-06	0.000282	0.00026	0.00051	1.465642	
1	2019	Rehabilitat	Grading	Grader	Diesel	300		0.59	26.466	0.001431	0.004543	1.41E-05	0.000233	0.000214	0.000812	2.512639	
1	2019	Rehabilitat	Grading	Roller	Diesel	100		0.59	26.466	0.002609	0.002629	5.55E-06	0.000328	0.000302	0.00035	0.930018	
1	2019	Rehabilitat	Hydroseed	Hydroseed	Diesel	600		0.59	2.647	0.000251	0.00075	2.75E-06	3.08E-05	2.83E-05	0.000199	0.502626	
1	2019	Rehabilitat	Hydroseed	Off-Road T	Diesel	600		0.59	2.647	0.000251	0.00075	2.75E-06	3.08E-05	2.83E-05	0.000199	0.502626	
1	2019	Rehabilitat	Soil Erosior	Other Gen	Diesel	175		0.43	22	0.000797	0.002918	5.38E-06	0.000196	0.00018	0.000379	0.878222	
1	2019	Rehabilitat	Soil Erosior	Pickup Tru	Diesel	600		0.59	44	0.004173	0.012475	4.58E-05	0.000512	0.000471	0.002497	8.354951	
1	2019	Rehabilitat	Soil Erosior	Pumps	Diesel	11		0.43	22	0.000512	0.000534	4.55E-07	4.96E-05	4.57E-05	7.70E-05	0.061229	
1	2019	Rehabilitat	Soil Erosior	Tractors/Lo	Diesel	100		0.21	22	0.002171	0.001706	2.09E-06	0.000305	0.00028	0.000461	0.320606	
1	2019	Rehabilitat	Subbase Pl	Dozer	Diesel	175		0.59	260.827	0.012811	0.02984	8.33E-05	0.00278	0.002558	0.004726	14.44416	
1	2019	Rehabilitat	Subbase Pl	Dump Truc	Diesel	600		0.59	0	0	0	0	0	0	5.17E-05	0	
1	2019	Rehabilitat	Subbase Pl	Pickup Tru	Diesel	600		0.59	260.827	0.024738	0.073949	0.000271	0.003033	0.00279	0.014549	49.5272	
1	2019	Rehabilitat	Subbase Pl	Roller	Diesel	100		0.59	0	0	0	0	0	0	3.11E-05	0	
1	2019	Rehabilitat	Topsoil Pla	Dozer	Diesel	175		0.59	58.813	0.002889	0.006729	1.88E-05	0.000627	0.000577	0.001092	3.256965	
1	2019	Rehabilitat	Topsoil Pla	Dump Truc	Diesel	600		0.59	58.813	0.005578	0.016675	6.12E-05	0.000684	0.000629	0.003321	11.16772	
1	2019	Rehabilitat	Topsoil Pla	Pickup Tru	Diesel	600		0.59	58.813	0.005578	0.016675	6.12E-05	0.000684	0.000629	0.003321	11.16772	
1	2019	Service Roa	Asphalt Pla	Asphalt Pa	Diesel	175		0.59	2.775	0.000161	0.000372	9.05E-07	3.62E-05	3.33E-05	9.07E-05	0.153668	
1	2019	Service Roa	Asphalt Pla	Dump Truc	Diesel	600		0.59	9.994	0.000948	0.002833	1.04E-05	0.000116	0.000107	0.000607	1.897713	
1	2019	Service Roa	Asphalt Pla	Other Gen	Diesel	175		0.43	5.55	0.000201	0.000736	1.36E-06	4.94E-05	4.54E-05	0.000129	0.221551	
1	2019	Service Roa	Asphalt Pla	Pickup Tru	Diesel	600		0.59	2.775	0.000263	0.000787	2.89E-06	3.23E-05	2.97E-05	0.000206	0.526932	
1	2019	Service Roa	Asphalt Pla	Roller	Diesel	100		0.59	2.775	0.000274	0.000276	5.82E-07	3.44E-05	3.17E-05	6.46E-05	0.097514	
1	2019	Service Roa	Asphalt Pla	Skid Steer I	Diesel	75		0.21	2.775	0.000222	0.000232	2.05E-07	3.28E-05	3.01E-05	0.000118	0.030299	
1	2019	Service Roa	Asphalt Pla	Surfacing E	Diesel	25		0.59	3.552	0.000138	0.000257	2.32E-07	2.04E-05	1.88E-05	2.82E-05	0.031159	
1	2019	Service Roa	Drainage -	Dump Truc	Diesel	600		0.59	17.956	0.001703	0.005091	1.87E-05	0.000209	0.000192	0.00105	3.409579	
1	2019	Service Roa	Drainage -	Loader	Diesel	175		0.59	17.956	0.001137	0.002653	5.93E-06	0.00026	0.00024	0.000391	0.994301	
1	2019	Service Roa	Drainage -	Other Gen	Diesel	175		0.43	17.956	0.000651	0.002382	4.39E-06	0.00016	0.000147	0.000318	0.716789	
1	2019	Service Roa	Drainage -	Pickup Tru	Diesel	600		0.59	17.956	0.001703	0.005091	1.87E-05	0.000209	0.000192	0.00105	3.409579	
1	2019	Service Roa	Drainage -	Tractors/Lo	Diesel	100		0.21	17.956	0.001772	0.001392	1.70E-06	0.000249	0.000229	0.000398	0.261673	
1	2019	Service Roa	Dust Contr	Water Truc	Diesel	600		0.59	1440	0.136575	0.408266	0.001498	0.016745	0.015405	0.08009	273.4347	
1	2019	Service Roa	Excavation	Dozer	Diesel	175		0.59	9.25	0.000454	0.001058	2.95E-06	9.86E-05	9.07E-05	0.0002	0.512249	
1	2019	Service Roa	Excavation	Dump Truc	Diesel	600		0.59	24.667	0.00234	0.006994	2.57E-05	0.000287	0.000264	0.001423	4.683899	
1	2019	Service Roa	Excavation	Excavator	Diesel	175		0.59	7.4	0.000283	0.000691	2.30E-06	5.63E-05	5.18E-05	0.000152	0.409817	
1	2019	Service Roa	Excavation	Pickup Tru	Diesel	600		0.59	7.4	0.000702	0.002098	7.70E-06	8.60E-05	7.92E-05	0.000463	1.405151	
1	2019	Service Roa	Excavation	Roller	Diesel	100		0.59	7.4	0.000729	0.000735	1.55E-06	9.18E-05	8.45E-05	0.00012	0.260037	
1	2019	Service Roa	Excavation	Scraper	Diesel	600		0.59	9.25	0.002256	0.005548	1.06E-05	0.000339	0.000312	0.000707	1.756288	
1	2019	Service Roa	Excavation	Dozer	Diesel	175		0.59	3.482	0.000171	0.000398	1.11E-06	3.71E-05	3.41E-05	9.61E-05	0.192827	
1	2019	Service Roa	Grading	Dozer	Diesel	175		0.59	3.363	0.000165	0.000385	1.07E-06	3.58E-05	3.30E-05	9.40E-05	0.186237	
1	2019	Service Roa	Grading	Grader	Diesel	300		0.59	3.363	0.000182	0.000577	1.79E-06	2.96E-05	2.72E-05	0.000135	0.319278	
1	2019	Service Roa	Grading	Roller	Diesel	100		0.59	3.363	0.000331	0.000334	7.05E-07	4.17E-05	3.84E-05	7.17E-05	0.118176	
1	2019	Service Roa	Hydroseed	Hydroseed	Diesel	600		0.59	3.03	0.000287	0.000859	3.15E-06	3.52E-05	3.24E-05	0.00022	0.575352	
1	2019	Service Roa	Hydroseed	Off-Road T	Diesel	600		0.59	3.03	0.000287	0.000859	3.15E-06	3.52E-05	3.24E-05	0.00022	0.575352	
1	2019	Service Roa	Soil Erosior	Other Gen	Diesel	175		0.43	2.8	0.000101	0.000371	6.85E-07	2.49E-05	2.29E-05	8.73E-05	0.111774	
1	2019	Service Roa	Soil Erosior	Pickup Tru	Diesel	600		0.59	5.6	0.000531	0.001588	5.83E-06	6.51E-05	5.99E-05	0.000363	1.063357	
1	2019	Service Roa	Soil Erosior	Pumps	Diesel	11		0.43	2.8	6.51E-05	6.79E-05	5.79E-08	6.32E-06	5.81E-06	1.18E-05	0.007793	
1	2019	Service Roa	Soil Erosior	Tractors/Lo	Diesel	100		0.21	2.8	0.000276	0.000217	2.66E-07	3.88E-05	3.57E-05	0.000161	0.040804	
1	2019	Service Roa	Subbase Pl	Dozer	Diesel	175		0.59	4.674	0.00023	0.000535	1.49E-06	4.98E-05	4.58E-05	0.000118	0.258838	
1	2019	Service Roa	Subbase Pl	Dump Truc	Diesel	600		0.59	0	0	0	0	0	0	5.17E-05	0	
1	2019	Service Roa	Subbase Pl	Pickup Tru	Diesel	600		0.59	4.674	0.000443	0.001325	4.86E-06	5.44E-05	5.00E-05	0.000311	0.887524	
1	2019	Service Roa	Subbase Pl	Roller	Diesel	100		0.59	0	0	0	0	0	0	3.11E-05	0	
1	2019	Service Roa	Topsoil Pla	Dozer	Diesel	175		0.59	7.475	0.000367	0.000855	2.39E-06	7.97E-05	7.33E-05	0.000168	0.413953	
1	2019	Service Roa	Topsoil Pla	Dump Truc	Diesel	600		0.59	7.475	0.000709	0.002119	7.78E-06	8.69E-05	8.00E-05	0.000467	1.419392	
1	2019	Service Roa	Topsoil Pla	Pickup Tru	Diesel	600		0.59	7.475	0.000709	0.002119	7.78E-06	8.69E-05	8.00E-05	0.000467	1.419392	
1	2019	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	175		0.59	16.638	0.000964	0.002227	5.43E-06	0.000217	0.0002	0.000352	0.921346	
1	2019	Taxiways	Asphalt Pla	Dump Truc	Diesel	600		0.59	59.921	0.005683	0.016989	6.23E-05	0.000697	0.000641	0.003382	11.37811	
1	2019	Taxiways	Asphalt Pla	Other Gen	Diesel	175		0.43	33.275	0.001206	0.004414	8.14E-06	0.000296	0.000272	0.00055	1.328311	
1	2019	Taxiways	Asphalt Pla	Pickup Tru	Diesel	600		0.59	16.638	0.001578	0.004717	1.73E-05	0.000193	0.000178	0.000976	3.159311	
1	2019	Taxiways	Asphalt Pla	Roller	Diesel	100		0.59	16.638	0.00164	0.001653	3.49E-06	0.000206	0.00019	0.000232	0.584661	
1	2019	Taxiways	Asphalt Pla	Skid Steer I	Diesel	75		0.21	16.638	0.00133	0.001394	1.23E-06	0.000196	0.000181	0.000337	0.181666	
1	2019	Taxiways	Asphalt Pla	Surfacing E	Diesel	25		0.59	21.296	0.000827	0.001544	1.39E-06	0.000122	0.000112	0.000164	0.186813	
1	2019	Taxiways	Concrete P	Air Compre	Diesel	100		0.43	114.885	0.006757	0.011107	1.80E-05	0.000989	0.00091	0.001251	2.913106	
1	2019	Taxiways	Concrete P	Concrete S	Diesel	40		0.59	114.885	0.001795	0.010156	9.35E-06	0.000257	0.000236	0.000526	1.614908	
1	2019	Taxiways	Concrete P	Concrete T	Diesel	600		0.59	478.687	0.0454	0.135716	0.000498	0.005566	0.005121	0.026658	90.8956	
1	2019	Taxiways	Concrete P	Other Gen	Diesel	175		0.43	229.77	0.008326	0.030478	5.62E-05	0.002044	0.001881	0.003536	9.172232	
1	2019	Taxiways	Concrete P	Pickup Tru	Diesel	600		0.59	344.654	0.032688	0.097716	0.000359	0.004008	0.003687	0.019208	65.44471	
1	2019	Taxiways	Concrete P	Rubber Tir	Diesel	175		0.59	114.885	0.007277	0.016975	3.80E-05	0.001666	0.001533	0.002276	6.361679	
1	2019	Taxiways	Concrete P	Slip Form P	Diesel	175		0.59	114.885	0.006655	0.01538	3.75E-05	0.001499	0.001379	0.002203	6.361869	
1	2019	Taxiways	Concrete P	Surfacing E	Diesel	25		0.59	114.885	0.004459	0.008328	7.49E-06	0.000659	0.000607	0.000883	1.007794	
1	2019	Taxiways	Drainage -	Dump Truc	Diesel	600		0.59	41.067	0.003895	0.011643	4.27E-05	0.000478	0.000439	0.002334	7.798017	
1	2019	Taxiways	Drainage -	Loader	Diesel	175		0.59	41.067	0.002601	0.006068	1.36E-05	0.000596	0.000548	0.00084	2.274057	
1	2019	Taxiways	Drainage -	Other Gen	Diesel	175		0.43	41.067	0.001488	0.005447	1.00E-05	0.000365	0.000336	0.000669	1.639361	
1	2019	Taxiways	Drainage -	Pickup Tru	Diesel	600		0.59	41.067	0.003895	0.011643	4.27E-05	0.000478	0.000439	0.002334	7.798017	
1	2019	Taxiways	Drainage -	Tractors/Lo	Diesel	100		0.21	41.067	0.004053	0.003184	3.90E-06	0.000569	0.000524	0.000759	0.59847	
1	2019	Taxiways	Dust Contr	Water Truc	Diesel	600		0.59	1440	0.136575	0.408266	0.001498	0.016745	0.015405	0.08009	273.4347	
1	2019	Taxiways	Excavation	Dozer	Diesel	175		0.59	1136.363	0.055812	0.130006	0.000363	0.012112	0.011143	0.020476	62.92986	
1	2019	Taxiways	Excavation	Dump Truc	Diesel	600		0.59	3030.301	0.287405	0.859144	0.003153	0.035237	0.032418	0.168482	575.4094	

1	2019	Taxiways	Excavation	Excavator	Diesel	175	0.59	909.09	0.034778	0.084883	0.000283	0.006917	0.006364	0.015601	50.346
1	2019	Taxiways	Excavation	Pickup Tru	Diesel	600	0.59	909.09	0.086222	0.257743	0.000946	0.010571	0.009725	0.050581	172.6228
1	2019	Taxiways	Excavation	Roller	Diesel	100	0.59	909.09	0.089611	0.090319	0.000191	0.01128	0.010377	0.011	31.94551
1	2019	Taxiways	Excavation	Scraper	Diesel	600	0.59	1136.363	0.277202	0.681572	0.001303	0.041669	0.038336	0.070021	215.7601
1	2019	Taxiways	Excavation	Dozer	Diesel	175	0.59	427.807	0.021012	0.048943	0.000137	0.00456	0.004195	0.00773	23.69123
1	2019	Taxiways	Grading	Dozer	Diesel	175	0.59	293.09	0.014395	0.033531	9.36E-05	0.003124	0.002874	0.005306	16.23083
1	2019	Taxiways	Grading	Grader	Diesel	300	0.59	293.09	0.015842	0.050307	0.000156	0.002579	0.002373	0.008632	27.82549
1	2019	Taxiways	Grading	Roller	Diesel	100	0.59	293.09	0.028891	0.029119	6.15E-05	0.003637	0.003346	0.003567	10.29921
1	2019	Taxiways	Hydroseed	Hydroseed	Diesel	600	0.59	264.045	0.025043	0.074861	0.000275	0.00307	0.002825	0.014728	50.13825
1	2019	Taxiways	Hydroseed	Off-Road T	Diesel	600	0.59	264.045	0.025043	0.074861	0.000275	0.00307	0.002825	0.014728	50.13825
1	2019	Taxiways	Lighting	Dump Truc	Diesel	600	0.59	32.467	0.003079	0.009205	3.38E-05	0.000378	0.000347	0.001856	6.165004
1	2019	Taxiways	Lighting	Loader	Diesel	175	0.59	32.467	0.002056	0.004797	1.07E-05	0.000471	0.000433	0.000673	1.797838
1	2019	Taxiways	Lighting	Other Gen	Diesel	175	0.43	32.467	0.001176	0.004307	7.94E-06	0.000289	0.000266	0.000538	1.296056
1	2019	Taxiways	Lighting	Pickup Tru	Diesel	600	0.59	32.467	0.003079	0.009205	3.38E-05	0.000378	0.000347	0.001856	6.165004
1	2019	Taxiways	Lighting	Skid Steer	Diesel	75	0.21	32.467	0.002595	0.00272	2.39E-06	0.000383	0.000353	0.000586	0.354498
1	2019	Taxiways	Lighting	Tractors/Lo	Diesel	100	0.21	32.467	0.003204	0.002517	3.08E-06	0.00045	0.000414	0.000624	0.473142
1	2019	Taxiways	Markings	Flatbed Tru	Diesel	600	0.59	709.714	0.067312	0.201217	0.000738	0.008253	0.007593	0.039499	134.7642
1	2019	Taxiways	Markings	Other Gen	Diesel	175	0.43	709.714	0.025717	0.09414	0.000174	0.006314	0.005809	0.01083	28.33121
1	2019	Taxiways	Markings	Pickup Tru	Diesel	600	0.59	709.714	0.067312	0.201217	0.000738	0.008253	0.007593	0.039499	134.7642
1	2019	Taxiways	Soil Erosio	Other Gen	Diesel	175	0.43	242.8	0.008798	0.032206	5.94E-05	0.00216	0.001987	0.003734	9.692379
1	2019	Taxiways	Soil Erosio	Pickup Tru	Diesel	600	0.59	485.6	0.046056	0.137676	0.000505	0.005647	0.005195	0.027042	92.20827
1	2019	Taxiways	Soil Erosio	Pumps	Diesel	11	0.43	242.8	0.005649	0.005888	5.02E-06	0.000548	0.000504	0.000827	0.67574
1	2019	Taxiways	Soil Erosio	Tractors/Lo	Diesel	100	0.21	242.8	0.023964	0.018826	2.30E-05	0.003364	0.003095	0.003912	3.538327
1	2019	Taxiways	Subbase Pl	Dozer	Diesel	175	0.59	574.162	0.0282	0.065687	0.000183	0.00612	0.00563	0.010362	31.79612
1	2019	Taxiways	Subbase Pl	Dump Truc	Diesel	600	0.59	0	0	0	0	0	0	5.17E-05	0
1	2019	Taxiways	Subbase Pl	Pickup Tru	Diesel	600	0.59	574.162	0.054456	0.162785	0.000597	0.006676	0.006142	0.031965	109.0249
1	2019	Taxiways	Subbase Pl	Roller	Diesel	100	0.59	0	0	0	0	0	0	3.11E-05	0
1	2019	Taxiways	Topsoil Pla	Dozer	Diesel	175	0.59	651.311	0.031989	0.074513	0.000208	0.006942	0.006386	0.01175	36.0685
1	2019	Taxiways	Topsoil Pla	Dump Truc	Diesel	600	0.59	651.311	0.061773	0.184658	0.000678	0.007574	0.006968	0.036253	123.6743
1	2019	Taxiways	Topsoil Pla	Pickup Tru	Diesel	600	0.59	651.311	0.061773	0.184658	0.000678	0.007574	0.006968	0.036253	123.6743
1	2019	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0	0	0	0	0	0	3.84E-05	0
1	2019	Terminal A	Asphalt Pla	Dump Truc	Diesel	600	0.59	0	0	0	0	0	0	5.17E-05	0
1	2019	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	4.47E-05	0
1	2019	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	5.17E-05	0
1	2019	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	0	0	0	0	0	0	3.11E-05	0
1	2019	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	0	0	0	0	0	0	7.47E-05	0
1	2019	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	0	0	0	0	0	0	8.83E-07	0
1	2019	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	23.289	0.002209	0.006603	2.42E-05	0.000271	0.000249	0.001346	4.422237
1	2019	Terminal A	Drainage -	Loader	Diesel	175	0.59	23.289	0.001475	0.003441	7.70E-06	0.000338	0.000311	0.000495	1.289613
1	2019	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	23.289	0.000844	0.003089	5.70E-06	0.000207	0.000191	0.000399	0.929678
1	2019	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	23.289	0.002209	0.006603	2.42E-05	0.000271	0.000249	0.001346	4.422237
1	2019	Terminal A	Drainage -	Tractors/Lo	Diesel	100	0.21	23.289	0.002299	0.001806	2.21E-06	0.000323	0.000297	0.000481	0.339391
1	2019	Terminal A	Dust Contr	Water Truc	Diesel	600	0.59	1440	0.136575	0.408266	0.001498	0.016745	0.015405	0.08009	273.4347
1	2019	Terminal A	Excavation	Dozer	Diesel	175	0.59	240.5	0.011812	0.027514	7.68E-05	0.002563	0.002358	0.00436	13.31848
1	2019	Terminal A	Excavation	Dump Truc	Diesel	600	0.59	641.333	0.060826	0.181829	0.000667	0.007458	0.006861	0.035698	121.7797
1	2019	Terminal A	Excavation	Excavator	Diesel	175	0.59	192.4	0.00736	0.017965	5.99E-05	0.001464	0.001347	0.003322	10.65524
1	2019	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	192.4	0.018248	0.054549	0.0002	0.002237	0.002058	0.010746	36.53392
1	2019	Terminal A	Excavation	Roller	Diesel	100	0.59	192.4	0.018965	0.019115	4.04E-05	0.002387	0.002196	0.002353	6.760954
1	2019	Terminal A	Excavation	Scraper	Diesel	600	0.59	240.5	0.058667	0.144248	0.000276	0.008819	0.008113	0.014929	45.66348
1	2019	Terminal A	Excavation	Dozer	Diesel	175	0.59	90.541	0.004447	0.010358	2.89E-05	0.000965	0.000888	0.001662	5.014008
1	2019	Terminal A	Grading	Dozer	Diesel	175	0.59	59.618	0.002928	0.006821	1.90E-05	0.000635	0.000585	0.001106	3.301544
1	2019	Terminal A	Grading	Grader	Diesel	300	0.59	59.618	0.003222	0.010233	3.17E-05	0.000525	0.000483	0.001784	5.660037
1	2019	Terminal A	Grading	Roller	Diesel	100	0.59	59.618	0.005877	0.005923	1.25E-05	0.00074	0.000681	0.00075	2.094982
1	2019	Terminal A	Hydroseed	Hydroseed	Diesel	600	0.59	53.71	0.005094	0.015228	5.59E-05	0.000625	0.000575	0.003037	10.19874
1	2019	Terminal A	Hydroseed	Off-Road T	Diesel	600	0.59	53.71	0.005094	0.015228	5.59E-05	0.000625	0.000575	0.003037	10.19874
1	2019	Terminal A	Sealing/Fu	Distributing	Diesel	600	0.59	153.92	0.014598	0.043639	0.00016	0.00179	0.001647	0.008607	29.22714
1	2019	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	153.92	0.005577	0.020417	3.76E-05	0.001369	0.00126	0.002384	6.144361
1	2019	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	153.92	0.014598	0.043639	0.00016	0.00179	0.001647	0.008607	29.22714
1	2019	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	49.6	0.001797	0.006579	1.21E-05	0.000441	0.000406	0.000798	1.979992
1	2019	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	99.2	0.009409	0.028125	0.000103	0.001154	0.001061	0.005565	18.83662
1	2019	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	49.6	0.001154	0.001203	1.03E-06	0.000112	0.000103	0.000171	0.138042
1	2019	Terminal A	Soil Erosio	Tractors/Lo	Diesel	100	0.21	49.6	0.004895	0.003846	4.71E-06	0.000687	0.000632	0.000892	0.722821
1	2019	Terminal A	Subbase Pl	Dozer	Diesel	175	0.59	121.516	0.005968	0.013902	3.88E-05	0.001295	0.001192	0.00222	6.729351
1	2019	Terminal A	Subbase Pl	Dump Truc	Diesel	600	0.59	0	0	0	0	0	0	5.17E-05	0
1	2019	Terminal A	Subbase Pl	Pickup Tru	Diesel	600	0.59	121.516	0.011525	0.034452	0.000126	0.001413	0.0013	0.006806	23.0741
1	2019	Terminal A	Subbase Pl	Roller	Diesel	100	0.59	0	0	0	0	0	0	3.11E-05	0
1	2019	Terminal A	Topsoil Pla	Dozer	Diesel	175	0.59	132.485	0.006507	0.015157	4.23E-05	0.001412	0.001299	0.002417	7.336796
1	2019	Terminal A	Topsoil Pla	Dump Truc	Diesel	600	0.59	132.485	0.012565	0.037562	0.000138	0.001541	0.001417	0.007415	25.15695
1	2019	Terminal A	Topsoil Pla	Pickup Tru	Diesel	600	0.59	132.485	0.012565	0.037562	0.000138	0.001541	0.001417	0.007415	25.15695
2	2019	Rehabilitat	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	93.133	0.005395	0.012468	3.04E-05	0.001215	0.001118	0.001762	5.157331
2	2019	Rehabilitat	Asphalt Pla	Dump Truc	Diesel	600	0.59	335.424	0.031813	0.095099	0.000349	0.0039	0.003588	0.018654	63.69206
2	2019	Rehabilitat	Asphalt Pla	Other Gen	Diesel	175	0.43	186.265	0.006749	0.024707	4.56E-05	0.001657	0.001524	0.002841	7.435548
2	2019	Rehabilitat	Asphalt Pla	Pickup Tru	Diesel	600	0.59	93.133	0.008833	0.026405	9.69E-05	0.001083	0.000996	0.005187	17.68458
2	2019	Rehabilitat	Asphalt Pla	Roller	Diesel	100	0.59	93.133	0.00918	0.009253	1.95E-05	0.001156	0.001063	0.00113	3.272702
2	2019	Rehabilitat	Asphalt Pla	Skid Steer	Diesel	75	0.21	93.133	0.007443	0.007802	6.87E-06	0.0011	0.001012	0.001481	1.016894
2	2019	Rehabilitat	Asphalt Pla	Surfacing E	Diesel	25	0.59	119.21	0.004627	0.008642	7.77E-06	0.000684	0.00063	0.000916	1.045734
2	2019	Rehabilitat	Lighting	Dump Truc	Diesel	600	0.59	101.213	0.009599	0.028696	0.000105	0.001177	0.001083	0.005636	19.21885
2	2019	Rehabilitat	Lighting	Loader	Diesel	175	0.59	101.213	0.006411	0.014955	3.34E-05	0.001468	0.001351	0.001977	5.6046
2	2019	Rehabilitat	Lighting	Other Gen	Diesel	175	0.43	101.213	0.003667	0.013425	2.48E-05	0.0009	0.000828	0.001548	4.040341
2	2019	Rehabilitat	Lighting	Pickup Tru	Diesel	600	0.59	101.213	0.009599	0.028696	0.000105	0.001177	0.001083	0.005636	19.21885
2	2019	Rehabilitat	Lighting	Skid Steer	Diesel	75	0.21	101.213	0.008089	0.008479	7.46E-06	0.001195	0.0011	0.001608	1.105118
2	2019	Rehabilitat	Lighting	Tractors/Lo	Diesel	100	0.21	101.213	0.00999	0.007848	9.60E-06	0.001402	0.00129	0.001607	1.474978
2	2019	Rehabilitat	Markings	Flatbed Tru	Diesel	600	0.59	2551.2	0.241966	0.72331	0.002654	0.029666	0.027293	0.141812	484.4351
2	2019	Rehabilitat	Markings	Other Gen	Diesel	175	0.43	2551.2	0.092443	0.338404	0.000624	0.022695	0.02088	0.038778	101.8418
2	2019	Rehabilitat	Markings	Pickup Tru	Diesel	600	0.59	2551.2	0.241966	0.72331	0.002654	0.029666	0.027293	0.141812	484.4351
2	2019	Rehabilitat	Sealing Ra	Crack Clea	Diesel	40	0.59	21.26	0.000332	0.001879	1.73E-06	4.75E-05	4.37E-05	9.73E-05	0.298846
2	2019	Rehabilitat	Sealing Ra	Crack Filler	Diesel	100	0.43	21.26	0.000274	0.000284	2.87E-06	1.16E-05	1.07E-05	0.000141	0.539315
2	2019	Rehabilitat	Sealing Ra	Flatbed Tru	Diesel	600	0.59	21.26	0.002016	0.006028	2.21E-05	0.000247	0.000227	0.001193	4.03696
2	2019	Rehabilitat	Sealing Ra	Other Gen	Diesel	175	0.43	21.26	0.00077	0.00282	5.20E-06	0.000189	0.000174	0.000333	0.848682
2	2019	Rehabilitat	Sealing Ra	Pickup Tru	Diesel	600	0.59	21.26	0.002016	0.006028	2.21E-05	0.000247	0.000227	0.001193	4.03696
2	2019	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	16.638	0.000964	0.002227	5.43E-06	0.000217	0.0002	0.000321	0.921345
2	2019	Taxiways	Asphalt Pla	Dump Truc	Diesel	600	0.59	59.921	0.005683	0.016989	6.23E-05	0.000697	0.000641	0.003341	11.37811
2	2019	Taxiways	Asphalt Pla	Other Gen	Diesel	175	0.43	33.275	0.001206	0.004414	8.14E-06	0.000296	0.000272	0.000516	1.328311
2	2019	Taxiways	Asphalt Pla	Pickup Tru	Diesel	600	0.59	16.638	0.001578	0.004717	1.73E-05	0.000193	0.000178	0.000936	3.15931
2	2019	Taxiways	Asphalt Pla	Roller	Diesel	100	0.59	16.638	0.00164	0.001653	3.49E-06	0.000206	0.00019	0.000207	0.584661
2	2019	Taxiways	Asphalt Pla	Skid Steer	Diesel	75	0.21	16.638	0.00133	0.001394	1.23E-06	0.000196	0.000181	0.000277	0.181666
2	2019	Taxiways	Asphalt Pla	Surfacing E	Diesel	25	0.59	21.296	0.000827	0.001544	1.39E-06	0.000122	0.000112	0.000164	0.186813
2	2019	Taxiways	Concrete P	Air Compre	Diesel	100	0.43	114.885	0.006757	0.011107	1.80E-05	0.000989	0.00091	0.001229	2.913106
2	2019	Taxiways	Concrete P	Concrete S	Diesel	40	0.59	114.885	0.001795	0.010156	9.35E-06	0.000257	0.000236	0.000525	1.614908
2	2019	Taxiways	Concrete P	Concrete T	Diesel	600	0.59	478.687	0.0454	0.135716	0.000498	0.005566	0.005121	0.026617	90.89558
2	2019	Taxiways	Concrete P	Other Gen	Diesel	175	0.43	229.77	0.008326	0.030478	5.62E-05	0.002044	0.001881	0.003502	9.172233
2	2019	Taxiways	Concrete P	Pickup Tru	Diesel	600	0.59	344.654	0.032688	0.097716	0.000359	0.004008	0.003687	0.019167	65.4447
2	2019	Taxiways	Concrete P	Rubber Tir	Diesel	175	0.59	114.885	0.007277	0.016975	3.80E-05	0.001666	0.001533	0.002242	6.361677
2	2019	Taxiways	Concrete P	Slip Form F	Diesel	175	0.59	114.885	0.006655	0.01538	3.75E-05	0.001499	0.001379	0.002172	6.361869
2	2019	Taxiways	Concrete P	Surfacing E	Diesel	25	0.59	114.885	0.004459	0.008328	7.49E-06	0.000659	0.000607	0.000883	1.007794
2	2019	Taxiways	Drainage -	Dump Truc	Diesel	600	0.59	41.067	0.003895	0.011643	4.27E-05	0.000478	0.000439	0.002293	7.798016
2	2019	Taxiways	Drainage -	Loader	Diesel	175	0.59	41.067	0.002601	0.006068	1.36E-05	0.000596	0.000548	0.000807	2.274057
2	2019	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	41.067	0.001488	0.005447	1.00E-05	0.000365	0.000336	0.000634	1.639361
2	2019	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	41.067	0.003895	0.011643	4.27E-05	0.000478	0.000439	0.002293	7.798016
2	2019	Taxiways	Drainage -	Tractors/Lo	Diesel	100	0.21	41.067	0.004053	0.003184	3.90E-06	0.000569	0.000524	0.000667	0.59847
2	2019	Taxiways	Lighting	Dump Truc	Diesel	600	0.59	32.467	0.003079	0.009205	3.38E-05	0.000378	0.000347	0.001815	6.165003
2	2019	Taxiways	Lighting	Loader	Diesel	175	0.59	32.467	0.002056	0.004797	1.07E-05	0.000471	0.000433	0.00064	1.797838
2	2019	Taxiways	Lighting	Other Gen	Diesel	175	0.43	32.467	0.001176	0.004307	7.94E-06	0.000289	0.000266	0.000504	1.296056
2	2019	Taxiways	Lighting	Pickup Tru	Diesel	600	0.59	32.467	0.003079	0.009205	3.38E-05	0.000378	0.000347	0.001815	6.165003
2	2019	Taxiways	Lighting	Skid Steer	Diesel	75	0.21	32.467	0.002595	0.00272	2.39E-06	0.000383	0.000353	0.000527	0.354498
2	2019	Taxiways	Lighting	Tractors/Lo	Diesel	100	0.21	32.467	0.003204	0.002517	3.08E-06	0.00045	0.000414	0.000532	0.473142
2	2019	Taxiways	Markings	Flatbed Tru	Diesel	600	0.59	709.714	0.067312	0.201216	0.000738	0.008253	0.007593	0.039458	134.7642
2	2019	Taxiways	Markings	Other Gen	Diesel	175	0.43	709.714	0.025717	0.09414	0.000174	0.006314	0.005809	0.010795	28.33121
2	2019	Taxiways	Markings	Pickup Tru	Diesel	600	0.59	709.714	0.067312	0.201216	0.000738	0.008253	0.007593	0.039458	134.7642
2	2019	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0	0	0	0	0	0	8.06E-06	0
2	2019	Terminal A	Asphalt Pla	Dump Truc	Diesel	600	0.59	0	0	0	0	0	0	1.09E-05	0
2	2019	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	0	0	0	0	0	0	1.02E-05	0
2	2019	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0	0	0	0	0	0	1.09E-05	0
2	2019	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	0	0	0	0	0	0	6.53E-06	0
2	2019	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	0	0	0	0	0	0	1.57E-05	0
2	2019	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	0	0	0	0	0	0	1.85E-07	0
2	2019	Terminal A	Lighting	Dump Truc	Diesel	600	0.59	22.667	0.00215	0.006426	2.36E-05	0.000264	0.000242	0.001271	4.304128
2	2019	Terminal A	Lighting	Loader	Diesel	175	0.59	22.667	0.001436	0.003349	7.49E-06	0.000329	0.000302	0.00045	1.255169
2	2019	Terminal A	Lighting	Other Gen	Diesel	175	0.43	22.667	0.000821	0.003007	5.54E-06	0.000202	0.000186	0.000355	0.904848
2	2019	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	22.667	0.00215	0.006426	2.36E-05	0.000264	0.000242	0.001271	4.304128
2	2019	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	22.667	0.001812	0.001899	1.67E-06	0.000268	0.000246	0.000372	0.247495
2	2019	Terminal A	Lighting	Tractors/Lo	Diesel	100	0.21	22.667	0.002237	0.001758	2.15E-06	0.000314	0.000289	0.000379	0.330326
2	2019	Terminal A	Markings	Flatbed Tru	Diesel	600	0.59	1188.571	0.112729	0.336981	0.001237	0.013821	0.012715	0.066074	225.6921
2	2019	Terminal A	Markings	Other Gen	Diesel	175	0.43	1188.571	0.043068	0.157658	0.000291	0.010573	0.009728	0.018072	47.44679
2	2019	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	1188.571	0.112729	0.336981	0.001237	0.013821	0.012715	0.066074	225.6921
3	2020	Demolition	Asphalt De	Dozer	Diesel	175	0.59	1216.32	0.051328	0.118414	0.000382	0.010559	0.009715	0.02133	67.35934
3	2020	Demolition	Asphalt De	Excavator	Diesel	175	0.59	1216.32	0.040458	0.097071	0.000374	0.007493	0.006893	0.020495	67.3616
3	2020	Demolition	Asphalt De	Pickup Tru	Diesel	600	0.59	2432.64	0.208577	0.596456	0.002514	0.024051	0.022127	0.134526	461.9244
3	2020	Demolition	Concrete D	Excavator	Diesel	175	0.59	2027.2	0.06743	0.161785	0.000623	0.012488	0.011489	0.034145	112.2693
3	2020	Demolition	Concrete D	Excavator	Diesel	175	0.59	2027.2	0.06743	0.161785	0.000623	0.012488	0.011489	0.034145	112.2693
3	2020	Demolition	Concrete D	Pickup Tru	Diesel	600	0.59	4054.4	0.347629	0.994093	0.00419	0.040085	0.036878	0.224183	769.874
3	2020	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	16.638	0.000827	0.001901	5.32E-06	0.000179	0.000164	0.000334	0.921374
3	2020	Taxiways	Asphalt Pla	Dump Truc	Diesel	600	0.59	59.921	0.005138	0.014692	6.19E-05	0.000592	0.000545	0.003352	11.37816
3	2020	Taxiways	Asphalt Pla	Other Gen	Diesel	175	0.43	33.275	0.001059	0.003867	7.97E-06	0.000255	0.000235	0.000522	1.328368
3	2020	Taxiways	Asphalt Pla	Pickup Tru	Diesel	600	0.59	16.638	0.001427	0.004079	1.72E-05	0.000164	0.000151	0.00096	3.159324
3	2020	Taxiways	Asphalt Pla	Roller	Diesel	100	0.59	16.638	0.001411	0.001414	3.42E-06	0.000169	0.000156	0.000216	0.584688
3	2020	Taxiways	Asphalt Pla	Skid Steer	Diesel	75	0.21	16.638	0.001243	0.00135	1.21E-06	0.000182	0.000167	0.00031	0.181721
3	2020	Taxiways	Asphalt Pla	Surfacing E	Diesel	25	0.59	21.296	0.000824	0.001544	1.39E-06	0.000122	0.000112	0.000164	0.186813
3	2020	Taxiways	Concrete P	Air Compre	Diesel	100	0.43	114.885	0.006016	0.009771	1.77E-05	0.000861	0.000792	0.001167	2.913321
3	2020	Taxiways	Concrete P	Concrete S	Diesel	40	0.59	114.885	0.001562	0.009902	9.18E-06	0.000214	0.000197	0.000501	1.614975
3	2020	Taxiways	Concrete P	Concrete T	Diesel	600	0.59	478.687	0.041043	0.117369	0.000495	0.004733	0.004354	0.026503	90.89599
3	2020	Taxiways	Concrete P	Other Gen	Diesel	175	0.43	229.77	0.007313	0.026699	5.50E-05	0.00176	0.00162	0.003385	9.172626
3	2020	Taxiways	Concrete P	Pickup Tru	Diesel	600	0.59	344.654	0.029551	0.084505	0.000356	0.003407	0.003135	0.019094	65.44499
3	2020	Taxiways	Concrete P	Rubber Tir	Diesel	175	0.59	114.885	0.006252	0.014599	3.72E-05	0.001378	0.001268	0.002188	6.361899
3	2020	Taxiways	Concrete P	Slip Form F	Diesel	175	0.59	114.885	0.005712	0.013127	3.68E-05	0.001233	0.001134	0.002125	6.362062
3	2020	Taxiways	Concrete P	Surfacing E	Diesel	25	0.59	114.885	0.004444	0.00833	7.49E-06	0.00066	0.000607	0.000882	1.007796
3	2020	Taxiways	Drainage -	Dump Truc	Diesel	600	0.59	41.067	0.003521	0.010069	4.24E-05	0.000406	0.000374	0.00231	7.798051
3	2020	Taxiways	Drainage -	Loader	Diesel	175	0.59	41.067	0.002235	0.005219	1.33E-05	0.000493	0.000453	0.000804	2.274136
3	2020	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	41.067	0.001307	0.004772	9.84E-06	0.000315	0.000289	0.000636	1.639432
3	2020	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	41.067	0.003521	0.010069	4.24E-05	0.000406	0.000374	0.00231	7.798051
3	2020	Taxiways	Drainage -	Tractors/Lo	Diesel	100	0.21	41.067	0.003774	0.002922	3.84E-06	0.000521	0.000479	0.000694	0.598615
3	2020	Taxiways	Dust Contr	Water Truc	Diesel	600	0.59	1440	0.123467	0.353072	0.001488	0.014237	0.013098	0.079649	273.4359
3	2020	Taxiways	Excavation	Dozer	Diesel	175	0.59	1136.363	0.047954	0.110629	0.000357	0.009865	0.009076	0.01993	62.93135
3	2020	Taxiways	Excavation	Dump Truc	Diesel	600	0.59	3030.301	0.259821	0.742996	0.003132	0.02996	0.027563	0.167567	575.4119
3	2020	Taxiways	Excavation	Excavator	Diesel	175	0.59	909.09	0.030239	0.072552	0.000279	0.0056	0.005152	0.015323	50.34675
3	2020	Taxiways	Excavation	Pickup Tru	Diesel	600	0.59	909.09	0.077946	0.222899	0.000939	0.008988	0.008269	0.050298	172.6235
3	2020	Taxiways	Excavation	Roller	Diesel	100	0.59	909.09	0.077078	0.077246	0.000187	0.009257	0.008517	0.01046	31.94698
3	2020	Taxiways	Excavation	Scraper	Diesel	600	0.59	1136.363	0.241695	0.600502	0.001278	0.03569	0.032835	0.068551	215.764
3	2020	Taxiways	Excavation	Dozer	Diesel	175	0.59	427.807	0.018053	0.041649	0.000134	0.003714	0.003417	0.007519	23.69179
3	2020	Taxiways	Grading	Dozer	Diesel	175	0.59	293.09	0.012368	0.028533	9.21E-05	0.002544	0.002341	0.00516	16.23121
3	2020	Taxiways	Grading	Grader	Diesel	300	0.59	293.09	0.013901	0.043134	0.000154	0.00215	0.001978	0.008481	27.82589
3	2020	Taxiways	Grading	Roller	Diesel	100	0.59	293.09	0.02485	0.024904	6.02E-05	0.002984	0.002746	0.003389	10.29968
3	2020	Taxiways	Hydroseed	Hydroseed	Diesel	600	0.59	264.045	0.02264	0.064741	0.000273	0.002611	0.002402	0.014637	50.13846
3	2020	Taxiways	Hydroseed	Off-Road T	Diesel	600	0.59	264.045	0.02264	0.064741	0.000273	0.002611	0.002402	0.014637	50.13846
3	2020	Taxiways	Lighting	Dump Truc	Diesel	600	0.59	32.467	0.002784	0.007961	3.36E-05	0.000321	0.000295	0.001835	6.165031
3	2020	Taxiways	Lighting	Loader	Diesel	175	0.59	32.467	0.001767	0.004126	1.05E-05	0.00039	0.000358	0.000643	1.7979
3	2020	Taxiways	Lighting	Other Gen	Diesel	175	0.43	32.467	0.001033	0.003773	7.78E-06	0.000249	0.000229	0.000511	1.296112
3	2020	Taxiways	Lighting	Pickup Tru	Diesel	600	0.59	32.467	0.002784	0.007961	3.36E-05	0.000321	0.000295	0.001835	6.165031

3	2020	Taxiways	Lighting	Skid Steer l	Diesel	75	0.21	32.467	0.002426	0.002635	2.36E-06	0.000354	0.000326	0.00054	0.354605
3	2020	Taxiways	Lighting	Tractors/Lc	Diesel	100	0.21	32.467	0.002984	0.00231	3.04E-06	0.000412	0.000379	0.000571	0.473257
3	2020	Taxiways	Markings	Flatbed Tru	Diesel	600	0.59	709.714	0.060852	0.174014	0.000733	0.007017	0.006455	0.039276	134.7648
3	2020	Taxiways	Markings	Other Gen	Diesel	175	0.43	709.714	0.022588	0.082469	0.00017	0.005438	0.005003	0.010379	28.33242
3	2020	Taxiways	Markings	Pickup Tru	Diesel	600	0.59	709.714	0.060852	0.174014	0.000733	0.007017	0.006455	0.039276	134.7648
3	2020	Taxiways	Soil Erosio	Other Gen	Diesel	175	0.43	242.8	0.007728	0.028214	5.82E-05	0.00186	0.001711	0.003575	9.692796
3	2020	Taxiways	Soil Erosio	Pickup Tru	Diesel	600	0.59	485.6	0.041636	0.119064	0.000502	0.004801	0.004417	0.026886	92.20867
3	2020	Taxiways	Soil Erosio	Pumps	Diesel	11	0.43	242.8	0.005645	0.005816	5.02E-06	0.000529	0.000486	0.000812	0.675778
3	2020	Taxiways	Soil Erosio	Tractors/Lc	Diesel	100	0.21	242.8	0.022315	0.017276	2.27E-05	0.00308	0.002833	0.003587	3.539187
3	2020	Taxiways	Subbase Pl	Dozer	Diesel	175	0.59	574.162	0.024229	0.055897	0.00018	0.004985	0.004586	0.010083	31.79687
3	2020	Taxiways	Subbase Pl	Dump Truc	Diesel	600	0.59	0	0	0	0	0	0	3.98E-05	0
3	2020	Taxiways	Subbase Pl	Pickup Tru	Diesel	600	0.59	574.162	0.049229	0.140778	0.000593	0.005677	0.005222	0.031782	109.0254
3	2020	Taxiways	Subbase Pl	Roller	Diesel	100	0.59	0	0	0	0	0	0	2.52E-05	0
3	2020	Taxiways	Topsoil Pla	Dozer	Diesel	175	0.59	651.311	0.027485	0.063408	0.000205	0.005654	0.005202	0.011434	36.06935
3	2020	Taxiways	Topsoil Pla	Dump Truc	Diesel	600	0.59	651.311	0.055844	0.159694	0.000673	0.006439	0.005924	0.036047	123.6749
3	2020	Taxiways	Topsoil Pla	Pickup Tru	Diesel	600	0.59	651.311	0.055844	0.159694	0.000673	0.006439	0.005924	0.036047	123.6749
4	2020	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	16.638	0.000827	0.001901	5.32E-06	0.000179	0.000164	0.00031	0.921373
4	2020	Taxiways	Asphalt Pla	Dump Truc	Diesel	600	0.59	59.921	0.005138	0.014692	6.19E-05	0.000592	0.000545	0.003321	11.37816
4	2020	Taxiways	Asphalt Pla	Other Gen	Diesel	175	0.43	33.275	0.001059	0.003867	7.97E-06	0.000255	0.000235	0.000493	1.328368
4	2020	Taxiways	Asphalt Pla	Pickup Tru	Diesel	600	0.59	16.638	0.001427	0.004079	1.72E-05	0.000164	0.000151	0.000928	3.159324
4	2020	Taxiways	Asphalt Pla	Roller	Diesel	100	0.59	16.638	0.001411	0.001414	3.42E-06	0.000169	0.000156	0.000196	0.584688
4	2020	Taxiways	Asphalt Pla	Skid Steer l	Diesel	75	0.21	16.638	0.001243	0.00135	1.21E-06	0.000182	0.000167	0.000256	0.181721
4	2020	Taxiways	Asphalt Pla	Surfacing E	Diesel	25	0.59	21.296	0.000824	0.001544	1.39E-06	0.000122	0.000112	0.000164	0.186813
4	2020	Taxiways	Concrete P	Air Compre	Diesel	100	0.43	114.885	0.006016	0.009771	1.77E-05	0.000861	0.000792	0.001149	2.913321
4	2020	Taxiways	Concrete P	Concrete S	Diesel	40	0.59	114.885	0.001562	0.009902	9.18E-06	0.000214	0.000197	0.000501	1.614975
4	2020	Taxiways	Concrete P	Concrete T	Diesel	600	0.59	478.687	0.041043	0.117369	0.000495	0.004733	0.004354	0.026472	90.89598
4	2020	Taxiways	Concrete P	Other Gen	Diesel	175	0.43	229.77	0.007313	0.026699	5.50E-05	0.00176	0.00162	0.003357	9.172627
4	2020	Taxiways	Concrete P	Pickup Tru	Diesel	600	0.59	344.654	0.029551	0.084505	0.000356	0.003407	0.003135	0.019062	65.44498
4	2020	Taxiways	Concrete P	Rubber Tir	Diesel	175	0.59	114.885	0.006252	0.014599	3.72E-05	0.001378	0.001268	0.002161	6.361898
4	2020	Taxiways	Concrete P	Slip Form F	Diesel	175	0.59	114.885	0.005712	0.013127	3.68E-05	0.001233	0.001134	0.0021	6.362062
4	2020	Taxiways	Concrete P	Surfacing E	Diesel	25	0.59	114.885	0.004444	0.00833	7.49E-06	0.00066	0.000607	0.000882	1.007796
4	2020	Taxiways	Drainage -	Dump Truc	Diesel	600	0.59	41.067	0.003521	0.010069	4.24E-05	0.000406	0.000374	0.002279	7.79805
4	2020	Taxiways	Drainage -	Loader	Diesel	175	0.59	41.067	0.002235	0.005219	1.33E-05	0.000493	0.000453	0.000777	2.274135
4	2020	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	41.067	0.001307	0.004772	9.84E-06	0.000315	0.000289	0.000607	1.639432
4	2020	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	41.067	0.003521	0.010069	4.24E-05	0.000406	0.000374	0.002279	7.79805
4	2020	Taxiways	Drainage -	Tractors/Lc	Diesel	100	0.21	41.067	0.003774	0.002922	3.84E-06	0.000521	0.000479	0.000611	0.598615
4	2020	Taxiways	Lighting	Dump Truc	Diesel	600	0.59	32.467	0.002784	0.007961	3.36E-05	0.000321	0.000295	0.001803	6.16503
4	2020	Taxiways	Lighting	Loader	Diesel	175	0.59	32.467	0.001767	0.004126	1.05E-05	0.00039	0.000358	0.000616	1.7979
4	2020	Taxiways	Lighting	Other Gen	Diesel	175	0.43	32.467	0.001033	0.003773	7.78E-06	0.000249	0.000229	0.000482	1.296112
4	2020	Taxiways	Lighting	Pickup Tru	Diesel	600	0.59	32.467	0.002784	0.007961	3.36E-05	0.000321	0.000295	0.001803	6.16503
4	2020	Taxiways	Lighting	Skid Steer l	Diesel	75	0.21	32.467	0.002426	0.002635	2.36E-06	0.000354	0.000326	0.000486	0.354605
4	2020	Taxiways	Lighting	Tractors/Lc	Diesel	100	0.21	32.467	0.002984	0.00231	3.04E-06	0.000412	0.000379	0.000488	0.473257
4	2020	Taxiways	Markings	Flatbed Tru	Diesel	600	0.59	709.714	0.060852	0.174014	0.000733	0.007017	0.006455	0.039244	134.7648
4	2020	Taxiways	Markings	Other Gen	Diesel	175	0.43	709.714	0.022588	0.082469	0.00017	0.005438	0.005003	0.01035	28.33243
4	2020	Taxiways	Markings	Pickup Tru	Diesel	600	0.59	709.714	0.060852	0.174014	0.000733	0.007017	0.006455	0.039244	134.7648

On-Road Sources
Units for Non-Greenhouse Gases Emission: Short Ton
Units for Greenhouse Gases (CO_2, CH_4, and N_2O) Emission: Metric Ton

Scenario ID	Year	Project	Equipment	Equipment	On-road Ac	Fuel	Roadway T	Round Trip	Distance fc	Number of	Number of	Number of	Project Len	Project Wi	Project Are	Building He	Open Spac	Number of	Activity Ra	VMT	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
1	2019	Demolitior	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	34	--	129	51242	30	--	--	--	--	--	341613	0.442909	0.750552	0.003399	0.031767	0.031009	0.007536	460.1089	0.080621	0.023571
1	2019	Demolitior	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	22	22	129	--	--	--	--	--	--	--	85140	0.271915	0.021066	0.000579	0.000482	0.000472	0.018614	33.03072	0.006045	0.000341
1	2019	Demolitior	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	12	--	129	25621	75	--	--	--	--	--	118616	0.154456	0.26062	0.00118	0.011031	0.010768	0.002653	159.7681	0.027993	0.008185
1	2019	Demolitior	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	43.89	43.89	129	--	--	--	--	--	--	--	169854	0.54247	0.042028	0.001155	0.000961	0.000942	0.037135	65.89618	0.01206	0.000679
1	2019	Noise Barri	Cement Mi	Single Unit	Material D	Diesel	Urban Unr	40	5	27	--	129	1300	900	--	--	--	--	--	270563	0.351037	0.594453	0.002692	0.02516	0.02456	0.005982	364.4165	0.063853	0.018669
1	2019	Noise Barri	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	14	--	129	1300	900	--	--	--	--	--	144300	0.185845	0.317018	0.001436	0.013417	0.013097	0.003115	194.3395	0.034055	0.009957
1	2019	Noise Barri	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	156.09	156.09	129	--	--	--	--	--	--	--	604068	1.929238	0.149467	0.004106	0.003418	0.003352	0.132065	234.3529	0.042889	0.002416
1	2019	Rehabilitat	Asphalt 18	Combinatic	Material D	Diesel	Urban Unr	40	5	2	--	129	7441	150	--	--	--	--	--	16195	0.032453	0.080211	0.000304	0.004441	0.004315	0.003376	39.9728	0.005328	0.001069
1	2019	Rehabilitat	Cement Mi	Single Unit	Material D	Diesel	Urban Unr	40	5	26	--	129	7441	150	--	--	--	--	--	258110	0.335713	0.567106	0.002568	0.024003	0.02343	0.005752	347.6532	0.060914	0.01781
1	2019	Rehabilitat	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--	129	7441	150	--	--	--	--	--	22943	0.032208	0.050449	0.000228	0.002136	0.002085	0.000641	30.92924	0.005415	0.001583
1	2019	Rehabilitat	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	14	--	129	7441	150	--	--	--	--	--	137659	0.179506	0.302465	0.00137	0.012802	0.012497	0.003093	185.4207	0.032488	0.009498
1	2019	Rehabilitat	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	557.7	557.7	129	--	--	--	--	--	--	--	2158299	6.893053	0.534035	0.014671	0.012213	0.011975	0.471861	837.3289	0.153239	0.008633
1	2019	Service Ro	Asphalt 18	Combinatic	Material D	Diesel	Urban Unr	40	5	1	--	129	1000	20	--	--	--	--	--	290	0.004135	0.001558	5.86E-06	8.61E-05	8.36E-05	0.001662	0.759346	9.54E-05	1.91E-05
1	2019	Service Ro	Cement Mi	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--	129	1000	20	--	--	--	--	--	4625	0.00785	0.010192	4.62E-05	0.000432	0.000422	0.000204	6.250342	0.001092	0.000319
1	2019	Service Ro	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--	129	1000	20	--	--	--	--	--	411	0.003828	0.000958	4.36E-06	4.20E-05	4.10E-05	0.00019	0.590991	9.70E-05	2.84E-05
1	2019	Service Ro	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	1	--	129	1000	20	--	--	--	--	--	2467	0.00579	0.005463	2.48E-05	0.000232	0.000227	0.000197	3.352174	0.000582	0.00017
1	2019	Service Ro	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	36	36	129	--	--	--	--	--	--	--	139320	0.444952	0.034472	0.000947	0.000788	0.000773	0.030459	54.05028	0.009892	0.000557
1	2019	Taxiways	Asphalt 18	Combinatic	Material D	Diesel	Urban Unr	40	5	4	--	129	18400	135	--	--	--	--	--	36042	0.070562	0.178454	0.000677	0.00988	0.009601	0.006763	88.93916	0.011858	0.002379
1	2019	Taxiways	Cement Mi	Single Unit	Material D	Diesel	Urban Unr	40	5	56	--	129	18400	135	--	--	--	--	--	574425	0.740731	1.261992	0.005715	0.053412	0.052137	0.012451	773.6312	0.135564	0.039635
1	2019	Taxiways	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	5	--	129	18400	135	--	--	--	--	--	51060	0.065919	0.112178	0.000508	0.004748	0.004635	0.001111	68.76808	0.01205	0.003523
1	2019	Taxiways	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	30	--	129	18400	135	--	--	--	--	--	306360	0.395515	0.67307	0.003048	0.028487	0.027807	0.006666	412.6085	0.072301	0.021139
1	2019	Taxiways	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	545.71	545.71	129	--	--	--	--	--	--	--	2111898	6.74486	0.522554	0.014356	0.01195	0.011718	0.461716	819.3272	0.149945	0.008448
1	2019	Terminal A	Asphalt 18	Combinatic	Material D	Diesel	Urban Unr	40	5	1	--	129	1300	400	--	--	--	--	--	7545	0.015371	0.037378	0.000142	0.002069	0.002011	0.001686	18.62579	0.002482	0.000498
1	2019	Terminal A	Cement Mi	Single Unit	Material D	Diesel	Urban Unr	40	5	12	--	129	1300	400	--	--	--	--	--	120250	0.156016	0.264201	0.001196	0.011182	0.010915	0.002659	161.9626	0.028379	0.008297
1	2019	Terminal A	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--	129	1300	400	--	--	--	--	--	10689	0.017075	0.023538	0.000107	0.000998	0.000974	0.000412	14.43324	0.002523	0.000738
1	2019	Terminal A	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	7	--	129	1300	400	--	--	--	--	--	64133	0.085269	0.140941	0.000638	0.005966	0.005824	0.001531	86.40301	0.015135	0.004425
1	2019	Terminal A	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	110	110	129	--	--	--	--	--	--	--	425700	1.359577	0.105332	0.002894	0.002409	0.002362	0.093069	165.1536	0.030225	0.001703
2	2019	Rehabilitat	Asphalt 18	Combinatic	Material D	Diesel	Urban Unr	40	5	5	--	43	7441	150	--	--	--	--	--	16195	0.032851	0.097485	0.000304	0.004439	0.004313	0.003035	37.84146	0.005263	0.001069
2	2019	Rehabilitat	Cement Mi	Single Unit	Material D	Diesel	Urban Unr	40	5	76	--	43	7441	150	--	--	--	--	--	258110	0.355308	0.710944	0.002575	0.024	0.023428	0.015227	324.1304	0.060398	0.01781
2	2019	Rehabilitat	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	7	--	43	7441	150	--	--	--	--	--	22943	0.031933	0.063335	0.000229	0.002134	0.002083	0.0014	28.81692	0.005369	0.001583
2	2019	Rehabilitat	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	41	--	43	7441	150	--	--	--	--	--	137659	0.190166	0.379438	0.001373	0.012801	0.012495	0.008209	172.8804	0.032212	0.009498
2	2019	Rehabilitat	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	62.26	62.26	43	--	--	--	--	--	--	--	80315	1.109831	0.02306	0.000478	0.002432	0.002196	0.031426	30.6726	0.005542	0.000321
2	2019	Taxiways	Asphalt 18	Combinatic	Material D	Diesel	Urban Unr	40	5	2	--	43	3070	135	--	--	--	--	--	6014	0.012422	0.036291	0.000113	0.001649	0.001602	0.001213	14.05602	0.001955	0.000397
2	2019	Taxiways	Cement Mi	Single Unit	Material D	Diesel	Urban Unr	40	5	28	--	43	3070	135	--	--	--	--	--	95842	0.131618	0.263863	0.000956	0.008912	0.008699	0.005612	120.3519	0.022427	0.006613
2	2019	Taxiways	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	3	--	43	3070	135	--	--	--	--	--	8519	0.012432	0.023746	8.51E-05	0.000793	0.000774	0.000596	10.70902	0.001993	0.000588
2	2019	Taxiways	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	15	--	43	3070	135	--	--	--	--	--	51116	0.070292	0.140766	0.00051	0.004753	0.00464	0.003006	64.18951	0.011961	0.003527
2	2019	Taxiways	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	122.43	122.43	43	--	--	--	--	--	--	--	157935	2.18241	0.045346	0.00094	0.004782	0.004318	0.061798	60.31594	0.010898	0.000632
2	2019	Terminal A	Asphalt 18	Combinatic	Material D	Diesel	Urban Unr	40	5	3	--	43	1300	400	--	--	--	--	--	7545	0.016347	0.045838	0.000142	0.002069	0.002011	0.001814	17.64673	0.002452	0.000498
2	2019	Terminal A	Cement Mi	Single Unit	Material D	Diesel	Urban Unr	40	5	35	--	43	1300	400	--	--	--	--	--	120250	0.164949	0.330986	0.0012	0.011181	0.010914	0.007017	150.9989	0.028139	0.008297
2	2019	Terminal A	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	4	--	43	1300	400	--	--	--	--	--	10689	0.015936	0.02993	0.000107	0.000995	0.000971	0.000792	13.44215	0.002501	0.000738
2	2019	Terminal A	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	19	--	43	1300	400	--	--	--	--	--	64133	0.08845	0.176716	0.00064	0.005964	0.005821	0.003805	80.53979	0.015007	0.004425
2	2019	Terminal A	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	44	44	43	--	--	--	--	--	--	--	56760	0.784334	0.016297	0.000338	0.001719	0.001552	0.022209	21.67685	0.003916	0.000227
3	2020	Demolitior	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	27	--	129	40544	30	--	--	--	--	--	270293	0.329315	0.547083	0.002689	0.022144	0.021544	0.005927	364.0604	0.057032	0.018921
3	2020	Demolitior	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	26.95	26.95	129	--	--	--	--	--	--	--	104297	0.327594	0.023676	0.000709	0.000586	0.000579	0.022127	39.87845	0.007092	0.000417
3	2020	Demolitior	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	10	--	129	20272	75	--	--	--	--	--	93852	0.116493	0.189996	0.000934	0.007691	0.007483	0.002175	126.4346	0.019803	0.00657
3	2020	Demolitior	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	53.9	53.9	129	--	--	--	--	--	--	--	208593	0.655186	0.047351	0.001418	0.001173	0.001157	0.044255	79.75652	0.014184	0.000834
3	2020	Taxiways	Asphalt 18	Combinatic	Material D	Diesel	Urban Unr	40	5	4	--	129	18200	135	--	--	--	--	--	35651	0.064335	0.159389	0.00067	0.008553	0.008277	0.006886	87.97963	0.01066	0.002389
3	2020	Taxiways	Cement Mi	Single Unit	Material D	Diesel	Urban Unr	40	5	56	--	129	18200	135	--	--	--	--	--	568181	0.689652	1.149977	0.005653	0.046546	0.045286	0.012319	765.2592	0.119886	0.039773
3	2020	Taxiways	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	5	--	129	18200	135	--	--	--	--	--	50505	0.061379	0.102221	0.000502	0.004138	0.004025	0.001099	68.02393	0.010657	0.003535
3	2020	Taxiways	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	30	--	129	18200	135	--	--	--	--	--	303030	0.368273	0.613329	0.003015	0.024825	0.024153	0.006595	408.1436	0.063939	0.021212
3	2020	Taxiways	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	491.15	491.15	129	--	--	--	--	--	--	--	1900751	5.970219	0.431478	0.012921	0.010686	0.010546	0.403262	726.7611	0.129251	0.007603
4	2020	Taxiways	Asphalt 18	Combinatic	Material D	Diesel	Urban Unr	40	5	2	--	43	2300	135	--	--	--	--	--	4505	0.009374	0.024942	7.98E-05	0.001082	0.001047	0.00121	10.5419	0.001329	0.000302
4	2020	Taxiways	Cement Mi	Single Unit	Material D	Diesel	Urban Unr	40	5	21	--	43	2300	135	--	--	--	--	--	71803	0.092938	0.182973	0.000716	0.005882	0.005723	0.004106	90.16611	0.015007	0.005026
4	2020	Taxiways	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	2	--	43	2300	135	--	--	--	--	--	6383	0.008453	0.016342	6.37E-05	0.000523	0.000509	0.000389	8.018388	0.001334	0.000447
4	2020	Taxiways	Dump Truc	Single Unit	Material D	Diesel	Urban Unr	40	5	12	--	43	2300	135	--	--	--	--	--	38295	0.050713	0.098043	0.000382	0.003138	0.003053	0.002337	48.10658	0.008004	0.002681
4	2020	Taxiways	Passenger	Passenger	Employee (	Gasoline	Urban Unr	30	--	63.91	63.91	43	--	--	--	--	--	--	--	82444	1.131466	0.021908	0.000491	0.002469	0.002227	0.029887	31.03026	0.005359	0.00033

Fugitive Sources
Units for Non-Greenhouse Gases Emission: Short Ton

Scenario ID	Year	Project	Fugitive So	Number of	CO	NOx	SO2	PM10	VOC
1	2019	Demolitior	Material M	6	0	0	0	0.1018	0
1	2019	Demolitior	Material M	6	0	0	0	0.32665	0
1	2019	Demolitior	Soil Handli	6	0	0	0	0.4351	0
1	2019	Demolitior	Unstabilize	6	0	0	0	3.10E-07	0
1	2019	Demolitior	Material M	6	0	0	0	0.0359	0
1	2019	Demolitior	Material M	6	0	0	0	0.14985	0
1	2019	Demolitior	Soil Handli	6	0	0	0	0.5439	0
1	2019	Demolitior	Unstabilize	6	0	0	0	3.88E-07	0
1	2019	Noise Barri	Material M	6	0	0	0	0.12275	0
1	2019	Noise Barri	Material M	6	0	0	0	0.37625	0
1	2019	Noise Barri	Soil Handli	6	0	0	0	0.33115	0
1	2019	Noise Barri	Unstabilize	6	0	0	0	2.36E-07	0
1	2019	Rehabilitat	Concrete N	6	0	0	0	0.955	0
1	2019	Rehabilitat	Material M	6	0	0	0	0.1347	0
1	2019	Rehabilitat	Material M	6	0	0	0	0.4246	0
1	2019	Rehabilitat	Soil Handli	6	0	0	0	0.3159	0
1	2019	Rehabilitat	Unstabilize	6	0	0	0	2.25E-07	0
1	2019	Service Ro	Asphalt Dr	6	0	0	0	0	0.74195
1	2019	Service Ro	Asphalt Stc	6	0.0484	0.003022	0.000556	0.003314	0.001499
1	2019	Service Ro	Material M	6	0	0	0	0.01195	0
1	2019	Service Ro	Material M	6	0	0	0	0.03605	0
1	2019	Service Ro	Soil Handli	6	0	0	0	0.00565	0
1	2019	Service Ro	Unstabilize	6	0	0	0	4.03E-09	0
1	2019	Taxiways	Asphalt Dr	6	0	0	0	0	27.7092
1	2019	Taxiways	Asphalt Stc	6	6.0102	0.37525	0.06905	0.4116	0.18615
1	2019	Taxiways	Concrete N	6	0	0	0	2.12535	0
1	2019	Taxiways	Material M	6	0	0	0	0.2844	0
1	2019	Taxiways	Material M	6	0	0	0	0.9091	0
1	2019	Taxiways	Soil Handli	6	0	0	0	0.70305	0
1	2019	Taxiways	Unstabilize	6	0	0	0	5.01E-07	0
1	2019	Terminal A	Asphalt Dr	6	0	0	0	0	0
1	2019	Terminal A	Asphalt Stc	6	1.25815	0.07855	0.01445	0.08615	0.03895
1	2019	Terminal A	Material M	6	0	0	0	0.06585	0
1	2019	Terminal A	Material M	6	0	0	0	0.20805	0
1	2019	Terminal A	Soil Handli	6	0	0	0	0.1472	0
1	2019	Terminal A	Unstabilize	6	0	0	0	1.05E-07	0
2	2019	Rehabilitat	Asphalt Dr	2	0	0	0	0	24.87638
2	2019	Rehabilitat	Asphalt Stc	2	2.7006	0.1686	0.03105	0.18495	0.08365
2	2019	Rehabilitat	Material M	2	0	0	0	0.12875	0
2	2019	Rehabilitat	Material M	2	0	0	0	0.382	0
2	2019	Taxiways	Asphalt Dr	2	0	0	0	0	5.54184
2	2019	Taxiways	Asphalt Stc	2	1.0028	0.0626	0.0115	0.06865	0.03105
2	2019	Taxiways	Concrete N	2	0	0	0	0.3546	0
2	2019	Taxiways	Material M	2	0	0	0	0.0479	0
2	2019	Taxiways	Material M	2	0	0	0	0.14265	0
2	2019	Terminal A	Asphalt Dr	2	0	0	0	0	0
2	2019	Terminal A	Asphalt Stc	2	1.25815	0.07855	0.01445	0.08615	0.03895
2	2019	Terminal A	Material M	2	0	0	0	0.06085	0
2	2019	Terminal A	Material M	2	0	0	0	0.1804	0
3	2020	Demolitior	Material M	6	0	0	0	0.08085	0
3	2020	Demolitior	Material M	6	0	0	0	0.2593	0
3	2020	Demolitior	Soil Handli	6	0	0	0	0.34425	0
3	2020	Demolitior	Unstabilize	6	0	0	0	2.45E-07	0
3	2020	Demolitior	Material M	6	0	0	0	0.02995	0
3	2020	Demolitior	Material M	6	0	0	0	0.12305	0
3	2020	Demolitior	Soil Handli	6	0	0	0	0.43035	0
3	2020	Demolitior	Unstabilize	6	0	0	0	3.07E-07	0
3	2020	Taxiways	Asphalt Dr	6	0	0	0	0	31.10786
3	2020	Taxiways	Asphalt Stc	6	5.9449	0.3712	0.0683	0.4071	0.1841
3	2020	Taxiways	Concrete N	6	0	0	0	2.10225	0
3	2020	Taxiways	Material M	6	0	0	0	0.2844	0
3	2020	Taxiways	Material M	6	0	0	0	0.90835	0
3	2020	Taxiways	Soil Handli	6	0	0	0	0.69545	0
3	2020	Taxiways	Unstabilize	6	0	0	0	4.96E-07	0

4	2020	Taxiways	Asphalt Dr	2	0	0	0	0	4.443695
4	2020	Taxiways	Asphalt Stc	2	0.7513	0.0469	0.00865	0.05145	0.02325
4	2020	Taxiways	Concrete M	2	0	0	0	0.26565	0
4	2020	Taxiways	Material M	2	0	0	0	0.0369	0
4	2020	Taxiways	Material M	2	0	0	0	0.10995	0

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INPUT DATA AND SPECIFICATIONS

State/County
Michigan
Wayne County

Scenarios

Scenario ID	Year	Number of	Season	Average Da	Max Daily T	Min Daily Temp Change (degF)
1	2019	6	Summer	50 < T <= 8	0 <= Chang	10 <= Change in T < 20
2	2019	2	Winter	50 < T <= 8	0 <= Chang	0 <= Change in T < 10
3	2020	6	Summer	50 < T <= 8	0 <= Chang	10 <= Change in T < 20
4	2020	2	Winter	50 < T <= 8	0 <= Chang	0 <= Change in T < 10
5						

Project Final Selections

Scenario ID	Project	Constructio	Equipment	Fuel Type	
1	Demolition	Asphalt De	Dozer	Diesel	
1	Demolition	Asphalt De	Excavator	Diesel	
1	Demolition	Asphalt De	Pickup Tru	Diesel	
1	Demolition	Concrete D	Excavator	Diesel	
1	Demolition	Concrete D	Excavator	Diesel	
1	Demolition	Concrete D	Pickup Tru	Diesel	
1	Noise Barri	Clearing an	Chain Saw	Diesel	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Noise Barri	Clearing an	Chipper/St	Diesel	
1	Noise Barri	Clearing an	Pickup Tru	Diesel	
1	Noise Barri	Dust Contr	Water Truc	Diesel	
1	Noise Barri	Excavation	Dozer	Diesel	
1	Noise Barri	Excavation	Dump Truc	Diesel	
1	Noise Barri	Excavation	Pickup Tru	Diesel	
1	Noise Barri	Excavation	Roller	Diesel	
1	Noise Barri	Excavation	Dozer	Diesel	
1	Noise Barri	Grading	Dozer	Diesel	
1	Noise Barri	Grading	Grader	Diesel	
1	Noise Barri	Grading	Roller	Diesel	
1	Noise Barri	Hydroseed	Hydroseed	Diesel	
1	Noise Barri	Hydroseed	Off-Road T	Diesel	
1	Noise Barri	Soil Erosior	Other Gen	Diesel	
1	Noise Barri	Soil Erosior	Pickup Tru	Diesel	
1	Noise Barri	Soil Erosior	Pumps	Diesel	
1	Noise Barri	Soil Erosior	Tractors/L	Diesel	
1	Rehabilitat	Cold Millin	Cold Plane	Diesel	
1	Rehabilitat	Cold Millin	Dump Truc	Diesel	
1	Rehabilitat	Cold Millin	Pickup Tru	Diesel	
1	Rehabilitat	Cold Millin	Sweepers	Diesel	
1	Rehabilitat	Cold Millin	Water Truc	Diesel	
1	Rehabilitat	Concrete D	Concrete S	Diesel	
1	Rehabilitat	Concrete D	Excavator	Diesel	
1	Rehabilitat	Concrete D	Hydraulic H	Diesel	
1	Rehabilitat	Concrete D	Other Gen	Diesel	
1	Rehabilitat	Concrete D	Pickup Tru	Diesel	
1	Rehabilitat	Concrete P	Air Compr	Diesel	
1	Rehabilitat	Concrete P	Concrete S	Diesel	
1	Rehabilitat	Concrete P	Concrete T	Diesel	
1	Rehabilitat	Concrete P	Other Gen	Diesel	
1	Rehabilitat	Concrete P	Pickup Tru	Diesel	
1	Rehabilitat	Concrete P	Rubber Tir	Diesel	
1	Rehabilitat	Concrete P	Slip Form F	Diesel	
1	Rehabilitat	Concrete P	Surfacing E	Diesel	
1	Rehabilitat	Dust Contr	Water Truc	Diesel	
1	Rehabilitat	Excavation	Dozer	Diesel	
1	Rehabilitat	Excavation	Dump Truc	Diesel	
1	Rehabilitat	Excavation	Excavator	Diesel	
1	Rehabilitat	Excavation	Pickup Tru	Diesel	
1	Rehabilitat	Excavation	Roller	Diesel	
1	Rehabilitat	Excavation	Dozer	Diesel	
1	Rehabilitat	Grading	Dozer	Diesel	
1	Rehabilitat	Grading	Grader	Diesel	
1	Rehabilitat	Grading	Roller	Diesel	
1	Rehabilitat	Hydroseed	Hydroseed	Diesel	
1	Rehabilitat	Hydroseed	Off-Road T	Diesel	
1	Rehabilitat	Soil Erosior	Other Gen	Diesel	
1	Rehabilitat	Soil Erosior	Pickup Tru	Diesel	
1	Rehabilitat	Soil Erosior	Pumps	Diesel	
1	Rehabilitat	Soil Erosior	Tractors/L	Diesel	
1	Rehabilitat	Subbase Pl	Dozer	Diesel	
1	Rehabilitat	Subbase Pl	Dump Truc	Diesel	
1	Rehabilitat	Subbase Pl	Pickup Tru	Diesel	
1	Rehabilitat	Subbase Pl	Roller	Diesel	
1	Rehabilitat	Topsoil Pla	Dozer	Diesel	
1	Rehabilitat	Topsoil Pla	Dump Truc	Diesel	
1	Rehabilitat	Topsoil Pla	Pickup Tru	Diesel	
1	Service Ro	Asphalt Pla	Asphalt Pa	Diesel	
1	Service Ro	Asphalt Pla	Dump Truc	Diesel	
1	Service Ro	Asphalt Pla	Other Gen	Diesel	
1	Service Ro	Asphalt Pla	Pickup Tru	Diesel	
1	Service Ro	Asphalt Pla	Roller	Diesel	
1	Service Ro	Asphalt Pla	Skid Steer	Diesel	
1	Service Ro	Asphalt Pla	Surfacing E	Diesel	
1	Service Ro	Drainage -	Dump Truc	Diesel	
1	Service Ro	Drainage -	Loader	Diesel	
1	Service Ro	Drainage -	Other Gen	Diesel	
1	Service Ro	Drainage -	Pickup Tru	Diesel	
1	Service Ro	Drainage -	Tractors/L	Diesel	
1	Service Ro	Dust Contr	Water Truc	Diesel	
1	Service Ro	Excavation	Dozer	Diesel	
1	Service Ro	Excavation	Dump Truc	Diesel	
1	Service Ro	Excavation	Excavator	Diesel	
1	Service Ro	Excavation	Pickup Tru	Diesel	
1	Service Ro	Excavation	Roller	Diesel	
1	Service Ro	Excavation	Scraper	Diesel	
1	Service Ro	Excavation	Dozer	Diesel	
1	Service Ro	Grading	Dozer	Diesel	
1	Service Ro	Grading	Grader	Diesel	
1	Service Ro	Grading	Roller	Diesel	
1	Service Ro	Hydroseed	Hydroseed	Diesel	
1	Service Ro	Hydroseed	Off-Road T	Diesel	
1	Service Ro	Soil Erosior	Other Gen	Diesel	
1	Service Ro	Soil Erosior	Pickup Tru	Diesel	
1	Service Ro	Soil Erosior	Pumps	Diesel	
1	Service Ro	Soil Erosior	Tractors/L	Diesel	
1	Service Ro	Subbase Pl	Dozer	Diesel	
1	Service Ro	Subbase Pl	Dump Truc	Diesel	
1	Service Ro	Subbase Pl	Pickup Tru	Diesel	
1	Service Ro	Subbase Pl	Roller	Diesel	
1	Service Ro	Topsoil Pla	Dozer	Diesel	
1	Service Ro	Topsoil Pla	Dump Truc	Diesel	
1	Service Ro	Topsoil Pla	Pickup Tru	Diesel	
1	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	
1	Taxiways	Asphalt Pla	Dump Truc	Diesel	
1	Taxiways	Asphalt Pla	Other Gen	Diesel	
1	Taxiways	Asphalt Pla	Pickup Tru	Diesel	
1	Taxiways	Asphalt Pla	Roller	Diesel	
1	Taxiways	Asphalt Pla	Skid Steer	Diesel	
1	Taxiways	Asphalt Pla	Surfacing E	Diesel	
1	Taxiways	Concrete P	Air Compr	Diesel	
1	Taxiways	Concrete P	Concrete S	Diesel	
1	Taxiways	Concrete P	Concrete T	Diesel	
1	Taxiways	Concrete P	Other Gen	Diesel	
1	Taxiways	Concrete P	Pickup Tru	Diesel	
1	Taxiways	Concrete P	Rubber Tir	Diesel	
1	Taxiways	Concrete P	Slip Form F	Diesel	
1	Taxiways	Concrete P	Surfacing E	Diesel	
1	Taxiways	Drainage -	Dump Truc	Diesel	
1	Taxiways	Drainage -	Loader	Diesel	
1	Taxiways	Drainage -	Other Gen	Diesel	
1	Taxiways	Drainage -	Pickup Tru	Diesel	
1	Taxiways	Drainage -	Tractors/L	Diesel	
1	Taxiways	Dust Contr	Water Truc	Diesel	
1	Taxiways	Excavation	Dozer	Diesel	
1	Taxiways	Excavation	Dump Truc	Diesel	
1	Taxiways	Excavation	Excavator	Diesel	
1	Taxiways	Excavation	Pickup Tru	Diesel	
1	Taxiways	Excavation	Roller	Diesel	
1	Taxiways	Excavation	Scraper	Diesel	
1	Taxiways	Excavation	Dozer	Diesel	
1	Taxiways	Grading	Dozer	Diesel	
1	Taxiways	Grading	Grader	Diesel	
1	Taxiways	Grading	Roller	Diesel	
1	Taxiways	Hydroseed	Hydroseed	Diesel	
1	Taxiways	Hydroseed	Off-Road T	Diesel	
1	Taxiways	Lighting	Dump Truc	Diesel	
1	Taxiways	Lighting	Loader	Diesel	
1	Taxiways	Lighting	Other Gen	Diesel	
1	Taxiways	Lighting	Pickup Tru	Diesel	
1	Taxiways	Lighting	Skid Steer	Diesel	
1	Taxiways	Lighting	Tractors/L	Diesel	
1	Taxiways	Markings	Flatbed Tr	Diesel	
1	Taxiways	Markings	Other Gen	Diesel	
1	Taxiways	Markings	Pickup Tru	Diesel	
1	Taxiways	Soil Erosior	Other Gen	Diesel	
1	Taxiways	Soil Erosior	Pickup Tru	Diesel	
1	Taxiways	Soil Erosior	Pumps	Diesel	
1	Taxiways	Soil Erosior	Tractors/L	Diesel	
1	Taxiways	Subbase Pl	Dozer	Diesel	
1	Taxiways	Subbase Pl	Dump Truc	Diesel	
1	Taxiways	Subbase Pl	Pickup Tru	Diesel	
1	Taxiways	Subbase Pl	Roller	Diesel	

1	Taxiways	Topsoil Pla	Dozer	Diesel	
1	Taxiways	Topsoil Pla	Dump Truc	Diesel	
1	Taxiways	Topsoil Pla	Pickup Tru	Diesel	
1	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	
1	Terminal A	Asphalt Pla	Dump Truc	Diesel	
1	Terminal A	Asphalt Pla	Other Gen	Diesel	
1	Terminal A	Asphalt Pla	Pickup Tru	Diesel	
1	Terminal A	Asphalt Pla	Roller	Diesel	
1	Terminal A	Asphalt Pla	Skid Steer	Diesel	
1	Terminal A	Asphalt Pla	Surfacing E	Diesel	
1	Terminal A	Drainage -	Dump Truc	Diesel	
1	Terminal A	Drainage -	Loader	Diesel	
1	Terminal A	Drainage -	Other Gen	Diesel	
1	Terminal A	Drainage -	Pickup Tru	Diesel	
1	Terminal A	Drainage -	Tractors/L	Diesel	
1	Terminal A	Dust Contr	Water Truc	Diesel	
1	Terminal A	Excavation	Dozer	Diesel	
1	Terminal A	Excavation	Dump Truc	Diesel	
1	Terminal A	Excavation	Excavator	Diesel	
1	Terminal A	Excavation	Pickup Tru	Diesel	
1	Terminal A	Excavation	Roller	Diesel	
1	Terminal A	Excavation	Scraper	Diesel	
1	Terminal A	Excavation	Dozer	Diesel	
1	Terminal A	Grading	Dozer	Diesel	
1	Terminal A	Grading	Grader	Diesel	
1	Terminal A	Grading	Roller	Diesel	
1	Terminal A	Hydroseed	Hydroseed	Diesel	
1	Terminal A	Hydroseed	Off-Road T	Diesel	
1	Terminal A	Sealing/Fu	Distributin	Diesel	
1	Terminal A	Sealing/Fu	Other Gen	Diesel	
1	Terminal A	Sealing/Fu	Pickup Tru	Diesel	
1	Terminal A	Soil Erosior	Other Gen	Diesel	
1	Terminal A	Soil Erosior	Pickup Tru	Diesel	
1	Terminal A	Soil Erosior	Pumps	Diesel	
1	Terminal A	Soil Erosior	Tractors/L	Diesel	
1	Terminal A	Subbase Pl	Dozer	Diesel	
1	Terminal A	Subbase Pl	Dump Truc	Diesel	
1	Terminal A	Subbase Pl	Pickup Tru	Diesel	
1	Terminal A	Subbase Pl	Roller	Diesel	
1	Terminal A	Topsoil Pla	Dozer	Diesel	
1	Terminal A	Topsoil Pla	Dump Truc	Diesel	
1	Terminal A	Topsoil Pla	Pickup Tru	Diesel	
2	Rehabilitat	Asphalt Pla	Asphalt Pa	Diesel	
2	Rehabilitat	Asphalt Pla	Dump Truc	Diesel	
2	Rehabilitat	Asphalt Pla	Other Gen	Diesel	
2	Rehabilitat	Asphalt Pla	Pickup Tru	Diesel	
2	Rehabilitat	Asphalt Pla	Roller	Diesel	
2	Rehabilitat	Asphalt Pla	Skid Steer	Diesel	
2	Rehabilitat	Asphalt Pla	Surfacing E	Diesel	
2	Rehabilitat	Lighting	Dump Truc	Diesel	
2	Rehabilitat	Lighting	Loader	Diesel	
2	Rehabilitat	Lighting	Other Gen	Diesel	
2	Rehabilitat	Lighting	Pickup Tru	Diesel	
2	Rehabilitat	Lighting	Skid Steer	Diesel	
2	Rehabilitat	Lighting	Tractors/L	Diesel	
2	Rehabilitat	Markings	Flatbed Tr	Diesel	
2	Rehabilitat	Markings	Pickup Tru	Diesel	
2	Rehabilitat	Sealing Rar	Crack Clea	Diesel	
2	Rehabilitat	Sealing Rar	Crack Fille	Diesel	
2	Rehabilitat	Sealing Rar	Flatbed Tr	Diesel	
2	Rehabilitat	Sealing Rar	Other Gen	Diesel	
2	Rehabilitat	Sealing Rar	Pickup Tru	Diesel	
2	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	
2	Taxiways	Asphalt Pla	Dump Truc	Diesel	
2	Taxiways	Asphalt Pla	Other Gen	Diesel	
2	Taxiways	Asphalt Pla	Pickup Tru	Diesel	
2	Taxiways	Asphalt Pla	Roller	Diesel	
2	Taxiways	Asphalt Pla	Skid Steer	Diesel	
2	Taxiways	Asphalt Pla	Surfacing E	Diesel	
2	Taxiways	Concrete P	Air Compr	Diesel	
2	Taxiways	Concrete P	Concrete S	Diesel	
2	Taxiways	Concrete P	Concrete T	Diesel	
2	Taxiways	Concrete P	Other Gen	Diesel	
2	Taxiways	Concrete P	Pickup Tru	Diesel	
2	Taxiways	Concrete P	Rubber Tir	Diesel	
2	Taxiways	Concrete P	Slip Form F	Diesel	
2	Taxiways	Concrete P	Surfacing E	Diesel	
2	Taxiways	Drainage -	Dump Truc	Diesel	
2	Taxiways	Drainage -	Loader	Diesel	
2	Taxiways	Drainage -	Other Gen	Diesel	
2	Taxiways	Drainage -	Pickup Tru	Diesel	
2	Taxiways	Drainage -	Tractors/L	Diesel	
2	Taxiways	Lighting	Dump Truc	Diesel	
2	Taxiways	Lighting	Loader	Diesel	
2	Taxiways	Lighting	Other Gen	Diesel	
2	Taxiways	Lighting	Pickup Tru	Diesel	
2	Taxiways	Lighting	Skid Steer	Diesel	
2	Taxiways	Lighting	Tractors/L	Diesel	
2	Taxiways	Markings	Flatbed Tr	Diesel	
2	Taxiways	Markings	Other Gen	Diesel	
2	Taxiways	Markings	Pickup Tru	Diesel	
2	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	
2	Terminal A	Asphalt Pla	Dump Truc	Diesel	
2	Terminal A	Asphalt Pla	Other Gen	Diesel	
2	Terminal A	Asphalt Pla	Pickup Tru	Diesel	
2	Terminal A	Asphalt Pla	Roller	Diesel	
2	Terminal A	Asphalt Pla	Skid Steer	Diesel	
2	Terminal A	Asphalt Pla	Surfacing E	Diesel	
2	Terminal A	Lighting	Dump Truc	Diesel	
2	Terminal A	Lighting	Loader	Diesel	
2	Terminal A	Lighting	Other Gen	Diesel	
2	Terminal A	Lighting	Pickup Tru	Diesel	
2	Terminal A	Lighting	Skid Steer	Diesel	
2	Terminal A	Lighting	Tractors/L	Diesel	
2	Terminal A	Markings	Flatbed Tr	Diesel	
2	Terminal A	Markings	Other Gen	Diesel	
2	Terminal A	Markings	Pickup Tru	Diesel	
3	Demolition	Asphalt De	Dozer	Diesel	
3	Demolition	Asphalt De	Excavator	Diesel	
3	Demolition	Asphalt De	Pickup Tru	Diesel	
3	Demolition	Concrete D	Excavator	Diesel	
3	Demolition	Concrete D	Excavator	Diesel	
3	Demolition	Concrete D	Pickup Tru	Diesel	
3	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	
3	Taxiways	Asphalt Pla	Dump Truc	Diesel	
3	Taxiways	Asphalt Pla	Other Gen	Diesel	
3	Taxiways	Asphalt Pla	Pickup Tru	Diesel	
3	Taxiways	Asphalt Pla	Roller	Diesel	
3	Taxiways	Asphalt Pla	Skid Steer	Diesel	
3	Taxiways	Asphalt Pla	Surfacing E	Diesel	
3	Taxiways	Concrete P	Air Compr	Diesel	
3	Taxiways	Concrete P	Concrete S	Diesel	
3	Taxiways	Concrete P	Concrete T	Diesel	
3	Taxiways	Concrete P	Other Gen	Diesel	
3	Taxiways	Concrete P	Pickup Tru	Diesel	
3	Taxiways	Concrete P	Rubber Tir	Diesel	
3	Taxiways	Concrete P	Slip Form F	Diesel	
3	Taxiways	Concrete P	Surfacing E	Diesel	
3	Taxiways	Drainage -	Dump Truc	Diesel	
3	Taxiways	Drainage -	Loader	Diesel	
3	Taxiways	Drainage -	Other Gen	Diesel	
3	Taxiways	Drainage -	Pickup Tru	Diesel	
3	Taxiways	Drainage -	Tractors/L	Diesel	
3	Taxiways	Dust Contr	Water Truc	Diesel	
3	Taxiways	Excavation	Dozer	Diesel	
3	Taxiways	Excavation	Dump Truc	Diesel	
3	Taxiways	Excavation	Excavator	Diesel	
3	Taxiways	Excavation	Pickup Tru	Diesel	
3	Taxiways	Excavation	Roller	Diesel	
3	Taxiways	Excavation	Scraper	Diesel	
3	Taxiways	Excavation	Dozer	Diesel	
3	Taxiways	Grading	Dozer	Diesel	
3	Taxiways	Grading	Grader	Diesel	
3	Taxiways	Grading	Roller	Diesel	
3	Taxiways	Hydroseed	Hydroseed	Diesel	
3	Taxiways	Hydroseed	Off-Road T	Diesel	
3	Taxiways	Lighting	Dump Truc	Diesel	
3	Taxiways	Lighting	Loader	Diesel	
3	Taxiways	Lighting	Other Gen	Diesel	
3	Taxiways	Lighting	Pickup Tru	Diesel	
3	Taxiways	Lighting	Skid Steer	Diesel	
3	Taxiways	Lighting	Tractors/L	Diesel	
3	Taxiways	Markings	Flatbed Tr	Diesel	
3	Taxiways	Markings	Other Gen	Diesel	
3	Taxiways	Markings	Pickup Tru	Diesel	
3	Taxiways	Soil Erosior	Other Gen	Diesel	
3	Taxiways	Soil Erosior	Pickup Tru	Diesel	
3	Taxiways	Soil Erosior	Pumps	Diesel	
3	Taxiways	Soil Erosior	Tractors/L	Diesel	
3	Taxiways	Subbase Pl	Dozer	Diesel	
3	Taxiways	Subbase Pl	Dump Truc	Diesel	
3	Taxiways	Subbase Pl	Pickup Tru	Diesel	
3	Taxiways	Subbase Pl	Roller	Diesel	
3	Taxiways	Topsoil Pla	Dozer	Diesel	
3	Taxiways	Topsoil Pla	Dump Truc	Diesel	
3	Taxiways	Topsoil Pla	Pickup Tru	Diesel	
4	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	
4	Taxiways	Asphalt Pla	Dump Truc	Diesel	
4	Taxiways	Asphalt Pla	Other Gen	Diesel	
4	Taxiways	Asphalt Pla	Pickup Tru	Diesel	
4	Taxiways	Asphalt Pla	Roller	Diesel	
4	Taxiways	Asphalt Pla	Skid Steer	Diesel	
4	Taxiways	Asphalt Pla	Surfacing E	Diesel	
4	Taxiways	Concrete P	Air Compr	Diesel	
4	Taxiways	Concrete P	Concrete S	Diesel	
4	Taxiways	Concrete P	Concrete T	Diesel	
4	Taxiways	Concrete P	Other Gen	Diesel	

4	Taxiways	Concrete P	Pickup Tru	Diesel	
4	Taxiways	Concrete P	Rubber Tir	Diesel	
4	Taxiways	Concrete P	Slip Form F	Diesel	
4	Taxiways	Concrete P	Surfacing E	Diesel	
4	Taxiways	Drainage -	Dump Truc	Diesel	
4	Taxiways	Drainage -	Loader	Diesel	
4	Taxiways	Drainage -	Other Gen	Diesel	
4	Taxiways	Drainage -	Pickup Tru	Diesel	
4	Taxiways	Drainage -	Tractors/L	Diesel	
4	Taxiways	Lighting	Dump Truc	Diesel	
4	Taxiways	Lighting	Loader	Diesel	
4	Taxiways	Lighting	Other Gen	Diesel	
4	Taxiways	Lighting	Pickup Tru	Diesel	
4	Taxiways	Lighting	Skid Steer	Diesel	
4	Taxiways	Lighting	Tractors/L	Diesel	
4	Taxiways	Markings	Flatbed Tr	Diesel	
4	Taxiways	Markings	Other Gen	Diesel	
4	Taxiways	Markings	Pickup Tru	Diesel	

Overall Size

Scenario ID	Project	Project Size	User Input	Unit
1	Demolition	What is the	2	$ Million(s)
1	Demolition	What is the	51242	Feet
1	Demolition	What is the	30	Feet
1	Demolition	What is the	3.99	$ Million(s)
1	Demolition	What is the	25621	Feet
1	Demolition	What is the	75	Feet
1	Noise Barri	What is the	14.19	$ Million(s)
1	Noise Barri	What is the	20	Feet
1	Noise Barri	What is the	1300	Feet
1	Noise Barri	What is the	900	Feet
1	Rehabilitat	What is the	50.7	$ Million(s)
1	Rehabilitat	What is the	7441	Feet
1	Rehabilitat	What is the	150	Feet
1	Service Ro	What is the	3	$ Million(s)
1	Service Ro	What is the	1000	Feet
1	Service Ro	What is the	20	Feet
1	Taxiways	What is the	49.61	$ Million(s)
1	Taxiways	What is the	18400	Feet
1	Taxiways	What is the	135	Feet
1	Terminal A	What is the	10	$ Million(s)
1	Terminal A	What is the	1300	Feet
1	Terminal A	What is the	400	Feet
2	Rehabilitat	What is the	5.66	$ Million(s)
2	Rehabilitat	What is the	7441	Feet
2	Rehabilitat	What is the	150	Feet
2	Taxiways	What is the	11.13	$ Million(s)
2	Taxiways	What is the	3070	Feet
2	Taxiways	What is the	135	Feet
2	Terminal A	What is the	4	$ Million(s)
2	Terminal A	What is the	1300	Feet
2	Terminal A	What is the	400	Feet
3	Demolition	What is the	2.45	$ Million(s)
3	Demolition	What is the	40544	Feet
3	Demolition	What is the	30	Feet
3	Demolition	What is the	4.9	$ Million(s)
3	Demolition	What is the	20272	Feet
3	Demolition	What is the	75	Feet
3	Taxiways	What is the	44.65	$ Million(s)
3	Taxiways	What is the	18200	Feet
3	Taxiways	What is the	135	Feet
4	Taxiways	What is the	5.81	$ Million(s)
4	Taxiways	What is the	2300	Feet
4	Taxiways	What is the	135	Feet

Size Detail (Estimated based on engineering experience)

ScenarioID	Project	Constructic	Default Act	Unit	User Activity Size
1	Demolition	Asphalt De	1537260	Square Feet	
1	Demolition	Concrete D	1921575	Square Feet	
1	Noise Barri	Clearing an	24	Acres	
1	Noise Barri	Dust Contr	180	Days	
1	Noise Barri	Excavation	54112.5	Cubic Yards	
1	Noise Barri	Excavation	129870	Square Yards	
1	Noise Barri	Grading	130869	Square Yards	
1	Noise Barri	Hydroseed	1179000	Square Feet	
1	Noise Barri	Soil Erosior	24	Acres	
1	Rehabilitat	Cold Millin	123892.7	Square Yards	
1	Rehabilitat	Concrete D	123892.7	Square Feet	
1	Rehabilitat	Concrete D	1116150	Square Feet	
1	Rehabilitat	Concrete P	51621.9	Cubic Yards	
1	Rehabilitat	Dust Contr	180	Days	
1	Rehabilitat	Excavation	10324.4	Cubic Yards	
1	Rehabilitat	Excavation	24778.5	Square Yards	
1	Rehabilitat	Grading	26466	Square Yards	
1	Rehabilitat	Hydroseed	26466	Square Feet	
1	Rehabilitat	Soil Erosior	5.5	Acres	
1	Rehabilitat	Subbase Pl	123892.7	Square Yards	
1	Rehabilitat	Subbase Pl	0	Cubic Yards	
1	Rehabilitat	Topsoil Pla	4411	Cubic Yards	
1	Service Ro	Asphalt Pla	2220	Square Yards	
1	Service Ro	Drainage -	2020	Linear Feet	
1	Service Ro	Dust Contr	180	Days	
1	Service Ro	Excavation	925	Cubic Yards	
1	Service Ro	Excavation	2220	Square Yards	
1	Service Ro	Grading	3363.3	Square Yards	
1	Service Ro	Hydroseed	30300	Square Feet	
1	Service Ro	Soil Erosior	0.7	Acres	
1	Service Ro	Subbase Pl	2220	Square Yards	
1	Service Ro	Subbase Pl	0	Cubic Yards	
1	Service Ro	Topsoil Pla	560.6	Cubic Yards	
1	Taxiways	Asphalt Pla	82990	Square Yards	
1	Taxiways	Concrete P	114885	Cubic Yards	
1	Taxiways	Drainage -	36820	Linear Feet	
1	Taxiways	Dust Contr	180	Days	
1	Taxiways	Excavation	114885	Cubic Yards	
1	Taxiways	Excavation	275724	Square Yards	
1	Taxiways	Grading	296309	Square Yards	
1	Taxiways	Hydroseed	2669450	Square Feet	
1	Taxiways	Lighting	37070	Linear Feet	
1	Taxiways	Markings	2484000	Square Feet	
1	Taxiways	Soil Erosior	61.4	Acres	
1	Taxiways	Subbase Pl	275724	Square Yards	
1	Taxiways	Subbase Pl	0	Cubic Yards	
1	Taxiways	Topsoil Pla	49384.8	Cubic Yards	
1	Terminal A	Asphalt Pla	0	Square Yards	
1	Terminal A	Drainage -	2620	Linear Feet	
1	Terminal A	Dust Contr	180	Days	
1	Terminal A	Excavation	24050	Cubic Yards	
1	Terminal A	Grading	57720	Square Yards	
1	Terminal A	Grading	59618.1	Square Yards	
1	Terminal A	Hydroseed	537100	Square Feet	
1	Terminal A	Sealing/Fu	57720	Square Yards	
1	Terminal A	Soil Erosior	12.4	Acres	
1	Terminal A	Subbase Pl	57720	Square Yards	
1	Terminal A	Subbase Pl	0	Cubic Yards	
1	Terminal A	Topsoil Pla	9936.4	Cubic Yards	
2	Rehabilitat	Asphalt Pla	74506	Square Yards	
2	Rehabilitat	Lighting	15182	Linear Feet	
2	Rehabilitat	Markings	1116150	Square Feet	
2	Rehabilitat	Sealing Rar	7441	Linear Feet	
2	Taxiways	Asphalt Pla	16598	Square Yards	
2	Taxiways	Concrete P	19168.3	Cubic Yard	83812
2	Taxiways	Drainage -	6160	Linear Feet	
2	Taxiways	Lighting	6410	Linear Feet	
2	Taxiways	Markings	414450	Square Feet	
2	Terminal A	Asphalt Pla	57720	Square Yar	0
2	Terminal A	Lighting	3400	Linear Feet	
2	Terminal A	Markings	520000	Square Feet	
3	Demolition	Asphalt De	1216320	Square Feet	
3	Demolition	Concrete D	1520400	Square Feet	
3	Taxiways	Asphalt Pla	93170	Square Yards	
3	Taxiways	Concrete P	113636.3	Cubic Yards	
3	Taxiways	Drainage -	36420	Linear Feet	
3	Taxiways	Dust Contr	180	Days	
3	Taxiways	Excavation	113636.3	Cubic Yards	
3	Taxiways	Excavation	272727	Square Yards	
3	Taxiways	Grading	293090	Square Yards	
3	Taxiways	Hydroseed	2640450	Square Feet	
3	Taxiways	Lighting	36670	Linear Feet	
3	Taxiways	Markings	2457000	Square Feet	
3	Taxiways	Soil Erosior	60.7	Acres	
3	Taxiways	Subbase Pl	272727	Square Yards	
3	Taxiways	Subbase Pl	0	Cubic Yards	
3	Taxiways	Topsoil Pla	48848.3	Cubic Yards	
4	Taxiways	Asphalt Pla	13310	Square Yards	
4	Taxiways	Concrete P	14360.6	Cubic Yards	
4	Taxiways	Drainage -	4620	Linear Feet	
4	Taxiways	Lighting	4870	Linear Feet	
4	Taxiways	Markings	310500	Square Feet	

Activity: Non-Road (Estimated based on engineering experience)

Scenario ID	Project	Constructic	Equipment	Fuel Type	Activity Siz	Activity Ra	Default Act	Activity Un	User Activity Data	
1	Demolition	Asphalt De	Dozer	Diesel	1537260.0	8 Hours pe	1537.26	hours	1216.32	
1	Demolition	Asphalt De	Excavator	Diesel	1537260.0	8 Hours pe	1537.26	hours	1216.32	
1	Demolition	Asphalt De	Pickup Tru	Diesel	1537260.0	8 Hours pe	3074.52	hours	2432.64	
1	Demolition	Concrete D	Excavator	Diesel	1921575.0	8 Hours pe	2562.1	hours	2027.2	
1	Demolition	Concrete D	Excavator	Diesel	1921575.0	8 Hours pe	2562.1	hours	2027.2	
1	Demolition	Concrete D	Pickup Tru	Diesel	1921575.0	8 Hours pe	5124.2	hours	4054.4	
1	Noise Barri	Clearing an	Chain Saw	Diesel	27.10	Acre 12 Hours p	325.2	hours	288	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Noise Barri	Clearing an	Chipper/St	Diesel	27.10	Acre 12 Hours p	325.2	hours	288	
1	Noise Barri	Clearing an	Pickup Tru	Diesel	27.10	Acre 16 Hours p	433.6	hours	384	
1	Noise Barri	Dust Contr	Water Truc	Diesel	180.00	Day 8 Hours pe	1440	hours		

1	Noise Barri	Excavation	Dozer	Diesel	54112.50	C	8 Hours pe	721.5	hours		
1	Noise Barri	Excavation	Dump Truc	Diesel	54112.50	C	8 Hours pe	721.5	hours		
1	Noise Barri	Excavation	Pickup Tru	Diesel	54112.50	C	8 Hours pe	721.5	hours		
1	Noise Barri	Excavation	Roller	Diesel	54112.50	C	8 Hours pe	333	hours		
1	Noise Barri	Excavation	Dozer	Diesel	129870.00		8 Hours pe	203.72	hours		
1	Noise Barri	Grading	Dozer	Diesel	130869.00		8 Hours pe	130.87	hours		
1	Noise Barri	Grading	Grader	Diesel	130869.00		8 Hours pe	130.87	hours		
1	Noise Barri	Grading	Roller	Diesel	130869.00		8 Hours pe	130.87	hours		
1	Noise Barri	Hydroseed	Hydroseed	Diesel	1179000.0		8 Hours pe	117.9	hours		
1	Noise Barri	Hydroseed	Off-Road T	Diesel	1179000.0		8 Hours pe	117.9	hours		
1	Noise Barri	Soil Erosior	Other Gen	Diesel	27.10	Acre	4 Hours pe	108.4	hours	96	
1	Noise Barri	Soil Erosior	Pickup Tru	Diesel	27.10	Acre	8 Hours pe	216.8	hours	192	
1	Noise Barri	Soil Erosior	Pumps	Diesel	27.10	Acre	4 Hours pe	108.4	hours	96	
1	Noise Barri	Soil Erosior	Tractors/L	Diesel	27.10	Acre	4 Hours pe	108.4	hours	96	
1	Rehabilitat	Cold Millin	Cold Plane	Diesel	123892.70		8 Hours pe	247.79	hours		
1	Rehabilitat	Cold Millin	Dump Truc	Diesel	123892.70		8 Hours pe	247.79	hours		
1	Rehabilitat	Cold Millin	Pickup Tru	Diesel	123892.70		8 Hours pe	247.79	hours		
1	Rehabilitat	Cold Millin	Sweepers	Diesel	123892.70		8 Hours pe	247.79	hours		
1	Rehabilitat	Cold Millin	Water Truc	Diesel	123892.70		8 Hours pe	247.79	hours		
1	Rehabilitat	Concrete D	Concrete S	Diesel	1116150.0		8 Hours pe	2232.3	hours		
1	Rehabilitat	Concrete D	Dump Truc	Diesel	1116150.0		8 Hours pe	2232.3	hours		
1	Rehabilitat	Concrete D	Excavator	Diesel	1116150.0		8 Hours pe	2232.3	hours		
1	Rehabilitat	Concrete D	Hydralic H	Diesel	1116150.0		8 Hours pe	2232.3	hours		
1	Rehabilitat	Concrete D	Other Gen	Diesel	1116150.0		8 Hours pe	2232.3	hours		
1	Rehabilitat	Concrete D	Pickup Tru	Diesel	1116150.0		8 Hours pe	2232.3	hours		
1	Rehabilitat	Concrete P	Air Compr	Diesel	51621.90	C	8 Hours pe	412.98	hours		
1	Rehabilitat	Concrete P	Concrete S	Diesel	51621.90	C	8 Hours pe	412.98	hours		
1	Rehabilitat	Concrete P	Concrete T	Diesel	51621.90	C	8 Hours pe	1720.73	hours		
1	Rehabilitat	Concrete P	Other Gen	Diesel	51621.90	C	16 Hours p	825.95	hours		
1	Rehabilitat	Concrete P	Pickup Tru	Diesel	51621.90	C	24 Hours p	1238.93	hours		
1	Rehabilitat	Concrete P	Rubber Tir	Diesel	51621.90	C	8 Hours pe	412.98	hours		
1	Rehabilitat	Concrete P	Slip Form F	Diesel	51621.90	C	8 Hours pe	412.98	hours		
1	Rehabilitat	Concrete P	Surfacing E	Diesel	51621.90	C	8 Hours pe	412.98	hours		
1	Rehabilitat	Dust Contr	Water Truc	Diesel	180.00	Day	8 Hours pe	1440	hours		
1	Rehabilitat	Excavation	Dozer	Diesel	10324.40	C	8 Hours pe	82.6	hours		
1	Rehabilitat	Excavation	Dump Truc	Diesel	10324.40	C	8 Hours pe	275.32	hours		
1	Rehabilitat	Excavation	Excavator	Diesel	10324.40	C	8 Hours pe	82.6	hours		
1	Rehabilitat	Excavation	Pickup Tru	Diesel	10324.40	C	8 Hours pe	82.6	hours		
1	Rehabilitat	Excavation	Roller	Diesel	10324.40	C	8 Hours pe	82.6	hours		
1	Rehabilitat	Excavation	Dozer	Diesel	24778.50	S	8 Hours pe	38.87	hours		
1	Rehabilitat	Grading	Dozer	Diesel	26466.00	S	8 Hours pe	26.47	hours		
1	Rehabilitat	Grading	Grader	Diesel	26466.00	S	8 Hours pe	26.47	hours		
1	Rehabilitat	Grading	Roller	Diesel	26466.00	S	8 Hours pe	26.47	hours		
1	Rehabilitat	Hydroseed	Hydroseed	Diesel	26466.00	S	8 Hours pe	2.65	hours		
1	Rehabilitat	Hydroseed	Off-Road T	Diesel	26466.00	S	8 Hours pe	2.65	hours		
1	Rehabilitat	Soil Erosior	Other Gen	Diesel	5.50	Acre	4 Hours pe	22	hours		
1	Rehabilitat	Soil Erosior	Pickup Tru	Diesel	5.50	Acre	8 Hours pe	44	hours		
1	Rehabilitat	Soil Erosior	Pumps	Diesel	5.50	Acre	4 Hours pe	22	hours		
1	Rehabilitat	Soil Erosior	Tractors/L	Diesel	5.50	Acre	4 Hours pe	22	hours		
1	Rehabilitat	Subbase Pl	Dozer	Diesel	123892.70		8 Hours pe	260.83	hours		
1	Rehabilitat	Subbase Pl	Dump Truc	Diesel	41297.60	C	8 Hours pe	1835.45	hours	0	
1	Rehabilitat	Subbase Pl	Pickup Tru	Diesel	123892.70		8 Hours pe	260.83	hours		
1	Rehabilitat	Subbase Pl	Roller	Diesel	41297.60	C	8 Hours pe	254.14	hours	0	
1	Rehabilitat	Topsoil Pla	Dozer	Diesel	4411.00	CY	8 Hours pe	58.81	hours		
1	Rehabilitat	Topsoil Pla	Dump Truc	Diesel	4411.00	CY	8 Hours pe	58.81	hours		
1	Rehabilitat	Topsoil Pla	Pickup Tru	Diesel	4411.00	CY	8 Hours pe	58.81	hours		
1	Service Ro	Asphalt Pla	Asphalt Pa	Diesel	2220.00	SY	8 Hours pe	2.78	hours		
1	Service Ro	Asphalt Pla	Dump Truc	Diesel	2220.00	SY	8 Hours pe	9.99	hours		
1	Service Ro	Asphalt Pla	Other Gen	Diesel	2220.00	SY	16 Hours p	5.55	hours		
1	Service Ro	Asphalt Pla	Pickup Tru	Diesel	2220.00	SY	8 Hours pe	2.78	hours		
1	Service Ro	Asphalt Pla	Roller	Diesel	2220.00	SY	8 Hours pe	2.78	hours		
1	Service Ro	Asphalt Pla	Skid Steer	Diesel	2220.00	SY	8 Hours pe	2.78	hours		
1	Service Ro	Asphalt Pla	Surfacing E	Diesel	2220.00	SY	8 Hours pe	3.55	hours		
1	Service Ro	Drainage -	Dump Truc	Diesel	2020.00	LF	8 Hours pe	17.96	hours		
1	Service Ro	Drainage -	Loader	Diesel	2020.00	LF	8 Hours pe	17.96	hours		
1	Service Ro	Drainage -	Other Gen	Diesel	2020.00	LF	8 Hours pe	17.96	hours		
1	Service Ro	Drainage -	Pickup Tru	Diesel	2020.00	LF	8 Hours pe	17.96	hours		
1	Service Ro	Drainage -	Tractors/L	Diesel	2020.00	LF	8 Hours pe	17.96	hours		
1	Service Ro	Dust Contr	Water Truc	Diesel	180.00	Day	8 Hours pe	1440	hours		
1	Service Ro	Excavation	Dozer	Diesel	925.00	CY	8 Hours pe	9.25	hours		
1	Service Ro	Excavation	Dump Truc	Diesel	925.00	CY	8 Hours pe	24.67	hours		
1	Service Ro	Excavation	Excavator	Diesel	925.00	CY	8 Hours pe	7.4	hours		
1	Service Ro	Excavation	Pickup Tru	Diesel	925.00	CY	8 Hours pe	7.4	hours		
1	Service Ro	Excavation	Roller	Diesel	925.00	CY	8 Hours pe	7.4	hours		
1	Service Ro	Excavation	Scraper	Diesel	925.00	CY	8 Hours pe	9.25	hours		
1	Service Ro	Excavation	Dozer	Diesel	2220.00	SY	8 Hours pe	3.48	hours		
1	Service Ro	Grading	Dozer	Diesel	3363.30	SY	8 Hours pe	3.36	hours		
1	Service Ro	Grading	Grader	Diesel	3363.30	SY	8 Hours pe	3.36	hours		
1	Service Ro	Grading	Roller	Diesel	3363.30	SY	8 Hours pe	3.36	hours		
1	Service Ro	Hydroseed	Hydroseed	Diesel	30300.00	S	8 Hours pe	3.03	hours		
1	Service Ro	Hydroseed	Off-Road T	Diesel	30300.00	S	8 Hours pe	3.03	hours		
1	Service Ro	Soil Erosior	Other Gen	Diesel	0.70	Acre	4 Hours pe	2.8	hours		
1	Service Ro	Soil Erosior	Pickup Tru	Diesel	0.70	Acre	8 Hours pe	5.6	hours		
1	Service Ro	Soil Erosior	Pumps	Diesel	0.70	Acre	4 Hours pe	2.8	hours		
1	Service Ro	Soil Erosior	Tractors/L	Diesel	0.70	Acre	4 Hours pe	2.8	hours		
1	Service Ro	Subbase Pl	Dozer	Diesel	2220.00	SY	8 Hours pe	4.67	hours		
1	Service Ro	Subbase Pl	Dump Truc	Diesel	740.00	CY	8 Hours pe	32.89	hours	0	
1	Service Ro	Subbase Pl	Pickup Tru	Diesel	2220.00	SY	8 Hours pe	4.67	hours		
1	Service Ro	Subbase Pl	Roller	Diesel	740.00	CY	8 Hours pe	4.55	hours	0	
1	Service Ro	Topsoil Pla	Dozer	Diesel	560.60	CY	8 Hours pe	7.47	hours		
1	Service Ro	Topsoil Pla	Dump Truc	Diesel	560.60	CY	8 Hours pe	7.47	hours		
1	Service Ro	Topsoil Pla	Pickup Tru	Diesel	560.60	CY	8 Hours pe	7.47	hours		
1	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	275724.00		8 Hours pe	344.66	hours	16.638	
1	Taxiways	Asphalt Pla	Dump Truc	Diesel	275724.00		8 Hours pe	1241.3	hours	59.921	
1	Taxiways	Asphalt Pla	Other Gen	Diesel	275724.00		16 Hours p	689.31	hours	33.275	
1	Taxiways	Asphalt Pla	Pickup Tru	Diesel	275724.00		8 Hours pe	344.66	hours	16.638	
1	Taxiways	Asphalt Pla	Roller	Diesel	275724.00		8 Hours pe	344.66	hours	16.638	
1	Taxiways	Asphalt Pla	Skid Steer	Diesel	275724.00		8 Hours pe	344.66	hours	16.638	
1	Taxiways	Asphalt Pla	Surfacing E	Diesel	275724.00		8 Hours pe	441.16	hours	21.296	
1	Taxiways	Concrete P	Air Compr	Diesel	114885.00		8 Hours pe	919.08	hours	114.885	
1	Taxiways	Concrete P	Concrete S	Diesel	114885.00		8 Hours pe	919.08	hours	114.885	
1	Taxiways	Concrete P	Concrete T	Diesel	114885.00		8 Hours pe	3829.5	hours	478.687	
1	Taxiways	Concrete P	Other Gen	Diesel	114885.00		16 Hours p	1838.16	hours	229.77	
1	Taxiways	Concrete P	Pickup Tru	Diesel	114885.00		24 Hours p	2757.24	hours	344.654	
1	Taxiways	Concrete P	Rubber Tir	Diesel	114885.00		8 Hours pe	919.08	hours	114.885	
1	Taxiways	Concrete P	Slip Form F	Diesel	114885.00		8 Hours pe	919.08	hours	114.885	
1	Taxiways	Concrete P	Surfacing E	Diesel	114885.00		8 Hours pe	919.08	hours	114.885	
1	Taxiways	Drainage -	Dump Truc	Diesel	36820.00	L	8 Hours pe	327.29	hours	41.067	
1	Taxiways	Drainage -	Loader	Diesel	36820.00	L	8 Hours pe	327.29	hours	41.067	
1	Taxiways	Drainage -	Other Gen	Diesel	36820.00	L	8 Hours pe	327.29	hours	41.067	
1	Taxiways	Drainage -	Pickup Tru	Diesel	36820.00	L	8 Hours pe	327.29	hours	41.067	
1	Taxiways	Drainage -	Tractors/L	Diesel	36820.00	L	8 Hours pe	327.29	hours	41.067	
1	Taxiways	Dust Contr	Water Truc	Diesel	180.00	Day	8 Hours pe	1440	hours		
1	Taxiways	Excavation	Dozer	Diesel	114885.00		8 Hours pe	1148.85	hours	1136.363	
1	Taxiways	Excavation	Dump Truc	Diesel	114885.00		8 Hours pe	3063.6	hours	3030.301	
1	Taxiways	Excavation	Excavator	Diesel	114885.00		8 Hours pe	919.08	hours	909.09	
1	Taxiways	Excavation	Pickup Tru	Diesel	114885.00		8 Hours pe	919.08	hours	909.09	
1	Taxiways	Excavation	Roller	Diesel	114885.00		8 Hours pe	919.08	hours	909.09	
1	Taxiways	Excavation	Scraper	Diesel	114885.00		8 Hours pe	1148.85	hours	1136.363	
1	Taxiways	Excavation	Dozer	Diesel	275724.00		8 Hours pe	432.51	hours	427.807	
1	Taxiways	Grading	Dozer	Diesel	296309.00		8 Hours pe	296.31	hours	293.09	
1	Taxiways	Grading	Grader	Diesel	296309.00		8 Hours pe	296.31	hours	293.09	
1	Taxiways	Grading	Roller	Diesel	296309.00		8 Hours pe	296.31	hours	293.09	
1	Taxiways	Hydroseed	Hydroseed	Diesel	2669450.0		8 Hours pe	266.95	hours	264.045	
1	Taxiways	Hydroseed	Off-Road T	Diesel	2669450.0		8 Hours pe	266.95	hours	264.045	
1	Taxiways	Lighting	Dump Truc	Diesel	37070.00	L	8 Hours pe	247.13	hours	32.467	
1	Taxiways	Lighting	Loader	Diesel	37070.00	L	8 Hours pe	247.13	hours	32.467	
1	Taxiways	Lighting	Other Gen	Diesel	37070.00	L	8 Hours pe	247.13	hours	32.467	
1	Taxiways	Lighting	Pickup Tru	Diesel	37070.00	L	8 Hours pe	247.13	hours	32.467	
1	Taxiways	Lighting	Skid Steer	Diesel	37070.00	L	8 Hours pe	247.13	hours	32.467	
1	Taxiways	Lighting	Tractors/L	Diesel	37070.00	L	8 Hours pe	247.13	hours	32.467	
1	Taxiways	Markings	Flatbed Tr	Diesel	2484000.0		8 Hours pe	5677.71	hours	709.714	
1	Taxiways	Markings	Other Gen	Diesel	2484000.0		8 Hours pe	5677.71	hours	709.714	
1	Taxiways	Markings	Pickup Tru	Diesel	2484000.0		8 Hours pe	5677.71	hours	709.714	
1	Taxiways	Soil Erosior	Other Gen	Diesel	61.40	Acre	4 Hours pe	245.6	hours	242.8	
1	Taxiways	Soil Erosior	Pickup Tru	Diesel	61.40	Acre	8 Hours pe	491.2	hours	485.6	
1	Taxiways	Soil Erosior	Pumps	Diesel	61.40	Acre	4 Hours pe	245.6	hours	242.8	
1	Taxiways	Soil Erosior	Tractors/L	Diesel	61.40	Acre	4 Hours pe	245.6	hours	242.8	
1	Taxiways	Subbase Pl	Dozer	Diesel	275724.00		8 Hours pe	580.47	hours	574.162	
1	Taxiways	Subbase Pl	Dump Truc	Diesel	91908.00	C	8 Hours pe	4084.8	hours	0	
1	Taxiways	Subbase Pl	Pickup Tru	Diesel	275724.00		8 Hours pe	580.47	hours	574.162	
1	Taxiways	Subbase Pl	Roller	Diesel	91908.00	C	8 Hours pe	565.59	hours	0	
1	Taxiways	Topsoil Pla	Dozer	Diesel	49384.80	C	8 Hours pe	658.46	hours	651.311	
1	Taxiways	Topsoil Pla	Dump Truc	Diesel	49384.80	C	8 Hours pe	658.46	hours	651.311	
1	Taxiways	Topsoil Pla	Pickup Tru	Diesel	49384.80	C	8 Hours pe	658.46	hours	651.311	
1	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	57720.00	S	8 Hours pe	72.15	hours	0	
1	Terminal A	Asphalt Pla	Dump Truc	Diesel	57720.00	S	8 Hours pe	259.85	hours	0	
1	Terminal A	Asphalt Pla	Other Gen	Diesel	57720.00	S	16 Hours p	144.3	hours	0	
1	Terminal A	Asphalt Pla	Pickup Tru	Diesel	57720.00	S	8 Hours pe	72.15	hours	0	
1	Terminal A	Asphalt Pla	Roller	Diesel	57720.00	S	8 Hours pe	72.15	hours	0	
1	Terminal A	Asphalt Pla	Skid Steer	Diesel	57720.00	S	8 Hours pe	72.15	hours	0	
1	Terminal A	Asphalt Pla	Surfacing E	Diesel	57720.00	S	8 Hours pe	92.35	hours	0	
1	Terminal A	Drainage -	Dump Truc	Diesel	2620.00	LF	8 Hours pe	23.29	hours		
1	Terminal A	Drainage -	Loader	Diesel	2620.00	LF	8 Hours pe	23.29	hours		
1	Terminal A	Drainage -	Other Gen	Diesel	2620.00	LF	8 Hours pe	23.29	hours		
1	Terminal A	Drainage -	Pickup Tru	Diesel	2620.00	LF	8 Hours pe	23.29	hours		
1	Terminal A	Drainage -	Tractors/L	Diesel	2620.00	LF	8 Hours pe	23.29	hours		
1	Terminal A	Dust Contr	Water Truc	Diesel	180.00	Day	8 Hours pe	1440	hours		
1	Terminal A	Excavation	Dozer	Diesel	24050.00	C	8 Hours pe	240.5	hours		
1	Terminal A	Excavation	Dump Truc	Diesel	24050.00	C	8 Hours pe	641.33	hours		
1	Terminal A	Excavation	Excavator	Diesel	24050.00	C	8 Hours pe	192.4	hours		
1	Terminal A	Excavation	Pickup Tru	Diesel	24050.00	C	8 Hours pe	192.4	hours		
1	Terminal A	Excavation	Roller	Diesel	24050.00	C	8 Hours pe	192.4	hours		
1	Terminal A	Excavation	Scraper	Diesel	24050.00	C	8 Hours pe	240.5	hours		
1	Terminal A	Excavation	Dozer	Diesel	57720.00	S	8 Hours pe	90.54	hours		
1	Terminal A	Grading	Dozer	Diesel	59618.10	S	8 Hours pe	59.62	hours		
1	Terminal A	Grading	Grader	Diesel	59618.10	S	8 Hours pe	59.62	hours		
1	Terminal A	Grading	Roller	Diesel	59618.10	S	8 Hours pe	59.62	hours		
1	Terminal A	Hydroseed	Hydroseed	Diesel	537100.00		8 Hours pe	53.71	hours		
1	Terminal A	Hydroseed	Off-Road T	Diesel	537100.00		8 Hours pe	53.71	hours		
1	Terminal A	Sealing/Fu	Distributin	Diesel	57720.00	S	8 Hours pe	153.92	hours		
1	Terminal A	Sealing/Fu	Other Gen	Diesel	57720.00	S	8 Hours pe	153.92	hours		
1	Terminal A	Sealing/Fu	Pickup Tru	Diesel	57720.00	S	8 Hours pe	153.92	hours		
1	Terminal A	Soil Erosior	Other Gen	Diesel	12.40	Acre	4 Hours pe	49.6	hours		
1	Terminal A	Soil Erosior	Pickup Tru	Diesel	12.40	Acre	8 Hours pe	99.2	hours		
1	Terminal A	Soil Erosior	Pumps	Diesel	12.40	Acre	4 Hours pe	49.6	hours		
1	Terminal A	Soil Erosior	Tractors/L	Diesel	12.40	Acre	4 Hours pe	49.6	hours		
1	Terminal A	Subbase Pl	Dozer	Diesel	57720.00	S	8 Hours pe	121.52	hours		

1	Terminal A	Subbase Pl	Dump Truc	Diesel	19240.00 C	8 Hours pe	855.11	hours	0
1	Terminal A	Subbase Pl	Pickup Tru	Diesel	57720.00 S	8 Hours pe	121.52	hours	
1	Terminal A	Subbase Pl	Roller	Diesel	19240.00 C	8 Hours pe	118.4	hours	0
1	Terminal A	Topsoil Pla	Dozer	Diesel	9936.40 CY	8 Hours pe	132.49	hours	
1	Terminal A	Topsoil Pla	Dump Truc	Diesel	9936.40 CY	8 Hours pe	132.49	hours	
1	Terminal A	Topsoil Pla	Pickup Tru	Diesel	9936.40 CY	8 Hours pe	132.49	hours	
2	Rehabilitat	Asphalt Pla	Asphalt Pa	Diesel	123892.70	8 Hours pe	154.87	hours	93.133
2	Rehabilitat	Asphalt Pla	Dump Truc	Diesel	123892.70	8 Hours pe	557.76	hours	335.424
2	Rehabilitat	Asphalt Pla	Other Gen	Diesel	123892.70	16 Hours p	309.73	hours	186.265
2	Rehabilitat	Asphalt Pla	Pickup Tru	Diesel	123892.70	8 Hours pe	154.87	hours	93.133
2	Rehabilitat	Asphalt Pla	Roller	Diesel	123892.70	8 Hours pe	154.87	hours	93.133
2	Rehabilitat	Asphalt Pla	Skid Steer	Diesel	123892.70	8 Hours pe	154.87	hours	93.133
2	Rehabilitat	Asphalt Pla	Surfacing E	Diesel	123892.70	8 Hours pe	198.23	hours	119.21
2	Rehabilitat	Lighting	Dump Truc	Diesel	15182.00 L	8 Hours pe	101.21	hours	
2	Rehabilitat	Lighting	Loader	Diesel	15182.00 L	8 Hours pe	101.21	hours	
2	Rehabilitat	Lighting	Other Gen	Diesel	15182.00 L	8 Hours pe	101.21	hours	
2	Rehabilitat	Lighting	Pickup Tru	Diesel	15182.00 L	8 Hours pe	101.21	hours	
2	Rehabilitat	Lighting	Skid Steer	Diesel	15182.00 L	8 Hours pe	101.21	hours	
2	Rehabilitat	Lighting	Tractors/Lo	Diesel	15182.00 L	8 Hours pe	101.21	hours	
2	Rehabilitat	Markings	Flatbed Tru	Diesel	1116150.0	8 Hours pe	2551.2	hours	
2	Rehabilitat	Markings	Other Gen	Diesel	1116150.0	8 Hours pe	2551.2	hours	
2	Rehabilitat	Markings	Pickup Tru	Diesel	1116150.0	8 Hours pe	2551.2	hours	
2	Rehabilitat	Sealing Ra	Crack Clea	Diesel	7441.00 LF	8 Hours pe	21.26	hours	
2	Rehabilitat	Sealing Ra	Crack Filler	Diesel	7441.00 LF	8 Hours pe	21.26	hours	
2	Rehabilitat	Sealing Ra	Flatbed Tru	Diesel	7441.00 LF	8 Hours pe	21.26	hours	
2	Rehabilitat	Sealing Ra	Other Gen	Diesel	7441.00 LF	8 Hours pe	21.26	hours	
2	Rehabilitat	Sealing Ra	Pickup Tru	Diesel	7441.00 LF	8 Hours pe	21.26	hours	
2	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	46004.00 S	8 Hours pe	57.51	hours	16.638
2	Taxiways	Asphalt Pla	Dump Truc	Diesel	46004.00 S	8 Hours pe	207.11	hours	59.921
2	Taxiways	Asphalt Pla	Other Gen	Diesel	46004.00 S	16 Hours p	115.01	hours	33.275
2	Taxiways	Asphalt Pla	Pickup Tru	Diesel	46004.00 S	8 Hours pe	57.51	hours	16.638
2	Taxiways	Asphalt Pla	Roller	Diesel	46004.00 S	8 Hours pe	57.51	hours	16.638
2	Taxiways	Asphalt Pla	Skid Steer	Diesel	46004.00 S	8 Hours pe	57.51	hours	16.638
2	Taxiways	Asphalt Pla	Surfacing E	Diesel	46004.00 S	8 Hours pe	73.61	hours	21.296
2	Taxiways	Concrete P	Air Compre	Diesel	19168.30 C	8 Hours pe	153.35	hours	114.885
2	Taxiways	Concrete P	Concrete S	Diesel	19168.30 C	8 Hours pe	153.35	hours	114.885
2	Taxiways	Concrete P	Concrete T	Diesel	19168.30 C	8 Hours pe	638.94	hours	478.687
2	Taxiways	Concrete P	Other Gen	Diesel	19168.30 C	16 Hours p	306.69	hours	229.77
2	Taxiways	Concrete P	Pickup Tru	Diesel	19168.30 C	24 Hours p	460.04	hours	344.654
2	Taxiways	Concrete P	Rubber Tir	Diesel	19168.30 C	8 Hours pe	153.35	hours	114.885
2	Taxiways	Concrete P	Slip Form F	Diesel	19168.30 C	8 Hours pe	153.35	hours	114.885
2	Taxiways	Concrete P	Surfacing E	Diesel	19168.30 C	8 Hours pe	153.35	hours	114.885
2	Taxiways	Drainage -	Dump Truc	Diesel	6160.00 LF	8 Hours pe	54.76	hours	41.067
2	Taxiways	Drainage -	Loader	Diesel	6160.00 LF	8 Hours pe	54.76	hours	41.067
2	Taxiways	Drainage -	Other Gen	Diesel	6160.00 LF	8 Hours pe	54.76	hours	41.067
2	Taxiways	Drainage -	Pickup Tru	Diesel	6160.00 LF	8 Hours pe	54.76	hours	41.067
2	Taxiways	Drainage -	Tractors/Lo	Diesel	6160.00 LF	8 Hours pe	54.76	hours	41.067
2	Taxiways	Lighting	Dump Truc	Diesel	6410.00 LF	8 Hours pe	42.73	hours	32.467
2	Taxiways	Lighting	Loader	Diesel	6410.00 LF	8 Hours pe	42.73	hours	32.467
2	Taxiways	Lighting	Other Gen	Diesel	6410.00 LF	8 Hours pe	42.73	hours	32.467
2	Taxiways	Lighting	Pickup Tru	Diesel	6410.00 LF	8 Hours pe	42.73	hours	32.467
2	Taxiways	Lighting	Skid Steer	Diesel	6410.00 LF	8 Hours pe	42.73	hours	32.467
2	Taxiways	Lighting	Tractors/Lo	Diesel	6410.00 LF	8 Hours pe	42.73	hours	32.467
2	Taxiways	Markings	Flatbed Tru	Diesel	414450.00	8 Hours pe	947.31	hours	709.714
2	Taxiways	Markings	Other Gen	Diesel	414450.00	8 Hours pe	947.31	hours	709.714
2	Taxiways	Markings	Pickup Tru	Diesel	414450.00	8 Hours pe	947.31	hours	709.714
2	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	57720.00 S	8 Hours pe	72.15	hours	0
2	Terminal A	Asphalt Pla	Dump Truc	Diesel	57720.00 S	8 Hours pe	259.85	hours	0
2	Terminal A	Asphalt Pla	Other Gen	Diesel	57720.00 S	16 Hours p	144.3	hours	0
2	Terminal A	Asphalt Pla	Pickup Tru	Diesel	57720.00 S	8 Hours pe	72.15	hours	0
2	Terminal A	Asphalt Pla	Roller	Diesel	57720.00 S	8 Hours pe	72.15	hours	0
2	Terminal A	Asphalt Pla	Skid Steer	Diesel	57720.00 S	8 Hours pe	72.15	hours	0
2	Terminal A	Asphalt Pla	Surfacing E	Diesel	57720.00 S	8 Hours pe	92.35	hours	0
2	Terminal A	Lighting	Dump Truc	Diesel	3400.00 LF	8 Hours pe	22.67	hours	
2	Terminal A	Lighting	Loader	Diesel	3400.00 LF	8 Hours pe	22.67	hours	
2	Terminal A	Lighting	Other Gen	Diesel	3400.00 LF	8 Hours pe	22.67	hours	
2	Terminal A	Lighting	Pickup Tru	Diesel	3400.00 LF	8 Hours pe	22.67	hours	
2	Terminal A	Lighting	Skid Steer	Diesel	3400.00 LF	8 Hours pe	22.67	hours	
2	Terminal A	Lighting	Tractors/Lo	Diesel	3400.00 LF	8 Hours pe	22.67	hours	
2	Terminal A	Markings	Flatbed Tru	Diesel	520000.00	8 Hours pe	1188.57	hours	
2	Terminal A	Markings	Other Gen	Diesel	520000.00	8 Hours pe	1188.57	hours	
2	Terminal A	Markings	Pickup Tru	Diesel	520000.00	8 Hours pe	1188.57	hours	
3	Demolition	Asphalt De	Dozer	Diesel	1216320.0	8 Hours pe	1216.32	hours	
3	Demolition	Asphalt De	Excavator	Diesel	1216320.0	8 Hours pe	1216.32	hours	
3	Demolition	Asphalt De	Pickup Tru	Diesel	1216320.0	8 Hours pe	2432.64	hours	
3	Demolition	Concrete D	Excavator \	Diesel	1520400.0	8 Hours pe	2027.2	hours	
3	Demolition	Concrete D	Excavator \	Diesel	1520400.0	8 Hours pe	2027.2	hours	
3	Demolition	Concrete D	Pickup Tru	Diesel	1520400.0	8 Hours pe	4054.4	hours	
3	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	272727.00	8 Hours pe	340.91	hours	16.638
3	Taxiways	Asphalt Pla	Dump Truc	Diesel	272727.00	8 Hours pe	1227.81	hours	59.921
3	Taxiways	Asphalt Pla	Other Gen	Diesel	272727.00	16 Hours p	681.82	hours	33.275
3	Taxiways	Asphalt Pla	Pickup Tru	Diesel	272727.00	8 Hours pe	340.91	hours	16.638
3	Taxiways	Asphalt Pla	Roller	Diesel	272727.00	8 Hours pe	340.91	hours	16.638
3	Taxiways	Asphalt Pla	Skid Steer	Diesel	272727.00	8 Hours pe	340.91	hours	16.638
3	Taxiways	Asphalt Pla	Surfacing E	Diesel	272727.00	8 Hours pe	436.36	hours	21.296
3	Taxiways	Concrete P	Air Compre	Diesel	113636.30	8 Hours pe	909.09	hours	114.885
3	Taxiways	Concrete P	Concrete S	Diesel	113636.30	8 Hours pe	909.09	hours	114.885
3	Taxiways	Concrete P	Concrete T	Diesel	113636.30	8 Hours pe	3787.88	hours	478.687
3	Taxiways	Concrete P	Other Gen	Diesel	113636.30	16 Hours p	1818.18	hours	229.77
3	Taxiways	Concrete P	Pickup Tru	Diesel	113636.30	24 Hours p	2727.27	hours	344.654
3	Taxiways	Concrete P	Rubber Tir	Diesel	113636.30	8 Hours pe	909.09	hours	114.885
3	Taxiways	Concrete P	Slip Form F	Diesel	113636.30	8 Hours pe	909.09	hours	114.885
3	Taxiways	Concrete P	Surfacing E	Diesel	113636.30	8 Hours pe	909.09	hours	114.885
3	Taxiways	Drainage -	Dump Truc	Diesel	36420.00 L	8 Hours pe	323.73	hours	41.067
3	Taxiways	Drainage -	Loader	Diesel	36420.00 L	8 Hours pe	323.73	hours	41.067
3	Taxiways	Drainage -	Other Gen	Diesel	36420.00 L	8 Hours pe	323.73	hours	41.067
3	Taxiways	Drainage -	Pickup Tru	Diesel	36420.00 L	8 Hours pe	323.73	hours	41.067
3	Taxiways	Drainage -	Tractors/Lo	Diesel	36420.00 L	8 Hours pe	323.73	hours	41.067
3	Taxiways	Dust Contr	Water Truc	Diesel	180.00 Day	8 Hours pe	1440	hours	
3	Taxiways	Excavation	Dozer	Diesel	113636.30	8 Hours pe	1136.36	hours	
3	Taxiways	Excavation	Dump Truc	Diesel	113636.30	8 Hours pe	3030.3	hours	
3	Taxiways	Excavation	Excavator	Diesel	113636.30	8 Hours pe	909.09	hours	
3	Taxiways	Excavation	Pickup Tru	Diesel	113636.30	8 Hours pe	909.09	hours	
3	Taxiways	Excavation	Roller	Diesel	113636.30	8 Hours pe	909.09	hours	
3	Taxiways	Excavation	Scraper	Diesel	113636.30	8 Hours pe	1136.36	hours	
3	Taxiways	Excavation	Dozer	Diesel	272727.00	8 Hours pe	427.81	hours	
3	Taxiways	Grading	Dozer	Diesel	293090.00	8 Hours pe	293.09	hours	
3	Taxiways	Grading	Grader	Diesel	293090.00	8 Hours pe	293.09	hours	
3	Taxiways	Grading	Roller	Diesel	293090.00	8 Hours pe	293.09	hours	
3	Taxiways	Hydroseed	Hydroseed	Diesel	2640450.0	8 Hours pe	264.05	hours	
3	Taxiways	Hydroseed	Off-Road T	Diesel	2640450.0	8 Hours pe	264.05	hours	
3	Taxiways	Lighting	Dump Truc	Diesel	36670.00 L	8 Hours pe	244.47	hours	32.467
3	Taxiways	Lighting	Loader	Diesel	36670.00 L	8 Hours pe	244.47	hours	32.467
3	Taxiways	Lighting	Other Gen	Diesel	36670.00 L	8 Hours pe	244.47	hours	32.467
3	Taxiways	Lighting	Pickup Tru	Diesel	36670.00 L	8 Hours pe	244.47	hours	32.467
3	Taxiways	Lighting	Skid Steer	Diesel	36670.00 L	8 Hours pe	244.47	hours	32.467
3	Taxiways	Lighting	Tractors/Lo	Diesel	36670.00 L	8 Hours pe	244.47	hours	32.467
3	Taxiways	Markings	Flatbed Tru	Diesel	2457000.0	8 Hours pe	5616	hours	709.714
3	Taxiways	Markings	Other Gen	Diesel	2457000.0	8 Hours pe	5616	hours	709.714
3	Taxiways	Markings	Pickup Tru	Diesel	2457000.0	8 Hours pe	5616	hours	709.714
3	Taxiways	Soil Erosio	Other Gen	Diesel	60.70 Acre	4 Hours pe	242.8	hours	
3	Taxiways	Soil Erosio	Pickup Tru	Diesel	60.70 Acre	8 Hours pe	485.6	hours	
3	Taxiways	Soil Erosio	Pumps	Diesel	60.70 Acre	4 Hours pe	242.8	hours	
3	Taxiways	Soil Erosio	Tractors/Lo	Diesel	60.70 Acre	4 Hours pe	242.8	hours	
3	Taxiways	Subbase Pl	Dozer	Diesel	272727.00	8 Hours pe	574.16	hours	
3	Taxiways	Subbase Pl	Dump Truc	Diesel	90909.00 C	8 Hours pe	4040.4	hours	0
3	Taxiways	Subbase Pl	Pickup Tru	Diesel	272727.00	8 Hours pe	574.16	hours	
3	Taxiways	Subbase Pl	Roller	Diesel	90909.00 C	8 Hours pe	559.44	hours	0
3	Taxiways	Topsoil Pla	Dozer	Diesel	48848.30 C	8 Hours pe	651.31	hours	
3	Taxiways	Topsoil Pla	Dump Truc	Diesel	48848.30 C	8 Hours pe	651.31	hours	
3	Taxiways	Topsoil Pla	Pickup Tru	Diesel	48848.30 C	8 Hours pe	651.31	hours	
4	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	34465.50 S	8 Hours pe	43.08	hours	16.638
4	Taxiways	Asphalt Pla	Dump Truc	Diesel	34465.50 S	8 Hours pe	155.16	hours	59.921
4	Taxiways	Asphalt Pla	Other Gen	Diesel	34465.50 S	16 Hours p	86.16	hours	33.275
4	Taxiways	Asphalt Pla	Pickup Tru	Diesel	34465.50 S	8 Hours pe	43.08	hours	16.638
4	Taxiways	Asphalt Pla	Roller	Diesel	34465.50 S	8 Hours pe	43.08	hours	16.638
4	Taxiways	Asphalt Pla	Skid Steer	Diesel	34465.50 S	8 Hours pe	43.08	hours	16.638
4	Taxiways	Asphalt Pla	Surfacing E	Diesel	34465.50 S	8 Hours pe	55.14	hours	21.296
4	Taxiways	Concrete P	Air Compre	Diesel	14360.60 C	8 Hours pe	114.88	hours	
4	Taxiways	Concrete P	Concrete S	Diesel	14360.60 C	8 Hours pe	114.88	hours	
4	Taxiways	Concrete P	Concrete T	Diesel	14360.60 C	8 Hours pe	478.69	hours	
4	Taxiways	Concrete P	Other Gen	Diesel	14360.60 C	16 Hours p	229.77	hours	
4	Taxiways	Concrete P	Pickup Tru	Diesel	14360.60 C	24 Hours p	344.65	hours	
4	Taxiways	Concrete P	Rubber Tir	Diesel	14360.60 C	8 Hours pe	114.88	hours	
4	Taxiways	Concrete P	Slip Form F	Diesel	14360.60 C	8 Hours pe	114.88	hours	
4	Taxiways	Concrete P	Surfacing E	Diesel	14360.60 C	8 Hours pe	114.88	hours	
4	Taxiways	Drainage -	Dump Truc	Diesel	4620.00 LF	8 Hours pe	41.07	hours	
4	Taxiways	Drainage -	Loader	Diesel	4620.00 LF	8 Hours pe	41.07	hours	
4	Taxiways	Drainage -	Other Gen	Diesel	4620.00 LF	8 Hours pe	41.07	hours	
4	Taxiways	Drainage -	Pickup Tru	Diesel	4620.00 LF	8 Hours pe	41.07	hours	
4	Taxiways	Drainage -	Tractors/Lo	Diesel	4620.00 LF	8 Hours pe	41.07	hours	
4	Taxiways	Lighting	Dump Truc	Diesel	4870.00 LF	8 Hours pe	32.47	hours	
4	Taxiways	Lighting	Loader	Diesel	4870.00 LF	8 Hours pe	32.47	hours	
4	Taxiways	Lighting	Other Gen	Diesel	4870.00 LF	8 Hours pe	32.47	hours	
4	Taxiways	Lighting	Pickup Tru	Diesel	4870.00 LF	8 Hours pe	32.47	hours	
4	Taxiways	Lighting	Skid Steer	Diesel	4870.00 LF	8 Hours pe	32.47	hours	
4	Taxiways	Lighting	Tractors/Lo	Diesel	4870.00 LF	8 Hours pe	32.47	hours	
4	Taxiways	Markings	Flatbed Tru	Diesel	310500.00	8 Hours pe	709.71	hours	
4	Taxiways	Markings	Other Gen	Diesel	310500.00	8 Hours pe	709.71	hours	
4	Taxiways	Markings	Pickup Tru	Diesel	310500.00	8 Hours pe	709.71	hours	

Activity: On-Road (Estimated based on engineering experience)

Scenario ID	Project	Equipment	On-road Ac	Fuel	Roadway T	Round Trip	Number of	Number of	Project Len	Project Wi	Project Are	Building He	Open Spac	Number of	Activity Siz	Activity Ra	Default VM	User VMT
1	Demolition	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	51242	30	--	--	--	--	--	--	341613	
1	Demolition	Passenger	Employee (	Gasoline	Urban Unr	30	22	129	--	--	--	--	--	--	--	--	85140	
1	Demolition	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	25621	75	--	--	--	--	--	--	118616	
1	Demolition	Passenger	Employee (	Gasoline	Urban Unr	30	43.89	129	--	--	--	--	--	--	--	--	169854	
1	Noise Barri	Cement Mi	Material D	Diesel	Urban Unr	40	--	129	1300	900	--	--	--	--	--	--	270563	
1	Noise Barri	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1300	900	--	--	--	--	--	--	144300	
1	Noise Barri	Passenger	Employee (	Gasoline	Urban Unr	30	156.09	129	--	--	--	--	--	--	--	--	604068	
1	Rehabilitat	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	7441	150	--	--	--	--	--	--	16195	
1	Rehabilitat	Cement Mi	Material D	Diesel	Urban Unr	40	--	129	7441	150	--	--	--	--	--	--	258110	
1	Rehabilitat	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	7441	150	--	--	--	--	--	--	22943	
1	Rehabilitat	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	7441	150	--	--	--	--	--	--	137659	
1	Rehabilitat	Passenger	Employee (	Gasoline	Urban Unr	30	557.7	129	--	--	--	--	--	--	--	--	2158299	
1	Service Ro	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	1000	20	--	--	--	--	--	--	290	

1	Service Ro	Cement Mi	Material D	Diesel	Urban Unr	40	--	129	1000	20	--	--	--	--	--	--	4625
1	Service Ro	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1000	20	--	--	--	--	--	--	411
1	Service Ro	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1000	20	--	--	--	--	--	--	2467
1	Service Ro	Passenger	Employee (	Gasoline	Urban Unr	30	36	129	--	--	--	--	--	--	--	--	139320
1	Taxiways	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	18400	135	--	--	--	--	--	--	36042
1	Taxiways	Cement Mi	Material D	Diesel	Urban Unr	40	--	129	18400	135	--	--	--	--	--	--	574425
1	Taxiways	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	18400	135	--	--	--	--	--	--	51060
1	Taxiways	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	18400	135	--	--	--	--	--	--	306360
1	Taxiways	Passenger	Employee (	Gasoline	Urban Unr	30	545.71	129	--	--	--	--	--	--	--	--	2111898
1	Terminal A	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	1300	400	--	--	--	--	--	--	7545
1	Terminal A	Cement Mi	Material D	Diesel	Urban Unr	40	--	129	1300	400	--	--	--	--	--	--	120250
1	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1300	400	--	--	--	--	--	--	10689
1	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	1300	400	--	--	--	--	--	--	64133
1	Terminal A	Passenger	Employee (	Gasoline	Urban Unr	30	110	129	--	--	--	--	--	--	--	--	425700
2	Rehabilitat	Asphalt 18	Material D	Diesel	Urban Unr	40	--	43	7441	150	--	--	--	--	--	--	16195
2	Rehabilitat	Cement Mi	Material D	Diesel	Urban Unr	40	--	43	7441	150	--	--	--	--	--	--	258110
2	Rehabilitat	Dump Truc	Material D	Diesel	Urban Unr	40	--	43	7441	150	--	--	--	--	--	--	22943
2	Rehabilitat	Dump Truc	Material D	Diesel	Urban Unr	40	--	43	7441	150	--	--	--	--	--	--	137659
2	Rehabilitat	Passenger	Employee (	Gasoline	Urban Unr	30	62.26	43	--	--	--	--	--	--	--	--	80315
2	Taxiways	Asphalt 18	Material D	Diesel	Urban Unr	40	--	43	3070	135	--	--	--	--	--	--	6014
2	Taxiways	Cement Mi	Material D	Diesel	Urban Unr	40	--	43	3070	135	--	--	--	--	--	--	95842
2	Taxiways	Dump Truc	Material D	Diesel	Urban Unr	40	--	43	3070	135	--	--	--	--	--	--	8519
2	Taxiways	Dump Truc	Material D	Diesel	Urban Unr	40	--	43	3070	135	--	--	--	--	--	--	51116
2	Taxiways	Passenger	Employee (	Gasoline	Urban Unr	30	122.43	43	--	--	--	--	--	--	--	--	157935
2	Terminal A	Asphalt 18	Material D	Diesel	Urban Unr	40	--	43	1300	400	--	--	--	--	--	--	7545
2	Terminal A	Cement Mi	Material D	Diesel	Urban Unr	40	--	43	1300	400	--	--	--	--	--	--	120250
2	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	43	1300	400	--	--	--	--	--	--	10689
2	Terminal A	Dump Truc	Material D	Diesel	Urban Unr	40	--	43	1300	400	--	--	--	--	--	--	64133
2	Terminal A	Passenger	Employee (	Gasoline	Urban Unr	30	44	43	--	--	--	--	--	--	--	--	56760
3	Demolition	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	40544	30	--	--	--	--	--	--	270293
3	Demolition	Passenger	Employee (	Gasoline	Urban Unr	30	26.95	129	--	--	--	--	--	--	--	--	104297
3	Demolition	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	20272	75	--	--	--	--	--	--	93852
3	Demolition	Passenger	Employee (	Gasoline	Urban Unr	30	53.9	129	--	--	--	--	--	--	--	--	208593
3	Taxiways	Asphalt 18	Material D	Diesel	Urban Unr	40	--	129	18200	135	--	--	--	--	--	--	35651
3	Taxiways	Cement Mi	Material D	Diesel	Urban Unr	40	--	129	18200	135	--	--	--	--	--	--	568181
3	Taxiways	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	18200	135	--	--	--	--	--	--	50505
3	Taxiways	Dump Truc	Material D	Diesel	Urban Unr	40	--	129	18200	135	--	--	--	--	--	--	303030
3	Taxiways	Passenger	Employee (	Gasoline	Urban Unr	30	491.15	129	--	--	--	--	--	--	--	--	1900751
4	Taxiways	Asphalt 18	Material D	Diesel	Urban Unr	40	--	43	2300	135	--	--	--	--	--	--	4505
4	Taxiways	Cement Mi	Material D	Diesel	Urban Unr	40	--	43	2300	135	--	--	--	--	--	--	71803
4	Taxiways	Dump Truc	Material D	Diesel	Urban Unr	40	--	43	2300	135	--	--	--	--	--	--	6383
4	Taxiways	Dump Truc	Material D	Diesel	Urban Unr	40	--	43	2300	135	--	--	--	--	--	--	38295
4	Taxiways	Passenger	Employee (	Gasoline	Urban Unr	30	63.91	43	--	--	--	--	--	--	--	--	82444

Emission Factor: Non-Road (from NONROAD)

Scenario ID	Project	Constructi	Equipment	Fuel Type	Avg Rated	Load Facto	CO (g/hp-h	NOx (g/hp-	CO2 (g/hp-	SO2 (g/hp-	PM10 (g/h	PM2.5 (g/h	VOC Exhau	VOC Evaporative (g/equipment-day)	
1	Demolition	Asphalt De	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Demolition	Asphalt De	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.178161	
1	Demolition	Asphalt De	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Demolition	Concrete D	Excavator \	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.178161	
1	Demolition	Concrete D	Excavator \	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.178161	
1	Demolition	Concrete D	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Noise Barri	Clearing ar	Chain Saw	Diesel	11	0.7	293.535	1.322993	685.9964	0.140192	9.748189	8.968334	61.88836	26.21943	*** GASOLINE DATA USED. DIESEL DATA NOT AVAILABLE ***
1	Noise Barri	Clearing ar	Chipper/St	Diesel	100	0.43	1.813608	3.239502	589.2407	0.003513	0.318043	0.2926	0.372367	0.582629	
1	Noise Barri	Clearing ar	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Noise Barri	Dust Contr	Water Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Noise Barri	Excavation	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Noise Barri	Excavation	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Noise Barri	Excavation	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Noise Barri	Excavation	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886	
1	Noise Barri	Excavation	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Noise Barri	Grading	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Noise Barri	Grading	Grader	Diesel	300	0.59	0.27703	0.87973	536.3751	0.002726	0.045102	0.041494	0.150319	0.252929	
1	Noise Barri	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886	
1	Noise Barri	Hydroseed	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Noise Barri	Hydroseed	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Noise Barri	Soil Erosior	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Noise Barri	Soil Erosior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Noise Barri	Soil Erosior	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963	
1	Noise Barri	Soil Erosior	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9528	0.004099	0.598567	0.550681	0.675323	0.821481	
1	Rehabilitat	Cold Millin	Cold Plane	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.270084	
1	Rehabilitat	Cold Millin	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Cold Millin	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Cold Millin	Sweepers	Diesel	175	0.43	0.302193	1.047314	530.5641	0.002794	0.069707	0.064131	0.157954	0.235788	
1	Rehabilitat	Cold Millin	Water Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Concrete D	Concrete S	Diesel	40	0.59	0.600487	3.398114	595.6245	0.003128	0.085837	0.07897	0.175701	0.004694	
1	Rehabilitat	Concrete D	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Concrete D	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.178161	
1	Rehabilitat	Concrete D	Hydralic Ha	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.178161	
1	Rehabilitat	Concrete D	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Rehabilitat	Concrete D	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Concrete P	Air Compre	Diesel	100	0.43	1.240752	2.039629	589.6911	0.00331	0.181569	0.167043	0.223713	0.227364	
1	Rehabilitat	Concrete P	Concrete S	Diesel	40	0.59	0.600487	3.398114	595.6245	0.003128	0.085837	0.07897	0.175701	0.004694	
1	Rehabilitat	Concrete P	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Concrete P	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Rehabilitat	Concrete P	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Concrete P	Rubber Tir	Diesel	175	0.59	0.556508	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.294489	
1	Rehabilitat	Concrete P	Slip Form F	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.270084	
1	Rehabilitat	Concrete P	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.006209	
1	Rehabilitat	Dust Contr	Water Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Excavation	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Rehabilitat	Excavation	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Excavation	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.178161	
1	Rehabilitat	Excavation	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Excavation	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886	
1	Rehabilitat	Excavation	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Rehabilitat	Grading	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Rehabilitat	Grading	Grader	Diesel	300	0.59	0.27703	0.87973	536.3751	0.002726	0.045102	0.041494	0.150319	0.252929	
1	Rehabilitat	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886	
1	Rehabilitat	Hydroseed	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Hydroseed	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Soil Erosior	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Rehabilitat	Soil Erosior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Soil Erosior	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963	
1	Rehabilitat	Soil Erosior	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9528	0.004099	0.598567	0.550681	0.675323	0.821481	
1	Rehabilitat	Subbase Pl	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Rehabilitat	Subbase Pl	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Subbase Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Subbase Pl	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886	
1	Rehabilitat	Topsoil Pla	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Rehabilitat	Topsoil Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Rehabilitat	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.270084	
1	Service Ro	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Asphalt Pla	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Service Ro	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Asphalt Pla	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886	
1	Service Ro	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.603311	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.525454	
1	Service Ro	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.006209	
1	Service Ro	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Drainage -	Loader	Diesel	175	0.59	0.556508	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.294489	
1	Service Ro	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Service Ro	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Drainage -	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9528	0.004099	0.598567	0.550681	0.675323	0.821481	
1	Service Ro	Dust Contr	Water Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Excavation	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Service Ro	Excavation	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Excavation	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.178161	
1	Service Ro	Excavation	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Excavation	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886	
1	Service Ro	Excavation	Scraper	Diesel	600	0.59	0.625128	1.537038	536.353	0.002939	0.09397	0.086452	0.157595	0.97445	
1	Service Ro	Excavation	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Service Ro	Grading	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Service Ro	Grading	Grader	Diesel	300	0.59	0.27703	0.87973	536.3751	0.002726	0.045102	0.041494	0.150319	0.252929	
1	Service Ro	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886	
1	Service Ro	Hydroseed	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Hydroseed	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Soil Erosior	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Service Ro	Soil Erosior	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Soil Erosior	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963	
1	Service Ro	Soil Erosior	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9528	0.004099	0.598567	0.550681	0.675323	0.821481	
1	Service Ro	Subbase Pl	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Service Ro	Subbase Pl	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Subbase Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Subbase Pl	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886	
1	Service Ro	Topsoil Pla	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Service Ro	Topsoil Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Service Ro	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.270084	
1	Taxiways	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Taxiways	Asphalt Pla	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Taxiways	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Taxiways	Asphalt Pla	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886	
1	Taxiways	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.603311	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.525454	
1	Taxiways	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.006209	
1	Taxiways	Concrete P	Air Compre	Diesel	100	0.43	1.240752	2.039629	589.6911	0.00331	0.181569	0.167043	0.223713	0.227364	
1	Taxiways	Concrete P	Concrete S	Diesel	40	0.59	0.600487	3.398114	595.6245	0.003128	0.085837	0.07897	0.175701	0.004694	
1	Taxiways	Concrete P	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Taxiways	Concrete P	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Taxiways	Concrete P	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Taxiways	Concrete P	Rubber Tir	Diesel	175	0.59	0.556508	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.294489	
1	Taxiways	Concrete P	Slip Form F	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.270084	
1	Taxiways	Concrete P	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.006209	
1	Taxiways	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Taxiways	Drainage -	Loader	Diesel	175	0.59	0.556508	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.294489	
1	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535	
1	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Taxiways	Drainage -	Tractors/Lo	Diesel	100	0.21	4.263726	3.349503	693.9528	0.004099	0.598567	0.550681	0.675323	0.821481	
1	Taxiways	Dust Contr	Water Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Taxiways	Excavation	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	
1	Taxiways	Excavation	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Taxiways	Excavation	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.178161	
1	Taxiways	Excavation	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588	
1	Taxiways	Excavation	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886	
1	Taxiways	Excavation	Scraper	Diesel	600	0.59	0.625128	1.537038	536.353	0.002939	0.09397	0.086452	0.157595	0.97445	
1	Taxiways	Excavation	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355	

1	Taxiways	Grading	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355
1	Taxiways	Grading	Grader	Diesel	300	0.59	0.27703	0.87973	536.3751	0.002726	0.045102	0.041494	0.150319	0.252929
1	Taxiways	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886
1	Taxiways	Hydroseed	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Taxiways	Hydroseed	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Taxiways	Lighting	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Taxiways	Lighting	Loader	Diesel	175	0.59	0.556508	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.294489
1	Taxiways	Lighting	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535
1	Taxiways	Lighting	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Taxiways	Lighting	Skid Steer	Diesel	75	0.21	4.603311	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.525454
1	Taxiways	Lighting	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9528	0.004099	0.598567	0.550681	0.675323	0.821481
1	Taxiways	Markings	Flatbed Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Taxiways	Markings	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535
1	Taxiways	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Taxiways	Soil Erosio	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535
1	Taxiways	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Taxiways	Soil Erosio	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963
1	Taxiways	Soil Erosio	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9528	0.004099	0.598567	0.550681	0.675323	0.821481
1	Taxiways	Subbase Pl	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355
1	Taxiways	Subbase Pl	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Taxiways	Subbase Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Taxiways	Subbase Pl	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886
1	Taxiways	Topsoil Pla	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355
1	Taxiways	Topsoil Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Taxiways	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.270084
1	Terminal A	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535
1	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886
1	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.603311	4.825324	693.2528	0.004246	0.680202	0.625786	0.906351	0.525454
1	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.006209
1	Terminal A	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Drainage -	Loader	Diesel	175	0.59	0.556508	1.29822	536.313	0.002903	0.127435	0.11724	0.170829	0.294489
1	Terminal A	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535
1	Terminal A	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Drainage -	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9528	0.004099	0.598567	0.550681	0.675323	0.821481
1	Terminal A	Dust Contr	Water Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Excavation	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355
1	Terminal A	Excavation	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Excavation	Excavator	Diesel	175	0.59	0.336129	0.82038	536.3744	0.002734	0.066854	0.061505	0.150542	0.178161
1	Terminal A	Excavation	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Excavation	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886
1	Terminal A	Excavation	Scraper	Diesel	600	0.59	0.625128	1.537038	536.353	0.002939	0.09397	0.086452	0.157595	0.97445
1	Terminal A	Excavation	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355
1	Terminal A	Grading	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355
1	Terminal A	Grading	Grader	Diesel	300	0.59	0.27703	0.87973	536.3751	0.002726	0.045102	0.041494	0.150319	0.252929
1	Terminal A	Grading	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886
1	Terminal A	Hydroseed	Hydroseed	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Hydroseed	Off-Road T	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Sealing/Fu	Distributin	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Sealing/Fu	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535
1	Terminal A	Sealing/Fu	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Soil Erosio	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4875	0.002949	0.107246	0.098666	0.183196	0.314535
1	Terminal A	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Soil Erosio	Pumps	Diesel	11	0.43	4.462039	4.651029	588.3963	0.003966	0.432583	0.397976	0.65112	0.015963
1	Terminal A	Soil Erosio	Tractors/L	Diesel	100	0.21	4.263726	3.349503	693.9528	0.004099	0.598567	0.550681	0.675323	0.821481
1	Terminal A	Subbase Pl	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355
1	Terminal A	Subbase Pl	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Subbase Pl	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Subbase Pl	Roller	Diesel	100	0.59	1.515644	1.52762	595.5948	0.003225	0.190777	0.175515	0.185521	0.21886
1	Terminal A	Topsoil Pla	Dozer	Diesel	175	0.59	0.431537	1.005191	536.3517	0.002806	0.093646	0.086154	0.158062	0.2355
1	Terminal A	Topsoil Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
1	Terminal A	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.399	0.002666	0.029799	0.027415	0.142438	0.363588
2	Rehabilitat	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.170114
2	Rehabilitat	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Rehabilitat	Asphalt Pla	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421
2	Rehabilitat	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Rehabilitat	Asphalt Pla	Roller	Diesel	100	0.59	1.515644	1.52762	595.5947	0.003225	0.190777	0.175515	0.185521	0.13785
2	Rehabilitat	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.603311	4.825325	693.2529	0.004246	0.680202	0.625786	0.906351	0.330959
2	Rehabilitat	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.00391
2	Rehabilitat	Lighting	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Rehabilitat	Lighting	Loader	Diesel	175	0.59	0.556507	1.29822	536.3129	0.002903	0.127435	0.11724	0.170829	0.185485
2	Rehabilitat	Lighting	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421
2	Rehabilitat	Lighting	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Rehabilitat	Lighting	Skid Steer	Diesel	75	0.21	4.603311	4.825325	693.2529	0.004246	0.680202	0.625786	0.906351	0.330959
2	Rehabilitat	Lighting	Tractors/L	Diesel	100	0.21	4.263727	3.349504	693.9528	0.004099	0.598567	0.550681	0.675323	0.517413
2	Rehabilitat	Markings	Flatbed Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Rehabilitat	Markings	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421
2	Rehabilitat	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Rehabilitat	Sealing Ra	Crack Clea	Diesel	40	0.59	0.600487	3.398114	595.6245	0.003128	0.085837	0.07897	0.175701	0.002957
2	Rehabilitat	Sealing Ra	Crack Filler	Diesel	100	0.43	0.272045	0.28198	589.9443	0.002847	0.011493	0.010574	0.140158	0
2	Rehabilitat	Sealing Ra	Flatbed Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Rehabilitat	Sealing Ra	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421
2	Rehabilitat	Sealing Ra	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.170114
2	Taxiways	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Taxiways	Asphalt Pla	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421
2	Taxiways	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Taxiways	Asphalt Pla	Roller	Diesel	100	0.59	1.515644	1.52762	595.5947	0.003225	0.190777	0.175515	0.185521	0.13785
2	Taxiways	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.603311	4.825325	693.2529	0.004246	0.680202	0.625786	0.906351	0.330959
2	Taxiways	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.00391
2	Taxiways	Concrete P	Air Compre	Diesel	100	0.43	1.240752	2.039629	589.6911	0.00331	0.181569	0.167043	0.223713	0.232417
2	Taxiways	Concrete P	Concrete S	Diesel	40	0.59	0.600487	3.398114	595.6245	0.003128	0.085837	0.07897	0.175701	0.002957
2	Taxiways	Concrete P	Concrete T	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Taxiways	Concrete P	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421
2	Taxiways	Concrete P	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Taxiways	Concrete P	Rubber Tir	Diesel	175	0.59	0.556507	1.29822	536.3129	0.002903	0.127435	0.11724	0.170829	0.185485
2	Taxiways	Concrete P	Slip Form F	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.170114
2	Taxiways	Concrete P	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.00391
2	Taxiways	Drainage -	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Taxiways	Drainage -	Loader	Diesel	175	0.59	0.556507	1.29822	536.3129	0.002903	0.127435	0.11724	0.170829	0.185485
2	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421
2	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Taxiways	Drainage -	Tractors/L	Diesel	100	0.21	4.263727	3.349504	693.9528	0.004099	0.598567	0.550681	0.675323	0.517413
2	Taxiways	Lighting	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Taxiways	Lighting	Loader	Diesel	175	0.59	0.556507	1.29822	536.3129	0.002903	0.127435	0.11724	0.170829	0.185485
2	Taxiways	Lighting	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421
2	Taxiways	Lighting	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Taxiways	Lighting	Skid Steer	Diesel	75	0.21	4.603311	4.825325	693.2529	0.004246	0.680202	0.625786	0.906351	0.330959
2	Taxiways	Lighting	Tractors/L	Diesel	100	0.21	4.263727	3.349504	693.9528	0.004099	0.598567	0.550681	0.675323	0.517413
2	Taxiways	Markings	Flatbed Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Taxiways	Markings	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421
2	Taxiways	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Terminal A	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.508949	1.176264	536.3291	0.002866	0.11466	0.105488	0.165514	0.170114
2	Terminal A	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Terminal A	Asphalt Pla	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421
2	Terminal A	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Terminal A	Asphalt Pla	Roller	Diesel	100	0.59	1.515644	1.52762	595.5947	0.003225	0.190777	0.175515	0.185521	0.13785
2	Terminal A	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.603311	4.825325	693.2529	0.004246	0.680202	0.625786	0.906351	0.330959
2	Terminal A	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.38723	4.458634	594.7255	0.004009	0.353033	0.32479	0.472476	0.00391
2	Terminal A	Lighting	Dump Truc	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Terminal A	Lighting	Loader	Diesel	175	0.59	0.556507	1.29822	536.3129	0.002903	0.127435	0.11724	0.170829	0.185485
2	Terminal A	Lighting	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421
2	Terminal A	Lighting	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Terminal A	Lighting	Skid Steer	Diesel	75	0.21	4.603311	4.825325	693.2529	0.004246	0.680202	0.625786	0.906351	0.330959
2	Terminal A	Lighting	Tractors/L	Diesel	100	0.21	4.263727	3.349504	693.9528	0.004099	0.598567	0.550681	0.675323	0.517413
2	Terminal A	Markings	Flatbed Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
2	Terminal A	Markings	Other Gen	Diesel	175	0.43	0.436835	1.599111	530.4876	0.002949	0.107246	0.098666	0.183196	0.215421
2	Terminal A	Markings	Pickup Tru	Diesel	600	0.59	0.243052	0.726558	536.3989	0.002666	0.029799	0.027415	0.142438	0.229008
3	Demolition	Asphalt De	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.185186
3	Demolition	Asphalt De	Excavator	Diesel	175	0.59	0.292252	0.701203	536.3824	0.002701	0.054125	0.049795	0.147908	0.137593
3	Demolition	Asphalt De	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Demolition	Concrete D	Excavator	Diesel	175	0.59	0.292252	0.701203	536.3824	0.002701	0.054125	0.049795	0.147908	0.137593
3	Demolition	Concrete D	Excavator	Diesel	175	0.59	0.292252	0.701203	536.3824	0.002701	0.054125	0.049795	0.147908	0.137593
3	Demolition	Concrete D	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.216301
3	Taxiways	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Asphalt Pla	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.26337
3	Taxiways	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Asphalt Pla	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.17689
3	Taxiways	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.30413	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.47869
3	Taxiways	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004656
3	Taxiways	Concrete P	Air Compre	Diesel	100	0.43	1.104828	1.794372	589.7345	0.003245	0.158031	0.145388	0.20937	0.191638
3	Taxiways	Concrete P	Concrete S	Diesel	40	0.59	0.522532	3.313194	595.6491	0.003072	0.071525	0.065803	0.167578	0.003521
3	Taxiways	Concrete P	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Concrete P	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.26337
3	Taxiways	Concrete P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Concrete P	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.238348
3	Taxiways	Concrete P	Slip Form F	Diesel	175	0.59	0.436875	1.003913	536.3454	0.002812	0.094305	0.086761	0.16014	0.216301
3	Taxiways	Concrete P	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.004656
3	Taxiways	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.238348
3	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.26337
3	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Drainage -	Tractors/L	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.738634
3	Taxiways	Dust Contr	Water Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Excavation	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.185186
3	Taxiways	Excavation	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Excavation	Excavator	Diesel	175	0.59	0.292252	0.701203	536.3824	0.002701	0.054125	0.049795	0.147908	0.137593
3	Taxiways	Excavation	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Excavation	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.17689
3	Taxiways	Excavation	Scraper	Diesel	600	0.59	0.545055	1.354216	536.3629	0.002882	0.080485	0.074046	0.154332	0.812523
3	Taxiways	Excavation	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.185186
3	Taxiways	Grading	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.185186
3	Taxiways	Grading	Grader	Diesel	300	0.59	0.24308	0.754295	536.3827	0.002696	0.037599	0.034591	0.147818	0.197637
3	Taxiways	Grading	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.17689
3	Taxiways	Hydroseed	Hydroseed	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Hydroseed	Off-Road T	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Lighting	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Lighting	Loader	Diesel	175	0.59	0.478147	1.116521	536.3316	0.002844	0.10542	0.096987	0.164705	0.238348
3	Taxiways	Lighting	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.26337
3	Taxiways	Lighting	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Lighting	Skid Steer	Diesel	75	0.21	4.30413	4.67386	693.4617	0.004195	0.628737	0.578438	0.837397	0.47869
3	Taxiways	Lighting	Tractors/L	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.738634
3	Taxiways	Markings	Flatbed Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.26337
3	Taxiways	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762

3	Taxiways	Soil Erosio	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.26337
3	Taxiways	Soil Erosio	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Soil Erosio	Pumps	Diesel	11	0.43	4.4591	4.594026	588.4291	0.003967	0.417534	0.384131	0.640288	0.013259
3	Taxiways	Soil Erosio	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.738634
3	Taxiways	Subbase Pl	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.185186
3	Taxiways	Subbase Pl	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Subbase Pl	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Subbase Pl	Roller	Diesel	100	0.59	1.30367	1.306501	595.6222	0.003159	0.15657	0.144044	0.176484	0.17689
3	Taxiways	Topsoil Pla	Dozer	Diesel	175	0.59	0.370776	0.855376	536.3643	0.00276	0.076278	0.070176	0.15389	0.185186
3	Taxiways	Topsoil Pla	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
3	Taxiways	Topsoil Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4013	0.002648	0.025336	0.023309	0.141674	0.279762
4	Taxiways	Asphalt Pla	Asphalt Pa	Diesel	175	0.59	0.436875	1.003913	536.3453	0.002812	0.094305	0.086761	0.16014	0.136238
4	Taxiways	Asphalt Pla	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4012	0.002648	0.025336	0.023309	0.141674	0.17621
4	Taxiways	Asphalt Pla	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379
4	Taxiways	Asphalt Pla	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4012	0.002648	0.025336	0.023309	0.141674	0.17621
4	Taxiways	Asphalt Pla	Roller	Diesel	100	0.59	1.30367	1.306501	595.6221	0.003159	0.15657	0.144044	0.176484	0.111415
4	Taxiways	Asphalt Pla	Skid Steer	Diesel	75	0.21	4.30413	4.673861	693.4618	0.004195	0.628737	0.578438	0.837397	0.301505
4	Taxiways	Asphalt Pla	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.002933
4	Taxiways	Concrete P	Air Compre	Diesel	100	0.43	1.104828	1.794372	589.7345	0.003245	0.158031	0.145388	0.20937	0.195896
4	Taxiways	Concrete P	Concrete S	Diesel	40	0.59	0.522532	3.313194	595.6491	0.003072	0.071525	0.065803	0.167578	0.002217
4	Taxiways	Concrete P	Concrete T	Diesel	600	0.59	0.219725	0.628334	536.4012	0.002648	0.025336	0.023309	0.141674	0.17621
4	Taxiways	Concrete P	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379
4	Taxiways	Concrete P	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4012	0.002648	0.025336	0.023309	0.141674	0.17621
4	Taxiways	Concrete P	Rubber Tir	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.150125
4	Taxiways	Concrete P	Slip Form F	Diesel	175	0.59	0.436875	1.003913	536.3453	0.002812	0.094305	0.086761	0.16014	0.136238
4	Taxiways	Concrete P	Surfacing E	Diesel	25	0.59	2.379151	4.459281	594.7267	0.004009	0.353137	0.324886	0.472055	0.002933
4	Taxiways	Drainage -	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4012	0.002648	0.025336	0.023309	0.141674	0.17621
4	Taxiways	Drainage -	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.150125
4	Taxiways	Drainage -	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379
4	Taxiways	Drainage -	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4012	0.002648	0.025336	0.023309	0.141674	0.17621
4	Taxiways	Drainage -	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.465232
4	Taxiways	Lighting	Dump Truc	Diesel	600	0.59	0.219725	0.628334	536.4012	0.002648	0.025336	0.023309	0.141674	0.17621
4	Taxiways	Lighting	Loader	Diesel	175	0.59	0.478147	1.116521	536.3315	0.002844	0.10542	0.096987	0.164705	0.150125
4	Taxiways	Lighting	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379
4	Taxiways	Lighting	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4012	0.002648	0.025336	0.023309	0.141674	0.17621
4	Taxiways	Lighting	Skid Steer	Diesel	75	0.21	4.30413	4.673861	693.4618	0.004195	0.628737	0.578438	0.837397	0.301505
4	Taxiways	Lighting	Tractors/Lo	Diesel	100	0.21	3.970305	3.073715	694.1216	0.004039	0.547955	0.504118	0.619598	0.465232
4	Taxiways	Markings	Flatbed Tru	Diesel	600	0.59	0.219725	0.628334	536.4012	0.002648	0.025336	0.023309	0.141674	0.17621
4	Taxiways	Markings	Other Gen	Diesel	175	0.43	0.383693	1.400863	530.5104	0.002888	0.092368	0.084979	0.175662	0.180379
4	Taxiways	Markings	Pickup Tru	Diesel	600	0.59	0.219725	0.628334	536.4012	0.002648	0.025336	0.023309	0.141674	0.17621

Emission Factors: On-Road (from MOVES)

Scenario ID	Project Typ	Equipmen	Fuel Type	Roadway T	CO(g/mi)	NOx(g/mi)	CO2(g/mi)	SO2(g/mi)	PM10(g/m	PM2.5(g/m	CH4(g/mi)	N2O(g/mi)	VOC(g/mi)	RV CO(g/ve	RV NOx(g/	RV CO2(g/	RV SO2(g/	RV PM10(g	RV PM2.5(	RV VOC(g/	RP VOC(g/veh-day)
1	Demolition	Dump Truc	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Demolition	Passenger	Gasoline	Urban Unr	2.01	0.148	377.338	0.006	0.004	0.004	0.071	0.004	0.002	26.619	2.294	318.593	0.005	0.034	0.031	5.89	0
1	Demolition	Dump Truc	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Demolition	Passenger	Gasoline	Urban Unr	2.01	0.148	377.338	0.006	0.004	0.004	0.071	0.004	0.002	26.619	2.294	318.593	0.005	0.034	0.031	5.89	0
1	Noise Barri	Cement Mi	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Noise Barri	Dump Truc	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Noise Barri	Passenger	Gasoline	Urban Unr	2.01	0.148	377.338	0.006	0.004	0.004	0.071	0.004	0.002	26.619	2.294	318.593	0.005	0.034	0.031	5.89	0
1	Rehabilitat	Asphalt 18	Diesel	Urban Unr	1.405	4.479	2462.639	0.017	0.248	0.241	0.329	0.066	0.003	25.917	0.887	350.235	0.003	0.048	0.046	11.681	0
1	Rehabilitat	Cement Mi	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Rehabilitat	Dump Truc	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Rehabilitat	Dump Truc	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Rehabilitat	Passenger	Gasoline	Urban Unr	2.01	0.148	377.338	0.006	0.004	0.004	0.071	0.004	0.002	26.619	2.294	318.593	0.005	0.034	0.031	5.89	0
1	Service Roa	Asphalt 18	Diesel	Urban Unr	1.405	4.479	2462.639	0.017	0.248	0.241	0.329	0.066	0.003	25.917	0.887	350.235	0.003	0.048	0.046	11.681	0
1	Service Roa	Cement Mi	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Service Roa	Dump Truc	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Service Roa	Dump Truc	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Service Roa	Passenger	Gasoline	Urban Unr	2.01	0.148	377.338	0.006	0.004	0.004	0.071	0.004	0.002	26.619	2.294	318.593	0.005	0.034	0.031	5.89	0
1	Taxiways	Asphalt 18	Diesel	Urban Unr	1.405	4.479	2462.639	0.017	0.248	0.241	0.329	0.066	0.003	25.917	0.887	350.235	0.003	0.048	0.046	11.681	0
1	Taxiways	Cement Mi	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Taxiways	Dump Truc	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Taxiways	Dump Truc	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Taxiways	Passenger	Gasoline	Urban Unr	2.01	0.148	377.338	0.006	0.004	0.004	0.071	0.004	0.002	26.619	2.294	318.593	0.005	0.034	0.031	5.89	0
1	Terminal A	Asphalt 18	Diesel	Urban Unr	1.405	4.479	2462.639	0.017	0.248	0.241	0.329	0.066	0.003	25.917	0.887	350.235	0.003	0.048	0.046	11.681	0
1	Terminal A	Cement Mi	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Terminal A	Dump Truc	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Terminal A	Dump Truc	Diesel	Urban Unr	0.866	1.988	1342.988	0.009	0.084	0.082	0.236	0.069	0.003	24.159	0.401	302.503	0.002	0.028	0.027	1.325	0
1	Terminal A	Passenger	Gasoline	Urban Unr	2.01	0.148	377.338	0.006	0.004	0.004	0.071	0.004	0.002	26.619	2.294	318.593	0.005	0.034	0.031	5.89	0
2	Rehabilitat	Asphalt 18	Diesel	Urban Unr	1.405	5.285	2328.797	0.017	0.248	0.241	0.325	0.066	0.003	32.78	13.237	588.804	0.004	0.048	0.047	12.581	0
2	Rehabilitat	Cement Mi	Diesel	Urban Unr	0.866	2.346	1249.196	0.009	0.084	0.082	0.234	0.069	0.003	30.234	12.065	520.318	0.004	0.028	0.027	3.99	0
2	Rehabilitat	Dump Truc	Diesel	Urban Unr	0.866	2.346	1249.196	0.009	0.084	0.082	0.234	0.069	0.003	30.234	12.065	520.318	0.004	0.028	0.027	3.99	0
2	Rehabilitat	Dump Truc	Diesel	Urban Unr	0.866	2.346	1249.196	0.009	0.084	0.082	0.234	0.069	0.003	30.234	12.065	520.318	0.004	0.028	0.027	3.99	0
2	Rehabilitat	Passenger	Gasoline	Urban Unr	3.454	0.14	353.902	0.005	0.019	0.017	0.069	0.004	0.002	272.454	3.614	840.048	0.012	0.254	0.234	9.99	0.599
2	Taxiways	Asphalt 18	Diesel	Urban Unr	1.405	5.285	2328.797	0.017	0.248	0.241	0.325	0.066	0.003	32.78	13.237	588.804	0.004	0.048	0.047	12.581	0
2	Taxiways	Cement Mi	Diesel	Urban Unr	0.866	2.346	1249.196	0.009	0.084	0.082	0.234	0.069	0.003	30.234	12.065	520.318	0.004	0.028	0.027	3.99	0
2	Taxiways	Dump Truc	Diesel	Urban Unr	0.866	2.346	1249.196	0.009	0.084	0.082	0.234	0.069	0.003	30.234	12.065	520.318	0.004	0.028	0.027	3.99	0
2	Taxiways	Dump Truc	Diesel	Urban Unr	0.866	2.346	1249.196	0.009	0.084	0.082	0.234	0.069	0.003	30.234	12.065	520.318	0.004	0.028	0.027	3.99	0
2	Taxiways	Passenger	Gasoline	Urban Unr	3.454	0.14	353.902	0.005	0.019	0.017	0.069	0.004	0.002	272.454	3.614	840.048	0.012	0.254	0.234	9.99	0.599
2	Terminal A	Asphalt 18	Diesel	Urban Unr	1.405	5.285	2328.797	0.017	0.248	0.241	0.325	0.066	0.003	32.78	13.237	588.804	0.004	0.048	0.047	12.581	0
2	Terminal A	Cement Mi	Diesel	Urban Unr	0.866	2.346	1249.196	0.009	0.084	0.082	0.234	0.069	0.003	30.234	12.065	520.318	0.004	0.028	0.027	3.99	0
2	Terminal A	Dump Truc	Diesel	Urban Unr	0.866	2.346	1249.196	0.009	0.084	0.082	0.234	0.069	0.003	30.234	12.065	520.318	0.004	0.028	0.027	3.99	0
2	Terminal A	Dump Truc	Diesel	Urban Unr	0.866	2.346	1249.196	0.009	0.084	0.082	0.234	0.069	0.003	30.234	12.065	520.318	0.004	0.028	0.027	3.99	0
2	Terminal A	Passenger	Gasoline	Urban Unr	3.454	0.14	353.902	0.005	0.019	0.017	0.069	0.004	0.002	272.454	3.614	840.048	0.012	0.254	0.234	9.99	0.599
3	Demolition	Dump Truc	Diesel	Urban Unr	0.794	1.831	1343.01	0.009	0.074	0.072	0.211	0.07	0.003	24.156	0.401	302.657	0.002	0.025	0.024	1.311	0
3	Demolition	Passenger	Gasoline	Urban Unr	1.977	0.135	371.89	0.006	0.004	0.004	0.068	0.004	0.002	26.173	2.128	313.942	0.005	0.033	0.031	5.714	0
3	Demolition	Dump Truc	Diesel	Urban Unr	0.794	1.831	1343.01	0.009	0.074	0.072	0.211	0.07	0.003	24.156	0.401	302.657	0.002	0.025	0.024	1.311	0
3	Demolition	Passenger	Gasoline	Urban Unr	1.977	0.135	371.89	0.006	0.004	0.004	0.068	0.004	0.002	26.173	2.128	313.942	0.005	0.033	0.031	5.714	0
3	Taxiways	Asphalt 18	Diesel	Urban Unr	1.262	4.043	2462.73	0.017	0.217	0.21	0.299	0.067	0.003	25.914	0.887	350.47	0.003	0.044	0.042	11.899	0
3	Taxiways	Cement Mi	Diesel	Urban Unr	0.794	1.831	1343.01	0.009	0.074	0.072	0.211	0.07	0.003	24.156	0.401	302.657	0.002	0.025	0.024	1.311	0
3	Taxiways	Dump Truc	Diesel	Urban Unr	0.794	1.831	1343.01	0.009	0.074	0.072	0.211	0.07	0.003	24.156	0.401	302.657	0.002	0.025	0.024	1.311	0
3	Taxiways	Dump Truc	Diesel	Urban Unr	0.794	1.831	1343.01	0.009	0.074	0.072	0.211	0.07	0.003	24.156	0.401	302.657	0.002	0.025	0.024	1.311	0
3	Taxiways	Passenger	Gasoline	Urban Unr	1.977	0.135	371.89	0.006	0.004	0.004	0.068	0.004	0.002	26.173	2.128	313.942	0.005	0.033	0.031	5.714	0
4	Taxiways	Asphalt 18	Diesel	Urban Unr	1.262	4.77	2328.797	0.016	0.217	0.21	0.295	0.067	0.003	32.776	13.236	589.199	0.004	0.044	0.043	12.611	0
4	Taxiways	Cement Mi	Diesel	Urban Unr	0.794	2.16	1249.196	0.009	0.074	0.072	0.209	0.07	0.003	30.232	12.065	520.582	0.004	0.025	0.024	3.886	0
4	Taxiways	Dump Truc	Diesel	Urban Unr	0.794	2.16	1249.196	0.009	0.074	0.072	0.209	0.07	0.003	30.232	12.065	520.582	0.004	0.025	0.024	3.886	0
4	Taxiways	Dump Truc	Diesel	Urban Unr	0.794	2.16	1249.196	0.009	0.074	0.072	0.209	0.07	0.003	30.232	12.065	520.582	0.004	0.025	0.024	3.886	0
4	Taxiways	Passenger	Gasoline	Urban Unr	3.418	0.127	348.787	0.005	0.019	0.017	0.065	0.004	0.002	270.966	3.422	827.787	0.012	0.245	0.225	9.244	0.562

Fugitive Emissions (Emission Factors from Various Sources including AP-42)

Scenario ID	Project	Fugitive Ty	Variable	Default Val	Units	User Value
1	Demolition	Soil Handli	u = Wind s	5	mph	
1	Demolition	Soil Handli	m = Moistu	0.25	fraction	
1	Demolition	Soil Handli	T = Mass o	42274.7	tons	
1	Demolition	Soil Handli	PM10 = T x	870.2	lbs	
1	Demolition	Unstabilize	A = Area af	35.3	acres	
1	Demolition	Unstabilize	TPConv = T	0.5	fraction	
1	Demolition	Unstabilize	CE = Contr	0.63	fraction	
1	Demolition	Unstabilize	t = year (e.	0.5	years	
1	Demolition	Unstabilize	PM10 = 0.3	0.001	lbs	
1	Demolition	Material M	s = Surface	0.043	fraction	
1	Demolition	Material M	Wt. = Mea	32	tons	
1	Demolition	Material M	VMT = Veh	23851.6	miles	
1	Demolition	Material M	PM10 = 1.5	653.3	lbs	
1	Demolition	Material M	sL = Road s	0.1	g/m3	
1	Demolition	Material M	Wt. = Mea	32	tons	
1	Demolition	Material M	VMT = Veh	21930	miles	
1	Demolition	Material M	PM10 = 0.0	203.6	lbs	
1	Demolition	Soil Handli	u = Wind s	5	mph	
1	Demolition	Soil Handli	m = Moistu	0.25	fraction	
1	Demolition	Soil Handli	T = Mass o	52843.3	tons	
1	Demolition	Soil Handli	PM10 = T x	1087.8	lbs	
1	Demolition	Unstabilize	A = Area af	44.1	acres	
1	Demolition	Unstabilize	TPConv = T	0.5	fraction	
1	Demolition	Unstabilize	CE = Contr	0.63	fraction	
1	Demolition	Unstabilize	t = year (e.	0.5	years	
1	Demolition	Unstabilize	PM10 = 0.3	0.001	lbs	
1	Demolition	Material M	s = Surface	0.043	fraction	
1	Demolition	Material M	Wt. = Mea	32	tons	
1	Demolition	Material M	VMT = Veh	10942.6	miles	
1	Demolition	Material M	PM10 = 1.5	299.7	lbs	
1	Demolition	Material M	sL = Road s	0.1	g/m3	
1	Demolition	Material M	Wt. = Mea	32	tons	
1	Demolition	Material M	VMT = Veh	7740	miles	
1	Demolition	Material M	PM10 = 0.0	71.8	lbs	
1	Noise Barri	Unstabilize	A = Area af	26.9	acres	
1	Noise Barri	Unstabilize	TPConv = T	0.5	fraction	
1	Noise Barri	Unstabilize	CE = Contr	0.63	fraction	
1	Noise Barri	Unstabilize	t = year (e.	0.5	years	
1	Noise Barri	Unstabilize	PM10 = 0.3	0	lbs	
1	Noise Barri	Soil Handli	u = Wind s	5	mph	
1	Noise Barri	Soil Handli	m = Moistu	0.25	fraction	
1	Noise Barri	Soil Handli	T = Mass o	32175	tons	
1	Noise Barri	Soil Handli	PM10 = T x	662.3	lbs	
1	Noise Barri	Material M	s = Surface	0.043	fraction	
1	Noise Barri	Material M	Wt. = Mea	32	tons	
1	Noise Barri	Material M	VMT = Veh	27476.8	miles	
1	Noise Barri	Material M	PM10 = 1.5	752.5	lbs	
1	Noise Barri	Material M	sL = Road s	0.1	g/m3	
1	Noise Barri	Material M	Wt. = Mea	32	tons	
1	Noise Barri	Material M	VMT = Veh	26445	miles	
1	Noise Barri	Material M	PM10 = 0.0	245.5	lbs	
1	Rehabilitat	Soil Handli	u = Wind s	5	mph	
1	Rehabilitat	Soil Handli	m = Moistu	0.25	fraction	
1	Rehabilitat	Soil Handli	T = Mass o	30694.1	tons	
1	Rehabilitat	Soil Handli	PM10 = T x	631.8	lbs	
1	Rehabilitat	Unstabilize	A = Area af	25.6	acres	
1	Rehabilitat	Unstabilize	TPConv = T	0.5	fraction	
1	Rehabilitat	Unstabilize	CE = Contr	0.63	fraction	
1	Rehabilitat	Unstabilize	t = year (e.	0.5	years	
1	Rehabilitat	Unstabilize	PM10 = 0.3	0	lbs	
1	Rehabilitat	Material M	s = Surface	0.043	fraction	
1	Rehabilitat	Material M	Wt. = Mea	32	tons	
1	Rehabilitat	Material M	VMT = Veh	31007.6	miles	
1	Rehabilitat	Material M	PM10 = 1.5	849.2	lbs	
1	Rehabilitat	Material M	sL = Road s	0.1	g/m3	
1	Rehabilitat	Material M	Wt. = Mea	32	tons	
1	Rehabilitat	Material M	VMT = Veh	29025	miles	
1	Rehabilitat	Material M	PM10 = 0.0	269.4	lbs	
1	Rehabilitat	Concrete M	V = Volume	51621.9	yd3	
1	Rehabilitat	Concrete M	PM10 = 0.0	1910	lbs	
1	Service Roa	Asphalt Dr	A = Area of	1858	m2	
1	Service Roa	Asphalt Dr	AR = Applic	1.811	l/m2	
1	Service Roa	Asphalt Dr	VD = Volun	0.35	fraction	

1	Service Roa	Asphalt Dri	EF = Mass f	0.7	fraction		
1	Service Roa	Asphalt Dri	D = Density	1.8	lbs/l		
1	Service Roa	Asphalt Dri	VOC = A x A	1483.9	lbs		
1	Service Roa	Asphalt Sto	T = Mass o	241.7	tons		
1	Service Roa	Asphalt Sto	PM10 = (0.	6.628	lbs		
1	Service Roa	Asphalt Sto	CO = (0.4 +	96.8	lbs		
1	Service Roa	Asphalt Sto	NOx = (0.0	6.043	lbs		
1	Service Roa	Asphalt Sto	SOx = (0.0	1.112	lbs		
1	Service Roa	Asphalt Sto	VOC = (0.0	2.997	lbs		
1	Service Roa	Material M	s = Surface	0.043	fraction		
1	Service Roa	Material M	Wt. = Mea	32	tons		
1	Service Roa	Material M	VMT = Veh	2632.7	miles		
1	Service Roa	Material M	PM10 = 1.5	72.1	lbs		
1	Service Roa	Material M	sL = Road s	0.1	g/m3		
1	Service Roa	Material M	Wt. = Mea	32	tons		
1	Service Roa	Material M	VMT = Veh	2580	miles		
1	Service Roa	Material M	PM10 = 0.0	23.9	lbs		
1	Service Roa	Unstabilize	A = Area af	0.459	acres		
1	Service Roa	Unstabilize	TPConv = T	0.5	fraction		
1	Service Roa	Unstabilize	CE = Contr	0.63	fraction		
1	Service Roa	Unstabilize	t = year (e.	0.5	years		
1	Service Roa	Unstabilize	PM10 = 0.3	0	lbs		
1	Service Roa	Soil Handli	u = Wind s	5	mph		
1	Service Roa	Soil Handli	m = Moistu	0.25	fraction		
1	Service Roa	Soil Handli	T = Mass o	550	tons		
1	Service Roa	Soil Handli	PM10 = T x	11.3	lbs		
1	Taxiways	Asphalt Dri	A = Area of	230763.6	m2	69390	
1	Taxiways	Asphalt Dri	AR = Applic	1.811	l/m2		
1	Taxiways	Asphalt Dri	VD = Volun	0.35	fraction		
1	Taxiways	Asphalt Dri	EF = Mass f	0.7	fraction		
1	Taxiways	Asphalt Dri	D = Density	1.8	lbs/l		
1	Taxiways	Asphalt Dri	VOC = A x A	184299.6	lbs	55418.39	
1	Taxiways	Asphalt Sto	T = Mass o	30021	tons		
1	Taxiways	Asphalt Sto	PM10 = (0.	823.2	lbs		
1	Taxiways	Asphalt Sto	CO = (0.4 +	12020.4	lbs		
1	Taxiways	Asphalt Sto	NOx = (0.0	750.5	lbs		
1	Taxiways	Asphalt Sto	SOx = (0.0	138.1	lbs		
1	Taxiways	Asphalt Sto	VOC = (0.0	372.3	lbs		
1	Taxiways	Material M	s = Surface	0.043	fraction		
1	Taxiways	Material M	Wt. = Mea	32	tons		
1	Taxiways	Material M	VMT = Veh	66388.1	miles		
1	Taxiways	Material M	PM10 = 1.5	1818.2	lbs		
1	Taxiways	Material M	sL = Road s	0.1	g/m3		
1	Taxiways	Material M	Wt. = Mea	32	tons		
1	Taxiways	Material M	VMT = Veh	61275	miles		
1	Taxiways	Material M	PM10 = 0.0	568.8	lbs		
1	Taxiways	Concrete M	V = Volume	114885	yd3		
1	Taxiways	Concrete M	PM10 = 0.0	4250.7	lbs		
1	Taxiways	Unstabilize	A = Area af	57	acres		
1	Taxiways	Unstabilize	TPConv = T	0.5	fraction		
1	Taxiways	Unstabilize	CE = Contr	0.63	fraction		
1	Taxiways	Unstabilize	t = year (e.	0.5	years		
1	Taxiways	Unstabilize	PM10 = 0.3	0.001	lbs		
1	Taxiways	Soil Handli	u = Wind s	5	mph		
1	Taxiways	Soil Handli	m = Moistu	0.25	fraction		
1	Taxiways	Soil Handli	T = Mass o	68310	tons		
1	Taxiways	Soil Handli	PM10 = T x	1406.1	lbs		
1	Terminal A	Asphalt Dri	A = Area of	48308	m2	0	
1	Terminal A	Asphalt Dri	AR = Applic	1.811	l/m2		
1	Terminal A	Asphalt Dri	VD = Volun	0.35	fraction		
1	Terminal A	Asphalt Dri	EF = Mass f	0.7	fraction		
1	Terminal A	Asphalt Dri	D = Density	1.8	lbs/l		
1	Terminal A	Asphalt Dri	VOC = A x A	38581.2	lbs	0	
1	Terminal A	Asphalt Sto	T = Mass o	6284.6	tons		
1	Terminal A	Asphalt Sto	PM10 = (0.	172.3	lbs		
1	Terminal A	Asphalt Sto	CO = (0.4 +	2516.3	lbs		
1	Terminal A	Asphalt Sto	NOx = (0.0	157.1	lbs		
1	Terminal A	Asphalt Sto	SOx = (0.0	28.9	lbs		
1	Terminal A	Asphalt Sto	VOC = (0.0	77.9	lbs		
1	Terminal A	Material M	s = Surface	0.043	fraction		
1	Terminal A	Material M	Wt. = Mea	32	tons		
1	Terminal A	Material M	VMT = Veh	15191.9	miles		
1	Terminal A	Material M	PM10 = 1.5	416.1	lbs		
1	Terminal A	Material M	sL = Road s	0.1	g/m3		
1	Terminal A	Material M	Wt. = Mea	32	tons		
1	Terminal A	Material M	VMT = Veh	14190	miles		
1	Terminal A	Material M	PM10 = 0.0	131.7	lbs		
1	Terminal A	Unstabilize	A = Area af	11.9	acres		
1	Terminal A	Unstabilize	TPConv = T	0.5	fraction		
1	Terminal A	Unstabilize	CE = Contr	0.63	fraction		
1	Terminal A	Unstabilize	t = year (e.	0.5	years		
1	Terminal A	Unstabilize	PM10 = 0.3	0	lbs		
1	Terminal A	Soil Handli	u = Wind s	5	mph		
1	Terminal A	Soil Handli	m = Moistu	0.25	fraction		
1	Terminal A	Soil Handli	T = Mass o	14300	tons		
1	Terminal A	Soil Handli	PM10 = T x	294.4	lbs		
2	Rehabilitat	Asphalt Dri	A = Area of	103690.3	m2	62296	
2	Rehabilitat	Asphalt Dri	AR = Applic	1.811	l/m2		
2	Rehabilitat	Asphalt Dri	VD = Volun	0.35	fraction		
2	Rehabilitat	Asphalt Dri	EF = Mass f	0.7	fraction		
2	Rehabilitat	Asphalt Dri	D = Density	1.8	lbs/l		
2	Rehabilitat	Asphalt Dri	VOC = A x A	82812.4	lbs	49752.76	
2	Rehabilitat	Asphalt Sto	T = Mass o	13489.5	tons		
2	Rehabilitat	Asphalt Sto	PM10 = (0.	369.9	lbs		
2	Rehabilitat	Asphalt Sto	CO = (0.4 +	5401.2	lbs		
2	Rehabilitat	Asphalt Sto	NOx = (0.0	337.2	lbs		
2	Rehabilitat	Asphalt Sto	SOx = (0.0	62.1	lbs		
2	Rehabilitat	Asphalt Sto	VOC = (0.0	167.3	lbs		
2	Rehabilitat	Material M	s = Surface	0.043	fraction		
2	Rehabilitat	Material M	Wt. = Mea	32	tons		
2	Rehabilitat	Material M	VMT = Veh	27895	miles		
2	Rehabilitat	Material M	PM10 = 1.5	764	lbs		
2	Rehabilitat	Material M	sL = Road s	0.1	g/m3		
2	Rehabilitat	Material M	Wt. = Mea	32	tons		
2	Rehabilitat	Material M	VMT = Veh	27735	miles		
2	Rehabilitat	Material M	PM10 = 0.0	257.5	lbs		
2	Taxiways	Asphalt Dri	A = Area of	38502.4	m2	13878	
2	Taxiways	Asphalt Dri	AR = Applic	1.811	l/m2		
2	Taxiways	Asphalt Dri	VD = Volun	0.35	fraction		
2	Taxiways	Asphalt Dri	EF = Mass f	0.7	fraction		
2	Taxiways	Asphalt Dri	D = Density	1.8	lbs/l		
2	Taxiways	Asphalt Dri	VOC = A x A	30750	lbs	11083.68	
2	Taxiways	Asphalt Sto	T = Mass o	5008.9	tons		
2	Taxiways	Asphalt Sto	PM10 = (0.	137.3	lbs		
2	Taxiways	Asphalt Sto	CO = (0.4 +	2005.6	lbs		
2	Taxiways	Asphalt Sto	NOx = (0.0	125.2	lbs		
2	Taxiways	Asphalt Sto	SOx = (0.0	23	lbs		
2	Taxiways	Asphalt Sto	VOC = (0.0	62.1	lbs		
2	Taxiways	Material M	s = Surface	0.043	fraction		
2	Taxiways	Material M	Wt. = Mea	32	tons		
2	Taxiways	Material M	VMT = Veh	10416.9	miles		
2	Taxiways	Material M	PM10 = 1.5	285.3	lbs		
2	Taxiways	Material M	sL = Road s	0.1	g/m3		
2	Taxiways	Material M	Wt. = Mea	32	tons		
2	Taxiways	Material M	VMT = Veh	10320	miles		
2	Taxiways	Material M	PM10 = 0.0	95.8	lbs		
2	Taxiways	Concrete M	V = Volume	19168.3	yd3		
2	Taxiways	Concrete M	PM10 = 0.0	709.2	lbs		
2	Terminal A	Asphalt Dri	A = Area of	48308	m2	0	
2	Terminal A	Asphalt Dri	AR = Applic	1.811	l/m2		
2	Terminal A	Asphalt Dri	VD = Volun	0.35	fraction		
2	Terminal A	Asphalt Dri	EF = Mass f	0.7	fraction		
2	Terminal A	Asphalt Dri	D = Density	1.8	lbs/l		
2	Terminal A	Asphalt Dri	VOC = A x A	38581.2	lbs	0	
2	Terminal A	Asphalt Sto	T = Mass o	6284.6	tons		
2	Terminal A	Asphalt Sto	PM10 = (0.	172.3	lbs		
2	Terminal A	Asphalt Sto	CO = (0.4 +	2516.3	lbs		
2	Terminal A	Asphalt Sto	NOx = (0.0	157.1	lbs		
2	Terminal A	Asphalt Sto	SOx = (0.0	28.9	lbs		
2	Terminal A	Asphalt Sto	VOC = (0.0	77.9	lbs		
2	Terminal A	Material M	s = Surface	0.043	fraction		
2	Terminal A	Material M	Wt. = Mea	32	tons		
2	Terminal A	Material M	VMT = Veh	13174.3	miles		
2	Terminal A	Material M	PM10 = 1.5	360.8	lbs		
2	Terminal A	Material M	sL = Road s	0.1	g/m3		
2	Terminal A	Material M	Wt. = Mea	32	tons		
2	Terminal A	Material M	VMT = Veh	13115	miles		
2	Terminal A	Material M	PM10 = 0.0	121.7	lbs		
3	Demolition	Soil Handli	u = Wind s	5	mph		
3	Demolition	Soil Handli	m = Moistu	0.25	fraction		
3	Demolition	Soil Handli	T = Mass o	33448.8	tons		
3	Demolition	Soil Handli	PM10 = T x	688.5	lbs		
3	Demolition	Unstabilize	A = Area af	27.9	acres		
3	Demolition	Unstabilize	TPConv = T	0.5	fraction		
3	Demolition	Unstabilize	CE = Contr	0.63	fraction		
3	Demolition	Unstabilize	t = year (e.	0.5	years		
3	Demolition	Unstabilize	PM10 = 0.3	0	lbs		
3	Demolition	Material M	s = Surface	0.043	fraction		
3	Demolition	Material M	Wt. = Mea	32	tons		
3	Demolition	Material M	VMT = Veh	18935.4	miles		
3	Demolition	Material M	PM10 = 1.5	518.6	lbs		
3	Demolition	Material M	sL = Road s	0.1	g/m3		
3	Demolition	Material M	Wt. = Mea	32	tons		
3	Demolition	Material M	VMT = Veh	17415	miles		
3	Demolition	Material M	PM10 = 0.0	161.7	lbs		
3	Demolition	Soil Handli	u = Wind s	5	mph		
3	Demolition	Soil Handli	m = Moistu	0.25	fraction		
3	Demolition	Soil Handli	T = Mass o	41811	tons		
3	Demolition	Soil Handli	PM10 = T x	860.7	lbs		
3	Demolition	Unstabilize	A = Area af	34.9	acres		
3	Demolition	Unstabilize	TPConv = T	0.5	fraction		
3	Demolition	Unstabilize	CE = Contr	0.63	fraction		
3	Demolition	Unstabilize	t = year (e.	0.5	years		
3	Demolition	Unstabilize	PM10 = 0.3	0.001	lbs		
3	Demolition	Material M	s = Surface	0.043	fraction		
3	Demolition	Material M	Wt. = Mea	32	tons		
3	Demolition	Material M	VMT = Veh	8984	miles		
3	Demolition	Material M	PM10 = 1.5	246.1	lbs		

3	Demolition	Material M	sL = Road s	0.1	g/m3		
3	Demolition	Material M	Wt. = Mea	32	tons		
3	Demolition	Material M	VMT = Veh	6450	miles		
3	Demolition	Material M	PM10 = 0.(	59.9	lbs		
3	Taxiways	Asphalt Dr	A = Area of	228255.3	m2	77901	
3	Taxiways	Asphalt Dr	AR = Applic	1.811	l/m2		
3	Taxiways	Asphalt Dr	VD = Volun	0.35	fraction		
3	Taxiways	Asphalt Dr	EF = Mass f	0.7	fraction		
3	Taxiways	Asphalt Dr	D = Density	1.8	lbs/l		
3	Taxiways	Asphalt Dr	VOC = A x A	182296.3	lbs	62215.71	
3	Taxiways	Asphalt Stc	T = Mass o	29694.7	tons		
3	Taxiways	Asphalt Stc	PM10 = (0.	814.2	lbs		
3	Taxiways	Asphalt Stc	CO = (0.4 +	11889.8	lbs		
3	Taxiways	Asphalt Stc	NOx = (0.0	742.4	lbs		
3	Taxiways	Asphalt Stc	SOx = (0.0(	136.6	lbs		
3	Taxiways	Asphalt Stc	VOC = (0.0(	368.2	lbs		
3	Taxiways	Material M	s = Surface	0.043	fraction		
3	Taxiways	Material M	Wt. = Mea	32	tons		
3	Taxiways	Material M	VMT = Veh	66332.5	miles		
3	Taxiways	Material M	PM10 = 1.5	1816.7	lbs		
3	Taxiways	Material M	sL = Road s	0.1	g/m3		
3	Taxiways	Material M	Wt. = Mea	32	tons		
3	Taxiways	Material M	VMT = Veh	61275	miles		
3	Taxiways	Material M	PM10 = 0.(	568.8	lbs		
3	Taxiways	Concrete M	V = Volume	113636.3	yd3		
3	Taxiways	Concrete M	PM10 = 0.(	4204.5	lbs		
3	Taxiways	Unstabilize	A = Area af	56.4	acres		
3	Taxiways	Unstabilize	TPConv = T	0.5	fraction		
3	Taxiways	Unstabilize	CE = Contr	0.63	fraction		
3	Taxiways	Unstabilize	t = year (e.	0.5	years		
3	Taxiways	Unstabilize	PM10 = 0.3	0.001	lbs		
3	Taxiways	Soil Handli	u = Wind sp	5	mph		
3	Taxiways	Soil Handli	m = Moistu	0.25	fraction		
3	Taxiways	Soil Handli	T = Mass o	67567.5	tons		
3	Taxiways	Soil Handli	PM10 = T x	1390.9	lbs		
4	Taxiways	Asphalt Dr	A = Area of	28845.5	m2	11128	
4	Taxiways	Asphalt Dr	AR = Applic	1.811	l/m2		
4	Taxiways	Asphalt Dr	VD = Volun	0.35	fraction		
4	Taxiways	Asphalt Dr	EF = Mass f	0.7	fraction		
4	Taxiways	Asphalt Dr	D = Density	1.8	lbs/l		
4	Taxiways	Asphalt Dr	VOC = A x A	23037.4	lbs	8887.39	
4	Taxiways	Asphalt Stc	T = Mass o	3752.6	tons		
4	Taxiways	Asphalt Stc	PM10 = (0.	102.9	lbs		
4	Taxiways	Asphalt Stc	CO = (0.4 +	1502.6	lbs		
4	Taxiways	Asphalt Stc	NOx = (0.0	93.8	lbs		
4	Taxiways	Asphalt Stc	SOx = (0.0(	17.3	lbs		
4	Taxiways	Asphalt Stc	VOC = (0.0(	46.5	lbs		
4	Taxiways	Material M	s = Surface	0.043	fraction		
4	Taxiways	Material M	Wt. = Mea	32	tons		
4	Taxiways	Material M	VMT = Veh	8027.9	miles		
4	Taxiways	Material M	PM10 = 1.5	219.9	lbs		
4	Taxiways	Material M	sL = Road s	0.1	g/m3		
4	Taxiways	Material M	Wt. = Mea	32	tons		
4	Taxiways	Material M	VMT = Veh	7955	miles		
4	Taxiways	Material M	PM10 = 0.(	73.8	lbs		
4	Taxiways	Concrete M	V = Volume	14360.6	yd3		
4	Taxiways	Concrete M	PM10 = 0.(	531.3	lbs		

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ASSUMPTIONS

Emission factors were developed from the following models:

On-Road Vehicles: MOVES 2010b, revised January 2013

Non-Road Equipment: NONROAD2008a, July 2009

In addition to the overall project size dimensions (e.g., Length and width) provided by the user, an additional 10 ft length and 10 ft width is added to account for disturbance areas.

The number of employees is based on the higher of two methods: (1) number of equipment, and (2) multiply the project cost in million by 11.

The average employee travels 30 miles round-trip from home to construction site each day.

The average on-road material delivery round-trip distance per truck is 40 miles per day.

For calculating fugitive, re-entrained PM emissions from on-road and non-road material delivery and handling equipment, a nominal VMT of 5 miles is used for each vehicle per day.

In deriving emission factors from NONROAD, the horsepower for each equipment represents the most popular in each equipment category.

The total length of each modeled scenario is used to define the number of days associated with vehicle/equipment evaporative emissions.

The choice of location and season are assumed to adequately represent differences in fuel characteristics affecting emissions.

Only two seasons (Summer and Winter) are used to represent all seasons.

14 U.S. Counties are used to represent all other counties in the U.S. (all other counties are mapped to the 14).

The default methods assume that all construction equipment use diesel as well as heavy-duty on-road vehicles, while passenger vehicles (including motorcycles) use gasoline.

Fugitive emissions are only modeled for:
- Asphalt drying
- Asphalt storage and batching
- Concrete mixing/batching
- Soil handling
- Unstabilized land and wind erosion
- Material movement (unpaved roads)
- Material movement (paved roads)

On-Road vehicle speeds are not explicitly modeled. The associated emission factors for each modeled vehicle from MOVES represent averages over the driving cycles, the roadway type, and daily temperature variations.

The default equipment hours-of-use data are developed based on the overall size of the project provided by the user and activity rates based on expert engineering judgment.

Under the Construction Activity Type list (Activity Tab), when a choice between asphalt and concrete materials occurs, asphalt is always selected as default. To choose concrete, de-select the aphalt item and select the corresponding concrete item.

Two trips per day were assumed for each on-road material handling trucks.

Only CO2, CH4, and N2O are used to represent greenhouse gas emissions. Other potential greenhouse gases including air conditioning refrigerants were not included.

The following equipment are always modeled using diesel emission factors since gasoline-based emission factors are not available:
- Asphalt Deliveries/Ten Wheelers
- Bulldozer
- Concrete Ready Mix Trucks
- Concrete Ready Trucks Mix for Cores
- Concrete Truck
- Crack Filler (Trailer Mounted)
- Delivery of Tanks (3)
- Distributing Tanker
- Dozer
- Dump Truck
- Dump Truck (12 cy)
- Excavator
- Excavator for U/G Services/Tanks
- Flat Bed or Dump Trucks
- Flatbed Truck
- Grader
- Grout Wheel Truck
- Hoist Equipment with 40 Ton Rig
- Hydralic Hammer
- Hydroseeder
- Line Painting Truck and Sprayer
- Material Deliveries
- Off-Road Truck
- Pickup Truck
- Scraper
- Seed Truck Spreader
- Small Dozer
- Survey Crew Trucks
- Ten Wheelers
- Ten Wheelers- Material Delivery
- Tool Truck
- Tractor Trailer- Equipment Delivery
- Tractor Trailer- Material Delivery
- Tractor Trailer- Steel Deliveries
- Tractor Trailer- Stone Delivery
- Tractor Trailer- Topsoil & Seed
- Tractor Trailer- Truck Delivery
- Tractor Trailer with Boom Hoist- Curbs Del & Place
- Tractor Trailer with Boom Hoist- Delivery
- Tractor Trailers- Rebar Deliveries
- Tractor Trailers Temp Fac.
- Truck for Topsoil & Seed Del&Spread
- Water Truck
- Excavator with Bucket
- Excavator with Hoe Ram

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