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Dear Dr. Shen:

Ontario International Airport (ONT or Airport) submits this annual progress report on the status of its on-Airport ground support equipment (GSE) consistent with the 2019 Memorandum of Understanding (MOU) entered into by the South Coast Air Quality Management District (AQMD) and the Airport, acting by and through the Ontario International Airport Authority (OIAA) in its capacity as the proprietor and certificated operator of ONT. The purpose of this annual progress report is to provide information on the MOU's GSE measure, which stipulates that all GSE on the Airport "associated with commercial operations achieve a fleet average NO_x emission factor of 2.2 and 1.0 g/bhp-hr by January 1 of 2023 and 2031, respectively." Since the execution of the MOU, the Airport has been working with its tenants to make progress towards the targets identified in the MOU through the accelerated turnover to cleaner equipment.

Consistent with MOU Attachment A (specifically Section III.B.1 therein), the Airport's annual progress report includes a list of GSE that is subject to the MOU's commitment, coupled with the required equipment-specific information. Please see **Table 1: 2025 GSE MOU Reporting Data** included with this transmittal. The emissions inventory calculations are provided in **Table 2: 2025 GSE Emissions**, and the equipment emission factors are provided in **Table 3: 2025 GSE Fleet Average Emission Factor**. A summary of the GSE inventory in the 2017 baseline and 2025 fleet is provided in **Table 4: ONT 2017 and 2025 GSE Inventory**. Further information on these topics is provided below.

CALCULATION METHODOLOGIES

DATA COLLECTION METHODOLOGY

The GSE inventory was developed based on tenant-reported updates to annual equipment inventory information. Tenants provided GSE specifications; reported dates and destinations of equipment changes; and, in cases where data was available, reported equipment activity data from hour meter readings. Annual activity data was derived from the OFFROAD2017 database when activity hours were not reported by the tenants.

The scope of the MOU covers GSE that operates on Airport property. There is one off-Airport operator that operates GSE temporarily during the peak holiday season on Airport property. For purposes of this report and based on the Airport's current understanding of the holiday activities, activity data from these GSE was prorated based on approximately 1.5 months of on-Airport use.

GSE that is licensed for on-road use is not included in the scope of the MOU's GSE reporting. Further, non-electric GSE with power ratings less than or equal to 25 horsepower (HP) are exempt from the California Air Resources Board's in-use offroad diesel-fueled (ORD) fleets and large spark-ignition (LSI) fleets regulations, upon which the MOU's GSE measure is predicated. As such, these GSE are also not included in the overall fleet average performance level target calculation.

EMISSIONS INVENTORY CALCULATION

The 2025 progress report uses the gasoline/LPG emission factors, deterioration rates, fuel correction factors, and load factors provided by AQMD in July 2021, which reflect the latest emission standards for gasoline and liquefied petroleum gas (LPG) equipment based on existing, adopted regulations for LSI equipment. This methodology remains unchanged for the 2025 progress report calculation methodology.

Activity levels for the 2025 reporting year were sourced from the OFFROAD2017 model data, except in instances where the GSE operator provided hours of operation based on hour meter readings. AQMD provided a standardized activity level approach to employ for MOU emissions inventory, as described below:

For each GSE, activity shall be determined using the following order of operations:

1. Use actual operating hours from the tenant, if provided. If the tenant provided hours only for the prior year, use those hours for the reporting year.
2. Using OFFROAD model defaults, if the same model year (MY) and HP are available for both years from the OFFROAD model, use the reporting year operating hours, unless there is a significant difference in hours between the two years (i.e., because of low population). If the difference is greater than 25%, use the prior year's operating hours for the reporting year.
3. If default average operating hours for the matching GSE category from the OFFROAD model results are available for the prior year but are not available for the current year, use the same operating hours from the prior year for the reporting year.
4. If the exact match does not exist in the OFFROAD model, use the following prioritization:

- a. If a match exists in other fuel types for the same GSE-type, MY, and HP bin, use the average operating hours from this match.
 - b. If a match exists in other HP bins for the same GSE-type, fuel, and MY, use the average operating hours from this match (using closest HP bin match).
 - c. If a match exists in other MY for the same GSE-type, fuel, and HP bin, use the average operating hours from this match (using closest MY match).
 - i. The match should be reasonable. For example, a 1999 MY forklift should not be using a 2010 MY forklift as the offroad model surrogate.
 - d. If a close match exists in any combination of the three parameters (fuel, MY, and HP bin) for the same GSE-type, use the average operating hours from this match.
5. If the resulting hours from Step #4 are not reasonable, continue to search previous calendar years' data in OFFROAD2017 until a reasonable match is found (i.e., 2025, then 2024, then 2023, etc.) or review OFFROAD2021 until a reasonable match is found.

Furthermore, to account for on-Airport utilization, activity levels were prorated based on the date that each piece of pertinent equipment was added or removed from the Airport (including on-Airport operation related to seasonal usage), provided that the activity levels reasonably represent a full year of GSE activity.

EMISSION FACTOR CALCULATION

The NO_x emission factor fleet average is calculated as a straight average of emission factors derived from the OFFROAD2017 database for San Bernardino County. Emission factors were derived from the database for calendar year (CY) 2025 and matched for each piece of equipment by GSE-type, fuel type, MY, and HP bin. If an exact MY and HP bin match was not available for CY 2025, previous calendar years were reviewed for an exact MY and HP bin match. Where an exact MY and/or HP bin match did not exist for any calendar year in OFFROAD2017, an alternate MY/HP bin combination within the fuel type, if possible, or within another fuel type, was selected to look up emission factors for CY 2025. Such combinations were selected based on what would most accurately represent the specific equipment. Lastly, the selected OFFROAD2017 emission factor was compared against the NO_x emission factor reported in the first year the specific unit was reported. If the percentage difference for the same GSE is greater than or equal to 25%, the first reporting year emission factor was used. MY-specific emission factors from OFFROAD2017 are derived by dividing total emissions by the total annual HP-hours and GSE-type load factor.

PERFORMANCE LEVEL SUMMARY

By the end of 2024, ONT's NO_x fleet average emission factor for GSE operating on Airport property was 2.42 g/bhp-hr, a decrease from 2.62 g/bhp-hr at the end of 2023. Based on the make-up of the on-Airport GSE fleet at the end of 2025, the NO_x fleet average emission factor decreased to 2.2 g/bhp-hr.

The reported fleet average emission factor accounts for the following positive developments at ONT in 2025: (a) nineteen (19) electric GSE were added to the fleet, and (b) twenty-nine (29) GSE

with MY older than 2010 were retired or relocated to outside of the South Coast Air Basin. For more details on the GSE, please refer to the attached Equipment Summary Tables.

At the conclusion of 2025, the NOx fleet average emission factor achieved a performance level of 2.2 g/bhp-hr, which is aligned with the MOU's January 1, 2023 target. The Airport will continue to work with tenants to ensure both continued compliance with the 2023 performance level target and steady progress towards the 2031 performance level target.

Ongoing communications are focused on identifying specific equipment to be upgraded or decommissioned, and establishing a clear, actionable timeline for continuing to meet the 2023 target and work towards achieving the performance target for 2031. As outlined in greater detail below, this collaborative approach is expected to result in measurable progress towards continued compliance with the MOU requirements and reflects the Airport's prioritization of meeting environmental goals.

OIAA PROGRESS AND ACHIEVEMENTS

GSE MVOP PROGRAM IMPLEMENTATION

The Airport's GSE Motor Vehicle Operating Permit (MVOP) program was approved by the OIAA Commission on September 26, 2024, and permitting and implementation kicked off in 2025.¹ The GSE MVOP program was developed to establish robust, ongoing tracking of GSE on the Airport's premises, which ultimately would facilitate requirements and annual reporting under the MOU. Since its approval, the Airport has implemented the program in close coordination with tenants to ensure that all GSE operating on the airfield are properly permitted and visibly identified with decals.

This program includes key mechanisms to encourage regular communication with the Airport and provides the Airport with enforcement mechanisms to ensure accountability. Through program implementation, the Airport may impose discretionary penalties based on a tenant's failure to adhere to the program's registration and reporting requirements, and/or failure to achieve reasonable progress in its fleet composition. As such, enforcement actions are expected to ensure the timely implementation of GSE MVOP policies, including proper decal and permitting of GSE and communication of fleet-specific improvement plans to assist the airport in meeting MOU targets.

To maintain ongoing compliance with the GSE MVOP program requirements, an audit was conducted in Fall 2025 to confirm that all eligible GSE are permitted appropriately with the Airport. Via the audit process, a walkthrough was completed to review the compliance of each tenant through a review of a sample of the fleet. From this audit, fleets were confirmed to be permitted and no non-permitted GSE were identified during the walkthrough.

¹ OIAA Commission Meeting Agenda. September 2024. Available at: https://www.flyontario.com/sites/default/files/2024-09/2024-0926_packet_final_-_website.pdf.

Collectively, these measures highlight the Airport's strong commitment to emission reductions and establish procedures for effective program oversight.

COLLABORATION AND COMMUNICATION WITH TENANTS

In CY 2025, the Airport continued to work closely with all tenants to ensure continued improvements of GSE fleets. Through the GSE MVOP program, OIAA worked with each tenant to calculate tenant-specific fleet average emission factors and requested improvement plans from those which did not meet the emission factor target for 2023. Each improvement plan is comprised of a written outline on how the 2.2 g/bhp-hr NOx emission factor target will be met, including projected timeline, equipment replacement details, and a description of limitations or obstacles, if applicable. To date, the improvement plans received by the Airport facilitated the removal of twenty-nine older GSE units (i.e., model year < 2010) in CY 2025 and anticipate notable conversion to cleaner combustion and electric ground support equipment (eGSE) in the next 1-2 years.

OIAA's Chief Executive Officer, Atif Elkadi, continues to highlight the importance of fleet compliance through a recurring agenda item at regular meetings of the Airport and Airline Affairs Committee (AAAC). The AAAC is comprised of OIAA senior staff and airline senior representatives at ONT and meets regularly on various financial and operational topics to address key Airport needs.

ELECTRIFICATION INFRASTRUCTURE PLANNING UPDATES

In tandem with the GSE MVOP program's successful rollout, the OIAA completed the engineering design of the Zero Emission Vehicle (ZEV) Infrastructure Implementation Plan at Terminals 1, 2, and 4 in Q2 2026, which identified the spatial layout for eGSE chargers. The Method of Service study also concluded in December 2025, identifying next steps to increasing the power supply to ONT to accommodate the projected electrical demand, which is further elaborated upon below.

LOOKING AHEAD

FUTURE TENANT ENGAGEMENT

Per the GSE MVOP program, OIAA will be notified of any GSE movement onto or off of the Airport property, which will serve to ensure that the Airport is tracking the live GSE inventory. The improved oversight of tenant fleets ensures a streamlined annual reporting process and reduces the need for subsequent communications with tenants during the MOU report data gathering process.

ELECTRIFICATION INFRASTRUCTURE PLANNING

As discussed in the OIAA Progress and Achievements, Electrification Infrastructure Planning Updates section above, the Airport completed the ZEV Infrastructure Implementation Plan for eGSE charging in Q2 2026, which led to planning for multi-phased eGSE charging initiatives, including the installation of eGSE charging transition to eGSE. To support this transition, the Airport initiated engineering design for construction of eGSE charging infrastructure at Terminals

1, 2, and 4, which targeted construction in 2026 and 2027. Currently, Terminals 1, 2, and 4 serve passengers, cargo, and all international arrivals. The proposed design includes the installation of the following chargers:

- Terminal 1: four (4) 80kW 16-port chargers
- Terminal 2: seven (7) 40kW dual-port chargers and one (1) 80kW 8-port charger
- Terminal 4: eight (8) 40kW dual-port chargers and one (1) 80kW 8-port charger

The OIAA is currently finalizing its Voluntary Airport Low Emissions (VALE) grant application with the Federal Aviation Administration (FAA) to support the implementation of the proposed infrastructure at Terminals 2 and 4, as part of Phase 1 of the Airport's planned eGSE charging initiatives.

As the demand for eGSE continues to grow, a clear understanding of current electrical infrastructure and the potential for future expansion is essential. These efforts will help identify capacity limitations, mitigate the risk of power shortfalls, and provide the necessary foundation for long-term electrification. By proactively addressing infrastructure needs, these initiatives directly support the Airport's environmental goals, operational efficiency, and fulfillment of the future 2031 MOU target.

FINAL THOUGHTS

As OIAA's Executive Vice President, I will ensure ongoing collaboration with AQMD will be maintained through regular communication regarding the status and progress towards achieving the MOU targets. OIAA remains committed to sustaining its collaborative efforts with the airlines, tenants, and AQMD. Significant measures have already been implemented at ONT, and the Airport will continue working with stakeholders to meet the fleet average performance targets as soon as feasibly possible.

Please feel free to contact me at (909) 544-5427 or kkavanagh@flyontario.com with questions regarding this report. Thank you for your consideration and partnership in pursuing viable clean air initiatives in the airport sector.

Sincerely,



Karen Kavanagh
Executive Vice President, Corporate Strategy & Performance
Ontario International Airport Authority

TABLES

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations												
	III.B.1								III.B.2				
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹
1	ATI601	Air Conditioner	Diesel	1998	100	HP	Tier 1	306	Yes - Sold/Retired	8/14/2025	--	--	--
2	GS3384	Lift	Gasoline	2018	75	HP	--	378	--	--	--	--	--
3	JLG600AJ	Lift	Gasoline	2018	84	HP	--	378	--	--	--	--	--
4	GS4390	Lift	Gasoline	2013	75	HP	--	235	Yes - Sold/Retired	8/14/2025	--	--	--
5	MXI7020	Forklift	Propane	2023	55	HP	--	235	--	--	--	--	--
6	MX16615	Golf Cart	Electric	2020	4.157168478	HP	--	--	--	--	--	--	--
7	TM2602-721798	Golf Cart	Electric	2025	4.157168478	HP	--	--	--	--	--	--	--
8	TM2612-736613	Golf Cart	Electric	2025	4.157168478	HP	--	--	--	--	--	--	--
9	3040303	Golf Cart	Electric	2017	4.157168478	HP	--	--	--	--	--	--	--
10	7991	Golf Cart	Electric	2017	7	HP	--	--	--	--	--	--	--
11	558	Baggage Tug	Gasoline	1995	107	HP	--	730	--	--	--	--	--
12	607	Baggage Tug	Gasoline	1997	107	HP	--	913	--	--	--	--	--
13	854	Baggage Tug	Gasoline	1997	107	HP	--	913	--	--	--	--	--
14	855	Baggage Tug	Gasoline	1997	107	HP	--	913	--	--	--	--	--
15	856	Baggage Tug	Gasoline	1996	107	HP	--	1,095	--	--	--	--	--
16	1803	Belt Loader	Gasoline	2001	100	HP	--	730	--	--	--	--	--
17	1874	Belt Loader	Gasoline	2001	100	HP	--	730	--	--	--	--	--
18	3132	Baggage Tug	Gasoline	2003	107	HP	--	886	--	--	--	--	--
19	3622	Aircraft Tug	Diesel	2007	100	HP	Tier 3	336	--	--	--	--	--
20	3638	Belt Loader	Gasoline	2007	100	HP	--	548	--	--	--	--	--
21	5380	Ground Power Unit	Diesel	2016	175	HP	Tier 4 Final	548	--	--	--	--	--
22	5423	Air Start Unit	Diesel	2016	425	HP	Tier 4 Final	84	--	--	--	--	--
23	5603	Baggage Tug	Gasoline	2016	107	HP	--	763	Yes - Sold/Retired	11/13/2025	--	--	--
24	5646	Baggage Tug	Gasoline	2016	107	HP	--	763	Yes - Sold/Retired	11/13/2025	--	--	--
25	6150	Belt Loader	Gasoline	2016	100	HP	--	814	--	--	--	--	--
26	6151	Belt Loader	Gasoline	2016	100	HP	--	814	--	--	--	--	--
27	6532	Aircraft Tug	Diesel	2017	100	HP	Tier 4 Final	336	--	--	--	--	--
28	1920	Passenger Stand	Gasoline	2000	107	HP	--	122	--	--	--	--	--
29	1718	Other GSE	Gasoline	2000	230	HP	--	495	--	--	--	--	--
30	3629	Other GSE	Gasoline	2001	190	HP	--	495	--	--	--	--	--
31	3045	Lavatory Cart	Gasoline	2021	4	HP	--	183	--	--	--	--	--
32	3484	Lavatory Cart	Gasoline	2021	4	HP	--	183	--	--	--	--	--
33	11021	Baggage Tug	Gasoline	2025	86	HP	--	118	--	--	--	--	--
34	11022	Baggage Tug	Gasoline	2025	86	HP	--	118	--	--	--	--	--
35	18897	Aircraft Tug	Diesel	1999	87	HP	Tier 1	336	Yes - Sold/Retired	12/31/2025	--	--	--
36	64573	Air Start Unit	Diesel	2017	380	HP	Tier 4 Final	73	--	--	--	--	--
37	LD576	Belt Loader	Diesel	1993	45	HP	Tier 0	523	--	--	--	--	--
38	LD669	Belt Loader	Diesel	2000	45	HP	Tier 1	295	Yes - Sold/Retired	7/25/2025	--	--	--
39	LG200	Belt Loader	Gasoline	2012	93	HP	--	730	--	--	--	--	--
40	LG248	Belt Loader	Gasoline	1997	93	HP	--	365	--	--	--	--	--
41	PS262	Aircraft Tug	Diesel	1999	87	HP	Tier 1	336	Yes - Sold/Retired	12/31/2025	--	--	--
42	PS340	Aircraft Tug	Diesel	1999	87	HP	Tier 1	336	Yes - Sold/Retired	12/31/2025	--	--	--
43	SM053	Lavatory Cart	Gasoline	2006	5.5	HP	--	183	--	--	--	--	--
44	SN306	Passenger Stand	Gasoline	2015	7.9	HP	--	38	--	--	--	--	--
45	TM302	Cargo Tractor	Gasoline	1990	93	HP	--	125	Yes - Sold/Retired	7/23/2025	--	--	--
46	TR280	Cargo Tractor	Diesel	2007	65	HP	Tier 2	517	Yes - Relocated	9/25/2025	Outside of SCAQMD	9/25/2025	--
47	TR288	Cargo Tractor	Diesel	2007	65	HP	Tier 2	517	Yes - Relocated	9/25/2025	Outside of SCAQMD	9/25/2025	--
48	TT126	Cargo Tractor	Gasoline	1998	115	HP	--	102	Yes - Sold/Retired	7/23/2025	--	--	--
49	TY850	Cargo Tractor	Gasoline	2001	95	HP	--	102	Yes - Sold/Retired	7/23/2025	--	--	--
50	TY874	Cargo Tractor	Gasoline	1989	107	HP	--	125	Yes - Sold/Retired	7/23/2025	--	--	--
51	TY876	Cargo Tractor	Gasoline	1991	93	HP	--	125	Yes - Sold/Retired	7/23/2025	--	--	--
52	FE495	Service Truck	Gasoline	2015	275	HP	--	840	--	--	--	--	--

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations												
	III.B.1								III.B.2				
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹
53	SM049	Lavatory Cart	Electric	2003			--	--	--	--	--	--	--
54	LG293	Belt Loader	Gasoline	2012	71.89219422	HP	--	340	--	--	--	--	--
55	TY1391	Cargo Tractor	Gasoline	2024	57.79805206	HP	--	600	--	--	--	--	--
56	TY1392	Cargo Tractor	Gasoline	2024	57.79805206	HP	--	600	--	--	--	--	--
57	TY1393	Cargo Tractor	Gasoline	2024	57.79805206	HP	--	600	--	--	--	--	--
58	TY1394	Cargo Tractor	Gasoline	2024	57.79805206	HP	--	600	--	--	--	--	--
59	TY1395	Cargo Tractor	Gasoline	2024	57.79805206	HP	--	600	--	--	--	--	--
60	TY1396	Cargo Tractor	Gasoline	2024	57.79805206	HP	--	600	--	--	--	--	--
61	TY1397	Cargo Tractor	Gasoline	2024	57.79805206	HP	--	600	--	--	--	--	--
62	TY1398	Cargo Tractor	Gasoline	2024	57.79805206	HP	--	600	--	--	--	--	--
63	SM086	Lavatory Cart	Gasoline	2023	1	HP	--	42	--	--	--	--	--
64	PT125	Aircraft Tug	Diesel	2015	74	HP	Tier 4 Final	29	--	--	--	--	--
65	PT124	Aircraft Tug	Diesel	2015	74	HP	Tier 4 Final	2	--	--	--	--	--
66	22550	Aircraft Tug	Diesel	2015	74	HP	Tier 4 Final	2	--	--	--	--	--
67	FG 25ST11	Forklift	LPG	2008	34	HP	--	64	Yes - Sold/Retired	2/28/2025	--	--	--
68	6662 (RENTAL)	Lift	ELECTRIC	2023	6.973314868	HP	--	--	Yes - Sold/Retired	3/11/2025	--	--	--
69	2	Vehicle	GASOLINE	2022	162	HP	--	--	Yes - Relocated	7/7/2025	Outside of SCAQMD	7/7/2025	--
70	1	Vehicle	GASOLINE	2022	162	HP	--	--	Yes - Relocated	7/7/2025	Outside of SCAQMD	7/7/2025	--
71	56	Vehicle	GASOLINE	2005	300	HP	--	--	--	--	--	--	--
72	1932ME	Lift	ELECTRIC	2024	2.950248597	HP	--	--	Yes - Sold/Retired	6/20/2025	--	--	--
73	99	Vehicle	GASOLINE	2014	283	HP	--	--	--	--	--	--	--
74	27378	Aircraft Tug	Diesel	2002	140	HP	Tier 1	188	--	--	--	--	--
75	48318	Lavatory Truck	Gasoline	2000	300	HP	--	0	Yes - Relocated	3/26/2025	Outside of SCAQMD	3/26/2025	--
76	57081	Belt Loader	Electric	2006	10.5	HP	--	514	--	--	--	--	--
77	57082	Belt Loader	Electric	2006	10.5	HP	--	960	--	--	--	--	--
78	57083	Belt Loader	Electric	2006	10.5	HP	--	813	--	--	--	--	--
79	750020	Passenger Stand	Gasoline	2001	9	HP	--	0	--	--	--	--	--
80	770047	Baggage Tug	Electric	2005	60	HP	--	168	--	--	--	--	--
81	770315	Baggage Tug	Electric	2010	40	HP	--	268	--	--	--	--	--
82	770317	Baggage Tug	Electric	2010	40	HP	--	324	--	--	--	--	--
83	770318	Baggage Tug	Electric	2010	40	HP	--	151	--	--	--	--	--
84	770324	Baggage Tug	Electric	2011	40	HP	--	236	--	--	--	--	--
85	770325	Baggage Tug	Electric	2011	40	HP	--	291	--	--	--	--	--
86	770326	Baggage Tug	Electric	2011	40	HP	--	299	--	--	--	--	--
87	770328	Baggage Tug	Electric	2011	25	HP	--	288	--	--	--	--	--
88	780048	Passenger Stand	Gasoline	2022	61	HP	--	84	--	--	--	--	--
89	271007	Aircraft Tug	Diesel	2017	74	HP	Tier 4 Final	400	--	--	--	--	--
90	14643	Air Start Unit	Diesel	2023	513	HP	Tier 4 Final	45	--	--	--	--	--
91	570193	Belt Loader	Electric	2021	10.5	HP	--	348	--	--	--	--	--
92	570495	Belt Loader	Electric	2021	10.5	HP	--	322	--	--	--	--	--
93	900959	Ground Power Unit	Diesel	2017	155	HP	Tier 4 Final	302	--	--	--	--	--
94	22851	Air Start Unit	Diesel	2009	630	HP	Tier 3	13	--	--	--	--	--
95	23194	Cargo Tractor	LPG	2009	75	HP	--	19	Yes - Relocated	2/10/2025	Outside of SCAQMD	2/10/2025	--
96	23846	Lift	Gasoline	2009	23.5	HP	--	424	--	--	--	--	--
97	28407	Other GSE	Gasoline	2011	13	HP	--	183	--	--	--	--	--
98	33036	Cargo Loader	Diesel	2010	110	HP	Tier 3	487	--	--	--	--	--
99	45739	Cargo Loader	Diesel	2018	74	HP	Tier 4 Final	487	--	--	--	--	--
100	47377	Other GSE	Gasoline	2012	51	HP	--	183	--	--	--	--	--
101	47508	Other GSE	Gasoline	2012	51	HP	--	183	--	--	--	--	--
102	48138	Cargo Loader	Diesel	2019	130	HP	Tier 4 Final	487	--	--	--	--	--
103	48153	Cargo Loader	Diesel	2019	74	HP	Tier 4 Final	487	--	--	--	--	--
104	69592	Cargo Tractor	Gasoline	2008	75	HP	--	1,334	--	--	--	--	--

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations												
	III.B.1								III.B.2				
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹
105	69593	Cargo Tractor	Gasoline	2008	75	HP	--	1,334	--	--	--	--	--
106	69594	Cargo Tractor	Gasoline	2008	75	HP	--	1,334	--	--	--	--	--
107	69595	Cargo Tractor	Gasoline	2008	75	HP	--	1,334	--	--	--	--	--
108	500955	Belt Loader	Gasoline	2013	12.5	HP	--	791	--	--	--	--	--
109	500963	Belt Loader	Gasoline	2013	12.5	HP	--	791	--	--	--	--	--
110	502544	Lift	Electric	2014	24	HP	--	--	--	--	--	--	--
111	502925	Forklift	Electric	2014	36	HP	--	--	--	--	--	--	--
112	506513	Cargo Tractor	Electric	2015	80	HP	--	--	--	--	--	--	--
113	506514	Cargo Tractor	Electric	2015	80	HP	--	--	--	--	--	--	--
114	506515	Cargo Tractor	Electric	2015	80	HP	--	--	--	--	--	--	--
115	506516	Cargo Tractor	Electric	2015	80	HP	--	--	--	--	--	--	--
116	512014	Other GSE	Gasoline	2017	13	HP	--	183	--	--	--	--	--
117	512015	Other GSE	Gasoline	2017	13	HP	--	183	--	--	--	--	--
118	512639	Cargo Loader	Diesel	2017	74	HP	Tier 4 Final	487	--	--	--	--	--
119	518553	Ground Power Unit	Diesel	2018	155	HP	Tier 4 Final	803	--	--	--	--	--
120	518713	Cargo Loader	Diesel	2019	74	HP	Tier 4 Final	487	--	--	--	--	--
121	518715	Cargo Loader	Diesel	2019	74	HP	Tier 4 Final	487	--	--	--	--	--
122	518716	Cargo Loader	Diesel	2019	74	HP	Tier 4 Final	487	--	--	--	--	--
123	518838	Cargo Tractor	Gasoline	2019	86	HP	--	1,350	--	--	--	--	--
124	518839	Cargo Tractor	Gasoline	2019	86	HP	--	1,350	--	--	--	--	--
125	518840	Cargo Tractor	Gasoline	2019	86	HP	--	1,350	--	--	--	--	--
126	518841	Cargo Tractor	Gasoline	2019	86	HP	--	1,350	--	--	--	--	--
127	518842	Cargo Tractor	Gasoline	2019	86	HP	--	1,350	--	--	--	--	--
128	518843	Cargo Tractor	Gasoline	2019	86	HP	--	1,350	--	--	--	--	--
129	518889	Cargo Tractor	Gasoline	2019	61	HP	--	1,350	--	--	--	--	--
130	518893	Cargo Tractor	Gasoline	2019	61	HP	--	1,350	--	--	--	--	--
131	518894	Cargo Tractor	Gasoline	2019	61	HP	--	1,350	--	--	--	--	--
132	518896	Cargo Tractor	Gasoline	2019	61	HP	--	1,350	--	--	--	--	--
133	518903	Cargo Tractor	Gasoline	2019	61	HP	--	1,350	--	--	--	--	--
134	518908	Cargo Tractor	Gasoline	2019	61	HP	--	1,350	--	--	--	--	--
135	518909	Cargo Tractor	Gasoline	2019	61	HP	--	1,350	--	--	--	--	--
136	518913	Cargo Tractor	Gasoline	2019	61	HP	--	1,350	--	--	--	--	--
137	518914	Cargo Tractor	Gasoline	2019	61	HP	--	1,350	--	--	--	--	--
138	520811	Belt Loader	Gasoline	2019	19	HP	--	811	--	--	--	--	--
139	522891	Ground Power Unit	Diesel	2021	155	HP	Tier 4 Final	793	--	--	--	--	--
140	522892	Ground Power Unit	Diesel	2021	155	HP	Tier 4 Final	793	--	--	--	--	--
141	525515	Other GSE	Electric	2022	14.9	HP	--	--	--	--	--	--	--
142	525516	Other GSE	Electric	2022	14.9	HP	--	--	--	--	--	--	--
143	525517	Other GSE	Electric	2022	14.9	HP	--	--	--	--	--	--	--
144	525518	Other GSE	Electric	2022	14.9	HP	--	--	--	--	--	--	--
145	525976	Ground Power Unit	Diesel	2022	154	HP	Tier 4 Final	794	--	--	--	--	--
146	525980	Ground Power Unit	Diesel	2022	154	HP	Tier 4 Final	794	--	--	--	--	--
147	504698	Air Conditioner	Diesel	2011	130	HP	Tier 3	495	--	--	--	--	--
148	63489	Air Conditioner	Diesel	2006	130	HP	Tier 2	495	--	--	--	--	--
149	25280	Air Start Unit	Diesel	2011	679	HP	Tier 4 Interim	78	--	--	--	--	--
150	41260	Aircraft Tug	Diesel	2015	300	HP	Tier 4 Final	336	--	--	--	--	--
151	22844	Aircraft Tug	Diesel	2008	200	HP	Tier 3	286	Yes - Sold/Retired	11/7/2025	--	--	--
152	507153	Aircraft Tug	Diesel	2015	290	HP	Tier 4 Final	336	--	--	--	--	--
153	22856	Aircraft Tug	Diesel	2008	200	HP	Tier 3	336	--	--	--	--	--
154	57089	Belt Loader	Electric	2004	80	HP	--	--	--	--	--	--	--
155	57090	Belt Loader	Electric	2004	80	HP	--	--	--	--	--	--	--
156	57091	Belt Loader	Electric	2004	80	HP	--	--	--	--	--	--	--

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations												
	III.B.1								III.B.2				
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹
157	57092	Belt Loader	Electric	2004	80	HP	--	--	--	--	--	--	--
158	57095	Belt Loader	Electric	2004	80	HP	--	--	--	--	--	--	--
159	507145	Belt Loader	Gasoline	2015	80.1	HP	--	801	--	--	--	--	--
160	57096	Belt Loader	Electric	2004	80	HP	--	--	Yes - Sold/Retired	7/23/2025	--	--	--
161	507146	Belt Loader	Gasoline	2015	80.1	HP	--	801	--	--	--	--	--
162	40926	Cargo Loader	Diesel	2011	110	HP	Tier 3	487	--	--	--	--	--
163	52236	Cargo Loader	Diesel	2011	160	HP	Tier 3	487	--	--	--	--	--
164	508187	Cargo Loader	Diesel	2011	160	HP	Tier 3	487	--	--	--	--	--
165	40962	Cargo Loader	Diesel	2011	110	HP	Tier 3	487	--	--	--	--	--
166	40991	Cargo Loader	Diesel	2011	110	HP	Tier 3	487	--	--	--	--	--
167	44109	Cargo Loader	Diesel	2011	110	HP	Tier 3	487	--	--	--	--	--
168	45732	Cargo Loader	Diesel	2011	110	HP	Tier 3	487	--	--	--	--	--
169	514160	Cargo Loader	Diesel	2018	160	HP	Tier 4 Final	487	--	--	--	--	--
170	55575	Cargo Loader	Diesel	2011	110	HP	Tier 3	487	--	--	--	--	--
171	46601	Cargo Loader	Diesel	2013	110	HP	Tier 4 Interim	487	--	--	--	--	--
172	69587	Cargo Tractor	Gasoline	2008	75	HP	--	1,334	--	--	--	--	--
173	69588	Cargo Tractor	Gasoline	2008	75	HP	--	1,334	--	--	--	--	--
174	506404	Cargo Tractor	Gasoline	2015	86	HP	--	1,354	--	--	--	--	--
175	25116	Cargo Tractor	Gasoline	2010	75	HP	--	1,354	--	--	--	--	--
176	69589	Cargo Tractor	Gasoline	2008	75	HP	--	1,334	--	--	--	--	--
177	23238	Cargo Tractor	Gasoline	2010	80	HP	--	1,354	--	--	--	--	--
178	506405	Cargo Tractor	Gasoline	2015	86	HP	--	1,354	--	--	--	--	--
179	25117	Cargo Tractor	Gasoline	2010	75	HP	--	1,354	--	--	--	--	--
180	507526	Cargo Tractor	Gasoline	2016	86	HP	--	1,354	--	--	--	--	--
181	25118	Cargo Tractor	Gasoline	2010	75	HP	--	1,354	--	--	--	--	--
182	23239	Cargo Tractor	Gasoline	2010	80	HP	--	1,354	--	--	--	--	--
183	507527	Cargo Tractor	Gasoline	2016	86	HP	--	1,354	--	--	--	--	--
184	512137	Cargo Tractor	Gasoline	2017	86	HP	--	1,353	--	--	--	--	--
185	507528	Cargo Tractor	Gasoline	2016	86	HP	--	1,354	--	--	--	--	--
186	23240	Cargo Tractor	Gasoline	2010	80	HP	--	1,354	--	--	--	--	--
187	506406	Cargo Tractor	Gasoline	2015	86	HP	--	1,354	--	--	--	--	--
188	69590	Cargo Tractor	Gasoline	2008	75	HP	--	1,334	--	--	--	--	--
189	512138	Cargo Tractor	Gasoline	2017	86	HP	--	1,353	--	--	--	--	--
190	69591	Cargo Tractor	Gasoline	2008	75	HP	--	1,334	--	--	--	--	--
191	23241	Cargo Tractor	Gasoline	2010	80	HP	--	1,354	--	--	--	--	--
192	57117	Cargo Tractor	Gasoline	2004	65	HP	--	1,217	--	--	--	--	--
193	23202	Cargo Tractor	Gasoline	2009	75	HP	--	1,345	--	--	--	--	--
194	507529	Cargo Tractor	Gasoline	2016	86	HP	--	1,354	--	--	--	--	--
195	23243	Cargo Tractor	Gasoline	2010	80	HP	--	1,354	--	--	--	--	--
196	506407	Cargo Tractor	Gasoline	2015	86	HP	--	1,354	--	--	--	--	--
197	509689	Cargo Tractor	Gasoline	2016	86	HP	--	1,354	--	--	--	--	--
198	23244	Cargo Tractor	Gasoline	2010	80	HP	--	1,354	--	--	--	--	--
199	23204	Cargo Tractor	Gasoline	2009	75	HP	--	1,345	--	--	--	--	--
200	25293	Cargo Tractor	Gasoline	2011	79	HP	--	1,348	--	--	--	--	--
201	509690	Cargo Tractor	Gasoline	2016	86	HP	--	1,354	--	--	--	--	--
202	23245	Cargo Tractor	Gasoline	2010	80	HP	--	1,354	--	--	--	--	--
203	506408	Cargo Tractor	Gasoline	2015	86	HP	--	1,354	--	--	--	--	--
204	509691	Cargo Tractor	Gasoline	2016	86	HP	--	1,354	--	--	--	--	--
205	506412	Cargo Tractor	Gasoline	2015	86	HP	--	1,354	--	--	--	--	--
206	23246	Cargo Tractor	Gasoline	2010	80	HP	--	1,354	--	--	--	--	--
207	68115	Forklift	LPG	2007	57	HP	--	223	--	--	--	--	--
208	507425	Ground Power Unit	Diesel	2016	155	HP	Tier 4 Final	548	--	--	--	--	--

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations												
	III.B.1								III.B.2				
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹
209	63363	Service Truck	Diesel	2006	200	HP	Tier 3	832	--	--	--	--	--
210	602632	Other GSE	Gasoline	2015	88	HP	--	183	--	--	--	--	--
211	507151	Service Truck	Gasoline	2016	362	HP	--	839	--	--	--	--	--
212	507152	Service Truck	Gasoline	2016	293	HP	--	839	--	--	--	--	--
213	504622	Service Truck	Gasoline	2014	375	HP	--	842	--	--	--	--	--
214	53697	Aircraft Tug	Diesel	2021	300	HP	Tier 4 Final	336	--	--	--	--	--
215	525616	Belt Loader	Gasoline	2022	80.1	HP	--	813	--	--	--	--	--
216	56569	Other GSE	Diesel	2004	65	HP	Tier 2	495	--	--	--	--	--
217	523098	Other GSE	Diesel	2021	74.2	HP	Tier 4 Final	495	--	--	--	--	--
218	12108	Cargo Loader	Diesel	2021	130	HP	Tier 4 Final	487	--	--	--	--	--
219	62259	Cargo Loader	Diesel	2021	130	HP	Tier 4 Final	487	--	--	--	--	--
220	525150	Cargo Loader	Diesel	2019	23.9	HP	Tier 4 Final	487	--	--	--	--	--
221	525152	Cargo Loader	Diesel	2019	23.9	HP	Tier 4 Final	223	Yes - Sold/Retired	6/16/2025	--	--	--
222	526247	Cargo Loader	Diesel	2023	9	HP	Tier 4 Final	487	--	--	--	--	--
223	69563	Cargo Tractor	Gasoline	2008	75	HP	--	1,334	--	--	--	--	--
224	69566	Cargo Tractor	Gasoline	2008	75	HP	--	296	Yes - Sold/Retired	3/22/2025	--	--	--
225	69567	Cargo Tractor	Gasoline	2008	75	HP	--	841	Yes - Sold/Retired	8/18/2025	--	--	--
226	69568	Cargo Tractor	Gasoline	2008	75	HP	--	702	Yes - Sold/Retired	7/11/2025	--	--	--
227	69569	Cargo Tractor	Gasoline	2008	75	HP	--	841	Yes - Sold/Retired	8/18/2025	--	--	--
228	524815	Forklift	LPG	2022	59	HP	--	725	--	--	--	--	--
229	524816	Forklift	LPG	2022	59	HP	--	725	--	--	--	--	--
230	524823	Other GSE	Diesel	2020	13.6	HP	Tier 4 Final	495	--	--	--	--	--
231	524824	Other GSE	Diesel	2020	13.6	HP	Tier 4 Final	495	--	--	--	--	--
232	531998	Forklift	Propane	2023	85	HP	--	399	--	--	--	--	--
233	517072	Other GSE	Electric	2018	72	V	--	--	Yes - Relocated	8/29/2025	Outside of SCAQMD	8/29/2025	--
234	55245	Cargo Tractor	Gasoline	2002	124	HP	--	122	--	--	--	--	--
235	529351	Cargo Loader	Diesel	2023	160	HP	Tier 4 Final	487	--	--	--	--	--
236	507147	Air Start Unit	Diesel	2015	550	HP	Tier 4 Final	84	--	--	--	--	--
237	504411	Forklift	Gasoline	2014	62	HP	--	730	--	--	--	--	--
238	528949	Golf Cart	Gasoline	2023	14	HP	--	155	--	--	--	--	--
239	532753	Other GSE	Gasoline	2022	20.1	HP	--	183	--	--	--	--	--
240	532764	Belt Loader	Electric	2025	30.84350806	HP	--	--	--	--	--	--	--
241	532765	Belt Loader	Electric	2025	30.84350806	HP	--	--	--	--	--	--	--
242	532766	Belt Loader	Electric	2025	30.84350806	HP	--	--	--	--	--	--	--
243	532927	Aircraft Tug	Diesel	2024	160	HP	Tier 4 Final	247	--	--	--	--	--
244	JCT071	Service Truck	Gasoline	1998	145	HP	--	745	Yes - Sold/Retired	12/10/2025	--	--	--
245	JCV194	Lift	Gasoline	2017	350	HP	--	424	--	--	--	--	--
246	A003491	Cargo Loader	Diesel	2018	100	HP	Tier 4 Final	0	--	--	--	--	--
247	A009476	Other GSE	Diesel	2019	98	HP	Tier 4 Final	2,000	--	--	--	--	--
248	A013302	Forklift	LPG	2005	62	HP	--	15	--	--	--	--	--
249	A017195	Cargo Loader	Diesel	2007	100	HP	Tier 3	99	Yes - Sold/Retired	3/15/2025	--	--	--
250	A017196	Cargo Loader	Diesel	2012	100	HP	Tier 4 Interim	99	Yes - Sold/Retired	3/15/2025	--	--	--
251	A021342	Cargo Loader	Diesel	2011	100	HP	Tier 3	3	--	--	--	--	--
252	A025866	Other GSE	Diesel	2014	225	HP	Tier 4 Final	1,386	--	--	--	--	--
253	A026991	Other GSE	Diesel	2010	240	HP	Tier 3	1,886	--	--	--	--	--
254	A027492	Other GSE	Diesel	2016	225	HP	Tier 4 Final	737	--	--	--	--	--
255	A027693	Belt Loader	Diesel	2014	64	HP	Tier 4 Final	0	--	--	--	--	--
256	A027731	Aircraft Tug	Diesel	2013	74	HP	Tier 4 Final	0	--	--	--	--	--
257	A028333	Other GSE	Gasoline	2019	362	HP	--	4,044	--	--	--	--	--
258	A028384	Other GSE	Diesel	2019	225	HP	Tier 4 Final	810	--	--	--	--	--
259	A028411	Other GSE	Diesel	2018	260	HP	Tier 4 Final	2,306	--	--	--	--	--
260	A028412	Other GSE	Diesel	2019	260	HP	Tier 4 Final	2,495	--	--	--	--	--

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations												
	III.B.1								III.B.2				
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹
261	A028486	Other GSE	Diesel	2019	260	HP	Tier 4 Final	2,471	--	--	--	--	--
262	A028727	Baggage Tug	Gasoline	2019	61	HP	--	169	--	--	--	--	--
263	A028728	Baggage Tug	Gasoline	2019	61	HP	--	178	--	--	--	--	--
264	A028729	Baggage Tug	Gasoline	2019	61	HP	--	88	--	--	--	--	--
265	A028733	Belt Loader	Diesel	2018	74	HP	Tier 4 Final	188	--	--	--	--	--
266	A029107	Ground Power Unit	Diesel	2016	155	HP	Tier 4 Final	0	--	--	--	--	--
267	A029144	Cargo Loader	Diesel	2019	136	HP	Tier 4 Final	0	--	--	--	--	--
268	A029156	Other GSE	Gasoline	2020	350	HP	--	2,949	--	--	--	--	--
269	A029297	Ground Power Unit	Diesel	2018	155	HP	Tier 4 Final	5	--	--	--	--	--
270	A029298	Aircraft Tug	Diesel	2019	74	HP	Tier 4 Final	75	--	--	--	--	--
271	A029299	Aircraft Tug	Diesel	2019	173	HP	Tier 4 Final	5	--	--	--	--	--
272	A029325	Baggage Tug	Electric	2021	27.03500533	HP	--	0	--	--	--	--	--
273	A029326	Baggage Tug	Electric	2021	27.03500533	HP	--	35	--	--	--	--	--
274	A029393	Baggage Tug	Electric	2021	27.03500533	HP	--	20	--	--	--	--	--
275	A029394	Baggage Tug	Electric	2021	27.03500533	HP	--	30	--	--	--	--	--
276	A029725	Other GSE	Diesel	2018	360	HP	Tier 4 Final	3,810	--	--	--	--	--
277	A029726	Other GSE	Diesel	2018	225	HP	Tier 4 Final	2,609	--	--	--	--	--
278	A029872	Lavatory Truck	Gasoline	2018	360	HP	--	243	--	--	--	--	--
279	T-36	Aircraft Tug	Diesel	2009	268	HP	Tier 3	0	--	--	--	--	--
280	A029475	Belt Loader	Electric	2023	80	V	--	58	--	--	--	--	--
281	A030955	Other GSE	Diesel	2023	225	HP	Tier 4 Final	3,966	--	--	--	--	--
282	A027287	Other GSE	Diesel	2016	240	HP	Tier 4 Final	3,980	--	--	--	--	--
283	A029646	Other GSE	Diesel	2016	240	HP	Tier 4 Final	495	--	--	--	--	--
284	A031829	Cargo Loader	Diesel	2023	100	HP	Tier 4 Final	3	--	--	--	--	--
285	A031038	Cargo Loader	Diesel	2020	100	HP	Tier 4 Final	22	--	--	--	--	--
286	A030394	Belt Loader	Electric	2023	80	V	--	12	--	--	--	--	--
287	PA61171	Forklift	Electric	2023	80	V	--	2	--	--	--	--	--
288	A032418	Other GSE	Diesel	2024	225	HP	Tier 4 Final	81	Yes - Sold/Retired	3/1/2025	--	--	--
289	A031830	Aircraft Tug	Diesel	2022	173	HP	Tier 4 Final	3	--	--	--	--	--
290	A029296	Ground Power Unit	Diesel	2020	155	HP	Tier 4 Final	11	--	--	--	--	--
291	A029295	Ground Power Unit	Diesel	2023	155	HP	Tier 4 Final	100	--	--	--	--	--
292	EQ98657	Forklift	Propane	2023	56	HP	--	5	--	--	--	--	--
293	A030492	Baggage Tug	Electric	2021	27.03500533	HP	--	0	--	--	--	--	--
294	AS01	Air Start Unit	Diesel	2018	174	HP	Tier 4 Final	68	--	--	--	--	--
295	BL03	Belt Loader	Gasoline	2017	75	HP	--	816	--	--	--	--	--
296	BL04	Belt Loader	Gasoline	2018	61	HP	--	808	--	--	--	--	--
297	BL05	Belt Loader	Gasoline	2019	64	HP	--	811	--	--	--	--	--
298	BL06	Belt Loader	Gasoline	2018	61	HP	--	808	--	--	--	--	--
299	BL07	Belt Loader	Gasoline	2015	75	HP	--	801	--	--	--	--	--
300	BL08	Belt Loader	Gasoline	2015	75	HP	--	801	--	--	--	--	--
301	CL001	Cargo Loader	Diesel	2019	160	HP	Tier 4 Final	487	--	--	--	--	--
302	CL003	Cargo Loader	Diesel	2019	160	HP	Tier 4 Final	487	--	--	--	--	--
303	CL0100	Cargo Loader	Diesel	2016	130	HP	Tier 4 Final	487	--	--	--	--	--
304	CL0704	Cargo Loader	Diesel	2019	130	HP	Tier 4 Final	487	--	--	--	--	--
305	CL0705	Cargo Loader	Diesel	2019	130	HP	Tier 4 Final	487	--	--	--	--	--
306	CL0745	Cargo Loader	Diesel	2016	130	HP	Tier 4 Final	487	--	--	--	--	--
307	CL1642	Cargo Loader	Diesel	2016	130	HP	Tier 4 Final	487	--	--	--	--	--
308	GP02	Ground Power Unit	Diesel	1999	208	HP	Tier 1	1,095	--	--	--	--	--
309	GP05	Ground Power Unit	Diesel	1994	200	HP	Tier 0	1,095	--	--	--	--	--
310	MTS-4	Cargo Tractor	Gasoline	2016	61	HP	--	1,354	--	--	--	--	--
311	MTS-5	Cargo Tractor	Gasoline	2018	61	HP	--	1,350	--	--	--	--	--
312	MTS-6	Cargo Tractor	Gasoline	2018	61	HP	--	1,350	--	--	--	--	--

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations												
	III.B.1								III.B.2				
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹
313	MTS-7	Cargo Tractor	LPG	2018	175	HP	--	159	--	--	--	--	--
314	MTS-8	Cargo Tractor	Gasoline	2018	61	HP	--	1,350	--	--	--	--	--
315	MTS-17	Cargo Tractor	Gasoline	2017	61	HP	--	1,353	--	--	--	--	--
316	MTS-19	Cargo Tractor	Gasoline	2017	61	HP	--	1,353	--	--	--	--	--
317	MTS-23	Cargo Tractor	LPG	2012	175	HP	--	154	--	--	--	--	--
318	MTS-24	Cargo Tractor	Gasoline	2017	61	HP	--	1,353	--	--	--	--	--
319	MTS-25	Cargo Tractor	Gasoline	2017	61	HP	--	1,353	--	--	--	--	--
320	MTS-26	Cargo Tractor	Gasoline	2018	61	HP	--	1,350	--	--	--	--	--
321	MTS-27	Cargo Tractor	Gasoline	2018	61	HP	--	1,350	--	--	--	--	--
322	MTS-28	Cargo Tractor	Gasoline	2018	61	HP	--	1,350	--	--	--	--	--
323	MTS-29	Cargo Tractor	Gasoline	2018	61	HP	--	1,350	--	--	--	--	--
324	MTS-30	Cargo Tractor	Gasoline	2018	61	HP	--	1,350	--	--	--	--	--
325	MTS-32	Cargo Tractor	Gasoline	2019	64	HP	--	1,350	--	--	--	--	--
326	MTS-33	Cargo Tractor	Gasoline	2019	64	HP	--	1,350	--	--	--	--	--
327	MTS-34	Cargo Tractor	Gasoline	2019	64	HP	--	1,350	--	--	--	--	--
328	MTS-35	Cargo Tractor	Gasoline	2019	64	HP	--	1,350	--	--	--	--	--
329	MTS-36	Cargo Tractor	Gasoline	2019	64	HP	--	1,350	--	--	--	--	--
330	MTS-37	Cargo Tractor	Gasoline	2015	75	HP	--	1,354	--	--	--	--	--
331	MTS-41	Cargo Tractor	Gasoline	2017	75	HP	--	1,353	--	--	--	--	--
332	MTS-42	Cargo Tractor	Gasoline	2017	61	HP	--	1,353	--	--	--	--	--
333	PB02	Aircraft Tug	Diesel	2018	173	HP	Tier 4 Final	336	--	--	--	--	--
334	YG-01	Other GSE	LPG	2010	300	HP	--	1,014	--	--	--	--	--
335	YG-02	Other GSE	LPG	2010	300	HP	--	1,014	--	--	--	--	--
336	YG-03	Other GSE	LPG	2010	300	HP	--	1,014	--	--	--	--	--
337	YG-04	Other GSE	Diesel	2010	300	HP	Tier 3	495	--	--	--	--	--
338	Y1821	Other GSE	Diesel	2020	300	HP	Tier 4 Final	495	--	--	--	--	--
339	Y1829	Other GSE	Diesel	2020	300	HP	Tier 4 Final	495	--	--	--	--	--
340	AS-822	Air Start Unit	Diesel	2022	200	HP	Tier 4 Final	77	--	--	--	--	--
341	2831	Cargo Loader	Diesel	2023	50	HP	Tier 4 Final	487	--	--	--	--	--
342	CL007	Cargo Loader	Diesel	2019	130	HP	Tier 4 Final	487	--	--	--	--	--
343	GP194	Ground Power Unit	Diesel	2023	200	HP	Tier 4 Final	792	--	--	--	--	--
344	GP898	Ground Power Unit	Diesel	2023	200	HP	Tier 4 Final	792	--	--	--	--	--
345	GP11270	Ground Power Unit	Diesel	2014	200	HP	Tier 4 Final	548	--	--	--	--	--
346	MTS-9	Cargo Tractor	Diesel	2017	61	HP	Tier 4 Final	703	--	--	--	--	--
347	PB01-2	Aircraft Tug	Diesel	2010	300	HP	Tier 3	336	--	--	--	--	--
348	PB04	Aircraft Tug	Diesel	1988	200	HP	Tier 0	6	Yes - Sold/Retired	1/9/2025	--	--	--
349	MXT01	Service Truck	Gasoline	2001	340	HP	--	--	--	--	--	--	--
350	CV-02	Service Truck	Gasoline	2003	175	HP	--	--	--	--	--	--	--
351	PWT-01	Water Truck	Diesel	2000	200	HP	Tier 1	365	--	--	--	--	--
352	LV-01	Lavatory Truck	Diesel	2000	200	HP	Tier 1	365	--	--	--	--	--
353	DST-01	Passenger Stand	Gasoline	1984	160	HP	--	38	--	--	--	--	--
354	G13	Golf Cart	Electric	2010	26.82044179	HP	--	--	--	--	--	--	--
355	G14	Golf Cart	Electric	2010	26.82044179	HP	--	--	--	--	--	--	--
356	G15	Golf Cart	Electric	2010	26.82044179	HP	--	--	--	--	--	--	--
357	AC9003	Air Conditioner	Diesel	1998	325	HP	Tier 1	223	--	--	--	--	--
358	AC8974	Air Conditioner	Diesel	1998	325	HP	Tier 1	223	--	--	--	--	--
359	CL2205	Cargo Loader	Diesel	2023	50	HP	Tier 4 Final	487	--	--	--	--	--
360	PB3015	Aircraft Tug	Diesel	2023	200	HP	Tier 4 Final	336	--	--	--	--	--
361	G01	Golf Cart	Gasoline	2017	8.9	HP	--	183	--	--	--	--	--
362	GC2	Golf Cart	Electric	2010	26.8	HP	--	--	--	--	--	--	--
363	CL1008	Cargo Loader	Diesel	2019	74	HP	Tier 4 Final	393	--	--	--	--	--
364	CL1009	Cargo Loader	Diesel	2019	74	HP	Tier 4 Final	393	--	--	--	--	--

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations												
	III.B.1								III.B.2				
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹
365	CL1010	Cargo Loader	Diesel	2019	74	HP	Tier 4 Final	393	--	--	--	--	--
366	4934	Cargo Tractor	Gasoline	2024	86.22772036	HP	--	834	--	--	--	--	--
367	4935	Cargo Tractor	Gasoline	2025	86.22772036	HP	--	833	--	--	--	--	--
368	4936	Cargo Tractor	Gasoline	2024	86.22772036	HP	--	834	--	--	--	--	--
369	4937	Cargo Tractor	Gasoline	2025	86.22772036	HP	--	833	--	--	--	--	--
370	GCR1	Golf Cart	Electric	2010	26.82044179	HP	--	--	--	--	--	--	--
371	MTS 11	Cargo Tractor	Gasoline	2016	61	HP	--	137	--	--	--	--	--
372	6084	Cargo Tractor	Gasoline	2025	65	HP	--	137	--	--	--	--	--
373	6091	Cargo Tractor	Gasoline	2025	65	HP	--	137	--	--	--	--	--
374	6085	Cargo Tractor	Gasoline	2025	65	HP	--	137	--	--	--	--	--
375	YG2001	Other GSE	Diesel	2020	300	HP	Tier 4 Final	19	--	--	--	--	--
376	YG1936	Other GSE	Diesel	2020	300	HP	Tier 4 Final	19	--	--	--	--	--
377	YG1812	Other GSE	Diesel	2020	300	HP	Tier 4 Final	19	--	--	--	--	--
378	CL15783	Cargo Loader	Diesel	2023	160	HP	Tier 4 Final	19	--	--	--	--	--
379	6075	Cargo Tractor	Gasoline	2025	65	HP	--	137	--	--	--	--	--
380	LAE07	Service Truck	Gasoline	2007	335	HP	--	852	--	--	--	--	--
381	LAE06	Service Truck	Gasoline	2005	300	HP	--	482	--	--	--	--	--
382	772	Aircraft Tug	Diesel	2010	110	HP	Tier 3	336	--	--	--	--	--
383	880	Belt Loader	Electric	1995	60	HP	--	--	--	--	--	--	--
384	883	Belt Loader	Electric	1995	60	HP	--	--	--	--	--	--	--
385	884	Belt Loader	Electric	1998	60	HP	--	--	--	--	--	--	--
386	885	Belt Loader	Electric	1998	60	HP	--	--	--	--	--	--	--
387	886	Belt Loader	Electric	1999	60	HP	--	--	--	--	--	--	--
388	887	Belt Loader	Electric	1999	60	HP	--	--	--	--	--	--	--
389	2820	Aircraft Tug	Electric	2000	110	HP	--	--	--	--	--	--	--
390	3788	Aircraft Tug	Electric	1992	138	HP	--	--	--	--	--	--	--
391	3805	Belt Loader	Electric	2001	60	HP	--	--	--	--	--	--	--
392	3806	Belt Loader	Electric	2001	60	HP	--	--	--	--	--	--	--
393	3807	Belt Loader	Electric	2001	60	HP	--	--	--	--	--	--	--
394	3808	Belt Loader	Electric	2001	60	HP	--	--	--	--	--	--	--
395	9195	Aircraft Tug	Electric	2003	110	HP	--	--	--	--	--	--	--
396	9285	Baggage Tug	Gasoline	2003	202	HP	--	886	--	--	--	--	--
397	9286	Baggage Tug	Gasoline	2003	202	HP	--	886	--	--	--	--	--
398	13459	Forklift	Electric	2008	52	HP	--	--	--	--	--	--	--
399	22093	Ground Power Unit	Diesel	2015	155	HP	Tier 4 Final	548	--	--	--	--	--
400	23776	Service Truck	Gasoline	2016	297	HP	--	338	Yes - Sold/Retired	5/27/2025	--	--	--
401	24802	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--	--	--
402	24803	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--	--	--
403	24804	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--	--	--
404	24805	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--	--	--
405	24806	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--	--	--
406	24807	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--	--	--
407	24808	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--	--	--
408	24809	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--	--	--
409	24810	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--	--	--
410	24811	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--	--	--
411	24815	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--	--	--
412	24818	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--	--	--
413	25108	Passenger Stand	Gasoline	2017	49	HP	--	183	--	--	--	--	--
414	26305	Passenger Stand	Gasoline	2018	49	HP	--	189	--	--	--	--	--
415	26686	Forklift	LPG	2018	52	HP	--	722	--	--	--	--	--
416	29595	Baggage Tug	Electric	2019	40	HP	--	--	--	--	--	--	--

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations												
	III.B.1								III.B.2				
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹
417	29598	Belt Loader	Electric	2019	60	HP	--	--	--	--	--	--	--
418	29599	Belt Loader	Electric	2019	60	HP	--	--	--	--	--	--	--
419	29832	Lavatory Truck	Gasoline	2019	100	HP	--	1,221	--	--	--	--	--
420	29833	Lavatory Truck	Gasoline	2019	100	HP	--	1,221	--	--	--	--	--
421	31533	Belt Loader	Electric	2021	60	HP	--	--	--	--	--	--	--
422	3789	Aircraft Tug	Electric	1988	140	HP	--	--	--	--	--	--	--
423	2305	Aircraft Tug	Electric	2001	110	HP	--	--	Yes - Relocated	11/3/2025	SNA (SCAQMD)	11/3/2025	--
424	22493	Air Start Unit	Diesel	2015	333	HP	Tier 4 Final	84	--	--	--	--	--
425	2306	Aircraft Tug	Electric	2001	110	HP	--	--	Yes - Relocated	11/3/2025	SNA (SCAQMD)	11/3/2025	--
426	10481	Cargo Tractor	Electric	2004	19	HP	--	--	--	--	--	--	--
427	13504	Forklift	LPG	2008	52	HP	--	374	--	--	--	--	--
428	2307	Aircraft Tug	Electric	2001	110	HP	--	--	Yes - Relocated	11/3/2025	SNA (SCAQMD)	11/3/2025	--
429	35284	Forklift	LPG	2023	51	HP	--	728	--	--	--	--	--
430	35761	Cargo Tractor	Electric	2023	10.7	HP	--	--	--	--	--	--	--
431	15005	Sweeper	LPG	2010	75	HP	--	365	--	--	--	--	--
432	29933	Golf Cart	Electric	2019	6.7	HP	--	--	--	--	--	--	--
433	3803	Golf Cart	Electric	2000	10	HP	--	--	Yes - Sold/Retired	3/12/2025	--	--	--
434	45359	Aircraft Tug	Electric	2025	41.57168478	HP	--	--	--	--	--	--	--
435	45360	Aircraft Tug	Electric	2025	41.57168478	HP	--	--	--	--	--	--	--
436	45361	Aircraft Tug	Electric	2025	41.57168478	HP	--	--	--	--	--	--	--
437	45362	Aircraft Tug	Electric	2025	41.57168478	HP	--	--	--	--	--	--	--
438	45363	Aircraft Tug	Electric	2025	41.57168478	HP	--	--	--	--	--	--	--
439	21888	Aircraft Tug	Diesel	2015	74	HP	Tier 4 Final	41	--	--	--	--	--
440	20431	Deicer	Gasoline	2013	20.8	HP	--	26	--	--	--	--	--
441	26351	Service Truck	Gasoline	2019	320	HP	--	628	--	--	--	--	--
442	45391	Forklift	Electric	2025	48	V	--	--	--	--	--	--	--
443	45392	Forklift	Electric	2025	48	V	--	--	--	--	--	--	--
444	45394	Forklift	Electric	2025	48	V	--	--	--	--	--	--	--
445	14992	Deicer	Gasoline	2010	20.8	HP	--	28	--	--	--	--	--
446	172034	Baggage Tug	Diesel	2007	86	HP	Tier 2	80	--	--	--	--	--
447	172185	Baggage Tug	Diesel	2009	42	HP	Tier 4 Interim	405	--	--	--	--	--
448	172186	Baggage Tug	Diesel	2009	42	HP	Tier 4 Interim	328	--	--	--	--	--
449	172195	Baggage Tug	Diesel	2014	49	HP	Tier 4 Final	138	--	--	--	--	--
450	172196	Baggage Tug	Diesel	2014	49	HP	Tier 4 Final	397	--	--	--	--	--
451	270060	Aircraft Tug	Diesel	2007	100	HP	Tier 3	284	Yes - Sold/Retired	11/4/2025	--	--	--
452	270856	Aircraft Tug	Diesel	2018	74	HP	Tier 4 Final	200	--	--	--	--	--
453	522277	Belt Loader	Diesel	2015	49	HP	Tier 4 Final	602	--	--	--	--	--
454	522283	Belt Loader	Diesel	2015	49	HP	Tier 4 Final	108	--	--	--	--	--
455	522656	Belt Loader	Diesel	2007	65	HP	Tier 2	251	--	--	--	--	--
456	522658	Belt Loader	Diesel	2006	65	HP	Tier 2	447	--	--	--	--	--
457	AS145582	Air Start Unit	Diesel	2019	450	HP	Tier 4 Final	29	--	--	--	--	--
458	BL570251	Belt Loader	Gasoline	2018	87	HP	--	905	--	--	--	--	--
459	BL570253	Belt Loader	Gasoline	2017	87	HP	--	872	--	--	--	--	--
460	BL570349	Belt Loader	Gasoline	2022	86.22772036	HP	--	726	--	--	--	--	--
461	BL570374	Belt Loader	Gasoline	2022	61.7	HP	--	80	--	--	--	--	--
462	BT176023	Baggage Tug	Gasoline	2020	61	HP	--	223	--	--	--	--	--
463	BT176024	Baggage Tug	Gasoline	2020	61	HP	--	113	--	--	--	--	--
464	BT176025	Baggage Tug	Gasoline	2020	61	HP	--	250	--	--	--	--	--
465	BT176149	Baggage Tug	Gasoline	2022	61	HP	--	499	--	--	--	--	--
466	BT176150	Baggage Tug	Gasoline	2022	61	HP	--	18	--	--	--	--	--
467	BT176163	Baggage Tug	Gasoline	2023	64.3	HP	--	473	--	--	--	--	--
468	BT176164	Baggage Tug	Gasoline	2023	86	HP	--	458	--	--	--	--	--

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations													
	III.B.1								III.B.2					
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c	
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹	
469	BT176165	Baggage Tug	Gasoline	2023	64.3	HP	--	488	--	--	--	--	--	
470	CV600395	Service Truck	Gasoline	2016	282	HP	--	--	--	--	--	--	--	
471	GP901943	Ground Power Unit	Diesel	2022	154	HP	Tier 4 Final	356	--	--	--	--	--	
472	LT480242	Lavatory Truck	Diesel	2022	65	HP	Tier 4 Final	0	--	--	--	--	--	
473	PB271189	Aircraft Tug	Diesel	2023	74.29262376	HP	Tier 4 Final	207	--	--	--	--	--	
474	PB271205	Aircraft Tug	Diesel	2024	74	HP	Tier 4 Final	58	--	--	--	--	--	
475	522357	Belt Loader	Diesel	2014	49	HP	Tier 4 Final	80	--	--	--	--	--	
476	270889	Aircraft Tug	Diesel	2019	75	HP	Tier 4 Final	168	--	--	--	--	--	
477	AC5276	Air Conditioner	Gasoline	2018	250	HP	--	41	--	--	--	--	--	
478	AS1011	Air Start Unit	Diesel	2018	493	HP	Tier 4 Final	68	--	--	--	--	--	
479	BL3086	Belt Loader	Electric	2018	40	HP	--	--	--	--	--	--	--	
480	BL3087	Belt Loader	Electric	2018	40	HP	--	--	--	--	--	--	--	
481	BL3088	Belt Loader	Electric	2004	30	HP	--	--	--	--	--	--	--	
482	BL3089	Belt Loader	Electric	2005	30	HP	--	--	--	--	--	--	--	
483	CT2265	Cargo Tractor	Electric	2018	40	HP	--	--	--	--	--	--	--	
484	CT2266	Cargo Tractor	Electric	2018	40	HP	--	--	--	--	--	--	--	
485	CT2267	Cargo Tractor	Electric	2018	40	HP	--	--	--	--	--	--	--	
486	CT2271	Cargo Tractor	Electric	2018	40	HP	--	--	--	--	--	--	--	
487	GP1927	Ground Power Unit	Diesel	2018	110	HP	Tier 4 Final	803	--	--	--	--	--	
488	LC022154	Lavatory Cart	Gasoline	2018	7	HP	--	91	--	--	--	--	--	
489	LC363368	Lavatory Cart	Gasoline	2004	7	HP	--	183	--	--	--	--	--	
490	PT0862	Aircraft Tug	Electric	2018	40	HP	--	--	--	--	--	--	--	
491	PT0863	Aircraft Tug	Electric	2018	40	HP	--	--	--	--	--	--	--	
492	VC0056	Service Truck	Gasoline	2018	250	HP	--	409	Yes - Relocated	6/27/2025	Outside of SCAQMD	6/27/2025	--	
493	WC022103	Water Truck	Electric	2018	25	HP	--	--	Yes - Relocated	6/27/2025	PSP (SCAQMD)	6/27/2025	--	
494	PT1410	Aircraft Tug	Electric	2024	40	HP	--	--	--	--	--	--	--	
495	419215	Air Start Unit	Diesel	2021	535	HP	Tier 4 Final	10	--	--	--	--	--	
496	425145	Belt Loader	Electric	2023			--	--	--	--	--	--	--	
497	425146	Belt Loader	Electric	2023			--	--	--	--	--	--	--	
498	425147	Belt Loader	Electric	2023			--	--	--	--	--	--	--	
499	425148	Belt Loader	Electric	2023			--	--	--	--	--	--	--	
500	425149	Belt Loader	Electric	2023			--	--	--	--	--	--	--	
501	410593	Service Truck	Gasoline	2016	153	HP	--	108	--	--	--	--	--	
502	410594	Service Truck	Gasoline	2016	153	HP	--	108	--	--	--	--	--	
503	414608	Service Truck	Gasoline	2018	153	HP	--	108	--	--	--	--	--	
504	414609	Service Truck	Gasoline	2018	153	HP	--	108	--	--	--	--	--	
505	415797	Service Truck	Gasoline	2019	153	HP	--	108	--	--	--	--	--	
506	422768	Service Truck	Gasoline	2023	153	HP	--	108	--	--	--	--	--	
507	422769	Service Truck	Gasoline	2023	153	HP	--	--	--	--	--	--	--	
508	415885	Cargo Loader	Gasoline	2019	362	HP	--	63	--	--	--	--	--	
509	419245	Cargo Loader	Diesel	2020	140	HP	Tier 4 Final	63	--	--	--	--	--	
510	419247	Cargo Loader	Diesel	2020	140	HP	Tier 4 Final	63	--	--	--	--	--	
511	423797	Cargo Loader	Diesel	2022	140	HP	Tier 4 Final	63	--	--	--	--	--	
512	423819	Cargo Loader	Diesel	2022	140	HP	Tier 4 Final	63	--	--	--	--	--	
513	423821	Cargo Loader	Diesel	2022	140	HP	Tier 4 Final	63	--	--	--	--	--	
514	422984	Cargo Tractor	Gasoline	2023	61	HP	--	174	--	--	--	--	--	
515	422985	Cargo Tractor	Gasoline	2023	61	HP	--	174	--	--	--	--	--	
516	422986	Cargo Tractor	Gasoline	2023	61	HP	--	174	--	--	--	--	--	
517	422987	Cargo Tractor	Gasoline	2023	61	HP	--	174	--	--	--	--	--	
518	422988	Cargo Tractor	Gasoline	2023	61	HP	--	174	--	--	--	--	--	
519	422989	Cargo Tractor	Gasoline	2023	61	HP	--	174	--	--	--	--	--	
520	422990	Cargo Tractor	Gasoline	2023	61	HP	--	174	--	--	--	--	--	

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations												
	III.B.1								III.B.2				
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹
521	422991	Cargo Tractor	Gasoline	2023	61	HP	--	174	--	--	--	--	--
522	422992	Cargo Tractor	Gasoline	2023	61	HP	--	174	--	--	--	--	--
523	422995	Cargo Tractor	Electric	2022			--	--	--	--	--	--	--
524	423081	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
525	423082	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
526	423083	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
527	423084	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
528	423085	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
529	423086	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
530	423087	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
531	423088	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
532	423089	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
533	423090	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
534	423091	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
535	423092	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
536	423093	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
537	423094	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
538	423095	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
539	423096	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
540	423102	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
541	423103	Cargo Tractor	Gasoline	2022	61	HP	--	174	--	--	--	--	--
542	423123	Cargo Tractor	Electric	2022			--	--	--	--	--	--	--
543	423124	Cargo Tractor	Electric	2022			--	--	--	--	--	--	--
544	423125	Cargo Tractor	Electric	2022			--	--	--	--	--	--	--
545	423126	Cargo Tractor	Electric	2022			--	--	--	--	--	--	--
546	423127	Cargo Tractor	Electric	2022			--	--	--	--	--	--	--
547	423128	Cargo Tractor	Electric	2022			--	--	--	--	--	--	--
548	423129	Cargo Tractor	Electric	2022			--	--	--	--	--	--	--
549	423130	Cargo Tractor	Electric	2022			--	--	--	--	--	--	--
550	425062	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
551	425063	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
552	425064	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
553	425065	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
554	425066	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
555	425067	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
556	425068	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
557	425069	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
558	425070	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
559	425071	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
560	425072	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
561	425073	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
562	425074	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
563	425075	Cargo Tractor	Electric	2023			--	--	--	--	--	--	--
564	423749	Ground Power Unit	Diesel	2022	155	HP	Tier 4 Final	102	--	--	--	--	--
565	423745	Ground Power Unit	Diesel	2022	155	HP	Tier 4 Final	102	--	--	--	--	--
566	424741	Ground Power Unit	Diesel	2022	155	HP	Tier 4 Final	102	--	--	--	--	--
567	419170	Ground Power Unit	Diesel	2020	155	HP	Tier 4 Final	103	--	--	--	--	--
568	419375	Ground Power Unit	Diesel	2020	155	HP	Tier 4 Final	103	--	--	--	--	--
569	419171	Ground Power Unit	Diesel	2020	155	HP	Tier 4 Final	103	--	--	--	--	--
570	834895	Other GSE	Diesel	2010	12	HP	Tier 4 Final	64	--	--	--	--	--
571	835727	Other GSE	Diesel	2012	12	HP	Tier 4 Final	64	--	--	--	--	--
572	410564	Service Truck	Gasoline	2016	285	HP	--	108	--	--	--	--	--

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations												
	III.B.1								III.B.2				
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹
573	426338	Service Truck	Gasoline	2024	310	HP	--	108	--	--	--	--	--
574	426339	Service Truck	Gasoline	2024	310	HP	--	108	--	--	--	--	--
575	424272	Service Truck	Gasoline	2024	310	HP	--	108	--	--	--	--	--
576	424271	Service Truck	Gasoline	2024	310	HP	--	108	--	--	--	--	--
577	424995	Aircraft Tug	Diesel	2023	250	HP	Tier 4 Final	43	--	--	--	--	--
578	423165	Service Truck	Gasoline	2022	285	HP	--	109	--	--	--	--	--
579	423166	Service Truck	Gasoline	2022	285	HP	--	109	--	--	--	--	--
580	423167	Service Truck	Gasoline	2022	285	HP	--	109	--	--	--	--	--
581	423168	Service Truck	Gasoline	2022	285	HP	--	109	--	--	--	--	--
582	423169	Service Truck	Gasoline	2022	285	HP	--	109	--	--	--	--	--
583	423171	Service Truck	Gasoline	2022	285	HP	--	109	--	--	--	--	--
584	423172	Service Truck	Gasoline	2022	285	HP	--	109	--	--	--	--	--
585	423174	Service Truck	Gasoline	2022	285	HP	--	109	--	--	--	--	--
586	423175	Service Truck	Gasoline	2022	285	HP	--	109	--	--	--	--	--
587	419320	Service Truck	Gasoline	2020	385	HP	--	109	--	--	--	--	--
588	419324	Service Truck	Gasoline	2020	385	HP	--	109	--	--	--	--	--
589	419351	Service Truck	Gasoline	2020	385	HP	--	109	--	--	--	--	--
590	419352	Service Truck	Gasoline	2020	385	HP	--	109	--	--	--	--	--
591	422300	Service Truck	Gasoline	2022	401	HP	--	109	--	--	--	--	--
592	422882	Service Truck	Gasoline	2022	401	HP	--	109	--	--	--	--	--
593	7685	Cargo Tractor	Gasoline	2021	61	HP	--	174	--	--	--	--	--
594	9705	Cargo Tractor	Gasoline	2018	42	HP	--	174	--	--	--	--	--
595	9717	Cargo Tractor	Gasoline	2010	42	HP	--	174	--	--	--	--	--
596	9720	Cargo Tractor	Gasoline	2018	42	HP	--	174	--	--	--	--	--
597	9740	Cargo Tractor	Gasoline	2025	61	HP	--	174	--	--	--	--	--
598	302276	Cargo Tractor	Gasoline	2010	42	HP	--	174	--	--	--	--	--
599	392786	Cargo Tractor	Gasoline	2010	42	HP	--	174	--	--	--	--	--
600	393598	Cargo Tractor	Gasoline	2010	42	HP	--	174	--	--	--	--	--
601	394196	Cargo Tractor	Gasoline	2019	42	HP	--	174	--	--	--	--	--
602	394211	Cargo Tractor	Gasoline	2019	42	HP	--	174	--	--	--	--	--
603	413401	Cargo Tractor	Gasoline	2017	84	HP	--	174	--	--	--	--	--
604	418883	Cargo Tractor	Gasoline	2021	61	HP	--	174	--	--	--	--	--
605	419499	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--
606	422977	Cargo Tractor	Gasoline	2023	61	HP	--	174	--	--	--	--	--
607	458270	Cargo Tractor	Gasoline	2018	42	HP	--	174	--	--	--	--	--
608	830999	Cargo Tractor	Gasoline	2024	61	HP	--	174	--	--	--	--	--
609	415846	Cargo Loader	Diesel	2019	140	HP	Tier 4 Final	63	--	--	--	--	--
610	423798	Cargo Loader	Diesel	2021	140	HP	Tier 4 Final	63	--	--	--	--	--
611	423799	Cargo Loader	Diesel	2021	140	HP	Tier 4 Final	63	--	--	--	--	--
612	424934	Cargo Loader	Diesel	2022	140	HP	Tier 4 Final	63	--	--	--	--	--
613	422790	Belt Loader	Gasoline	2022	84	HP	--	105	--	--	--	--	--
614	412069	Ground Power Unit	Diesel	2024	155	HP	Tier 4 Final	103	--	--	--	--	--
615	414723	Ground Power Unit	Diesel	2018	155	HP	Tier 4 Final	103	--	--	--	--	--
616	414725	Ground Power Unit	Diesel	2018	155	HP	Tier 4 Final	103	--	--	--	--	--
617	416178	Ground Power Unit	Diesel	2019	155	HP	Tier 4 Final	100	--	--	--	--	--
618	838006	Ground Power Unit	Diesel	2014	155	HP	Tier 4 Interim	71	--	--	--	--	--
619	426501	Air Start Unit	Diesel	2025	535	HP	Tier 4 Final	9	--	--	--	--	--
620	833138	Other GSE	Diesel	2008	12	HP	Tier 4 Final	64	--	--	--	--	--
621	48292	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--
622	48293	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--
623	48299	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--
624	48300	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--

Table 1. 2025 Ground Support Equipment (GSE) MOU Reporting Data
Ontario Airport MOU
Ontario, California

Unit #	MOU Schedule No. 1. Obligations												
	III.B.1								III.B.2				
	III.B.1.a	III.B.1.b	III.B.1.c	III.B.1.d	III.B.1.e		III.B.1.f	III.B.1.g	--	--	III.B.2.a	III.B.2.b	III.B.2.c
	Equipment ID ¹	Airline GSE Type ¹	Fuel Type ¹ (Electric, Diesel, Propane, Gasoline)	Engine Model Year ¹	Engine Power Rating ¹	Engine Power Rating Units ¹	Engine Tier Level ¹ (for diesel engines)	Default Activity Level - hrs/yr of engine operation or annual mileage ²	Equipment Sold or Relocated? ¹	Date of Status Change ¹	If relocated within South Coast, relocation destination airport ¹	Date of Relocation ¹	Estimated Projected Usage Hours ¹
625	48302	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--
626	833914	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--
627	833915	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--
628	833916	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--
629	833917	Cargo Tractor	Gasoline	2021	61	HP	--	174	--	--	--	--	--
630	833918	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--
631	833919	Cargo Tractor	Gasoline	2021	61	HP	--	174	--	--	--	--	--
632	415908	Cargo Tractor	Gasoline	2019	61	HP	--	174	--	--	--	--	--
633	415910	Cargo Tractor	Gasoline	2024	61	HP	--	174	--	--	--	--	--
634	418884	Cargo Tractor	Gasoline	2021	61	HP	--	174	--	--	--	--	--
635	423946	Service Truck	Gasoline	2024	401	HP	--	108	--	--	--	--	--
636	425029	Service Truck	Gasoline	2024	401	HP	--	108	--	--	--	--	--
637	425034	Service Truck	Gasoline	2024	401	HP	--	108	--	--	--	--	--
638	425035	Service Truck	Gasoline	2024	401	HP	--	108	--	--	--	--	--
639	425036	Service Truck	Gasoline	2024	401	HP	--	108	--	--	--	--	--
640	425491	Service Truck	Gasoline	2024	401	HP	--	108	--	--	--	--	--
641	837661	Service Truck	Gasoline	2015	285	HP	--	108	--	--	--	--	--
642	425740	Service Truck	Gasoline	2023	175	HP	--	108	--	--	--	--	--
643	426331	Service Truck	Gasoline	2024	140	HP	--	108	--	--	--	--	--
644	419493	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--
645	419494	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--
646	674929	Service Truck	Gasoline	2011	345	HP	--	108	--	--	--	--	--
647	419140	Forklift	Diesel	2020	164	HP	Tier 4 Final	51	--	--	--	--	--
648	838002	Forklift	Gasoline	2015	90	HP	--	94	--	--	--	--	--
649	419496	Cargo Tractor	Gasoline	2020	61	HP	--	174	--	--	--	--	--

Notes:

¹ Data provided by tenant airlines and GSE operators at ONT for CY 2025.

² Annual activity data was provided by tenant airlines or obtained from CARB's OFFROAD model.

³ Equipment units shaded in blue were provided by tenant airlines and GSE operators but were deemed to be outside the scope of GSE as defined under this MOU. Thus, although these units are included in the emission inventory calculations in Table 2, they are omitted from the fleet-wide emission factor calculations in Table 3.

Refer to Table 2 and 3 for additional details.

Table 2. 2025 GSE Emissions
Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
1	ATI601	Air Conditioner	Diesel	1998	100	HP	306	1.24	7.00	28	158
2	GS3384	Lift	Gasoline	2018	75	HP	378	0.11	0.26	3	8
3	JLG600AJ	Lift	Gasoline	2018	84	HP	378	0.11	0.26	4	9
4	GS4390	Lift	Gasoline	2013	75	HP	235	0.16	0.39	3	8
5	MXI7020	Forklift	Propane	2023	55	HP	235	0.19	0.13	2	1
6	MX16615	Golf Cart	Electric	2020	4	HP	--	--	--	--	--
7	TM2602-721798	Golf Cart	Electric	2025	4	HP	--	--	--	--	--
8	TM2612-736613	Golf Cart	Electric	2025	4	HP	--	--	--	--	--
9	3040303	Golf Cart	Electric	2017	4	HP	--	--	--	--	--
10	7991	Golf Cart	Electric	2017	7	HP	--	--	--	--	--
11	558	Baggage Tug	Gasoline	1995	107	HP	730	1.49	11.99	141	1,136
12	607	Baggage Tug	Gasoline	1997	107	HP	913	1.75	13.51	207	1,600
13	854	Baggage Tug	Gasoline	1997	107	HP	913	1.75	13.51	207	1,600
14	855	Baggage Tug	Gasoline	1997	107	HP	913	1.75	13.51	207	1,600
15	856	Baggage Tug	Gasoline	1996	107	HP	1095	1.75	13.51	248	1,919
16	1803	Belt Loader	Gasoline	2001	100	HP	730	1.48	10.80	119	869
17	1874	Belt Loader	Gasoline	2001	100	HP	730	1.48	10.80	119	869
18	3132	Baggage Tug	Gasoline	2003	107	HP	886	0.95	5.37	109	618
19	3622	Aircraft Tug	Diesel	2007	100	HP	336	0.30	2.94	12	117
20	3638	Belt Loader	Gasoline	2007	100	HP	548	1.19	1.37	72	83
21	5380	Ground Power Unit	Diesel	2016	175	HP	548	0.13	0.90	9	64
22	5423	Air Start Unit	Diesel	2016	425	HP	84	0.07	0.87	2	21
23	5603	Baggage Tug	Gasoline	2016	107	HP	763	0.20	0.61	20	61
24	5646	Baggage Tug	Gasoline	2016	107	HP	763	0.20	0.61	20	61
25	6150	Belt Loader	Gasoline	2016	100	HP	814	0.19	0.58	17	52
26	6151	Belt Loader	Gasoline	2016	100	HP	814	0.19	0.58	17	52
27	6532	Aircraft Tug	Diesel	2017	100	HP	336	0.10	1.14	4	45
28	1920	Passenger Stand	Gasoline	2000	107	HP	122	1.60	13.03	27	221
29	1718	Other GSE	Gasoline	2000	230	HP	495	1.75	13.51	219	1,694
30	3629	Other GSE	Gasoline	2001	190	HP	495	1.48	10.80	153	1,119
31	3045	Lavatory Cart	Gasoline	2021	4	HP	183	4.40	2.85	4	2
32	3484	Lavatory Cart	Gasoline	2021	4	HP	183	4.40	2.85	4	2
33	11021	Baggage Tug	Gasoline	2025	86	HP	118	0.02	0.05	0	1
34	11022	Baggage Tug	Gasoline	2025	86	HP	118	0.02	0.05	0	1
35	18897	Aircraft Tug	Diesel	1999	87	HP	336	1.64	6.40	57	221
36	64573	Air Start Unit	Diesel	2017	380	HP	73	0.07	0.22	1	4
37	LD576	Belt Loader	Diesel	1993	45	HP	523	3.45	7.00	60	122
38	LD669	Belt Loader	Diesel	2000	45	HP	295	2.78	5.37	27	53
39	LG200	Belt Loader	Gasoline	2012	93	HP	730	0.32	0.78	24	58
40	LG248	Belt Loader	Gasoline	1997	93	HP	365	4.27	11.98	160	448
41	PS262	Aircraft Tug	Diesel	1999	87	HP	336	1.64	6.40	57	221
42	PS340	Aircraft Tug	Diesel	1999	87	HP	336	1.64	6.40	57	221
43	SM053	Lavatory Cart	Gasoline	2006	6	HP	183	19.33	15.21	21	17

Table 2. 2025 GSE Emissions
Ontario Airport MOU
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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
44	SN306	Passenger Stand	Gasoline	2015	8	HP	38	3.76	2.44	1	1
45	TM302	Cargo Tractor	Gasoline	1990	93	HP	125	3.63	10.63	50	147
46	TR280	Cargo Tractor	Diesel	2007	65	HP	517	0.60	4.56	16	122
47	TR288	Cargo Tractor	Diesel	2007	65	HP	517	0.60	4.56	16	122
48	TT126	Cargo Tractor	Gasoline	1998	115	HP	102	1.67	13.27	23	185
49	TY850	Cargo Tractor	Gasoline	2001	95	HP	102	2.97	10.07	34	116
50	TY874	Cargo Tractor	Gasoline	1989	107	HP	125	1.49	11.99	24	191
51	TY876	Cargo Tractor	Gasoline	1991	93	HP	125	3.63	10.63	50	147
52	FE495	Service Truck	Gasoline	2015	275	HP	840	0.21	0.64	21	66
53	SM049	Lavatory Cart	Electric	2003			--	--	--	--	--
54	LG293	Belt Loader	Gasoline	2012	72	HP	340	0.62	0.47	17	13
55	TY1391	Cargo Tractor	Gasoline	2024	58	HP	600	0.13	0.10	5	4
56	TY1392	Cargo Tractor	Gasoline	2024	58	HP	600	0.13	0.10	5	4
57	TY1393	Cargo Tractor	Gasoline	2024	58	HP	600	0.13	0.10	5	4
58	TY1394	Cargo Tractor	Gasoline	2024	58	HP	600	0.13	0.10	5	4
59	TY1395	Cargo Tractor	Gasoline	2024	58	HP	600	0.13	0.10	5	4
60	TY1396	Cargo Tractor	Gasoline	2024	58	HP	600	0.13	0.10	5	4
61	TY1397	Cargo Tractor	Gasoline	2024	58	HP	600	0.13	0.10	5	4
62	TY1398	Cargo Tractor	Gasoline	2024	58	HP	600	0.13	0.10	5	4
63	SM086	Lavatory Cart	Gasoline	2023	1	HP	42	3.74	2.43	0	0
64	PT125	Aircraft Tug	Diesel	2015	74	HP	29	0.22	2.67	1	7
65	PT124	Aircraft Tug	Diesel	2015	74	HP	2	0.22	2.67	0	0
66	22550	Aircraft Tug	Diesel	2015	74	HP	2	0.22	2.67	0	0
67	FG 25ST11	Forklift	LPG	2008	34	HP	64	16.84	12.30	24	18
68	6662 (RENTAL)	Lift	ELECTRIC	2023	7	HP	--	--	--	--	--
69	2	Vehicle	GASOLINE	2022	162	HP	--	N/A (On-Road)	N/A (On-Road)	--	--
70	1	Vehicle	GASOLINE	2022	162	HP	--	N/A (On-Road)	N/A (On-Road)	--	--
71	56	Vehicle	GASOLINE	2005	300	HP	--	N/A (On-Road)	N/A (On-Road)	--	--
72	1932ME	Lift	ELECTRIC	2024	3	HP	--	--	--	--	--
73	99	Vehicle	GASOLINE	2014	283	HP	--	N/A (On-Road)	N/A (On-Road)	--	--
74	27378	Aircraft Tug	Diesel	2002	140	HP	188	0.96	5.59	30	174
75	48318	Lavatory Truck	Gasoline	2000	300	HP	0	1.48	12.64	0	0
76	57081	Belt Loader	Electric	2006	11	HP	514	--	--	--	--
77	57082	Belt Loader	Electric	2006	11	HP	960	--	--	--	--
78	57083	Belt Loader	Electric	2006	11	HP	813	--	--	--	--
79	750020	Passenger Stand	Gasoline	2001	9	HP	0	4.19	2.77	0	0
80	770047	Baggage Tug	Electric	2005	60	HP	168	--	--	--	--
81	770315	Baggage Tug	Electric	2010	40	HP	268	--	--	--	--
82	770317	Baggage Tug	Electric	2010	40	HP	324	--	--	--	--
83	770318	Baggage Tug	Electric	2010	40	HP	151	--	--	--	--
84	770324	Baggage Tug	Electric	2011	40	HP	236	--	--	--	--
85	770325	Baggage Tug	Electric	2011	40	HP	291	--	--	--	--
86	770326	Baggage Tug	Electric	2011	40	HP	299	--	--	--	--

Table 2. 2025 GSE Emissions
Ontario Airport MOU
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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
87	770328	Baggage Tug	Electric	2011	25	HP	288	--	--	--	--
88	780048	Passenger Stand	Gasoline	2022	61	HP	84	0.03	0.03	0	0
89	271007	Aircraft Tug	Diesel	2017	74	HP	400	0.22	2.74	8	96
90	14643	Air Start Unit	Diesel	2023	513	HP	45	0.06	0.13	1	2
91	570193	Belt Loader	Electric	2021	11	HP	348	--	--	--	--
92	570495	Belt Loader	Electric	2021	11	HP	322	--	--	--	--
93	900959	Ground Power Unit	Diesel	2017	155	HP	302	0.10	1.13	3	39
94	22851	Air Start Unit	Diesel	2009	630	HP	13	0.12	2.56	1	14
95	23194	Cargo Tractor	LPG	2009	75	HP	19	0.45	0.59	1	1
96	23846	Lift	Gasoline	2009	24	HP	424	12.56	8.15	138	90
97	28407	Other GSE	Gasoline	2011	13	HP	183	6.76	4.39	18	11
98	33036	Cargo Loader	Diesel	2010	110	HP	487	0.34	3.13	14	124
99	45739	Cargo Loader	Diesel	2018	74	HP	487	0.23	2.75	6	73
100	47377	Other GSE	Gasoline	2012	51	HP	183	0.17	0.13	2	1
101	47508	Other GSE	Gasoline	2012	51	HP	183	0.17	0.13	2	1
102	48138	Cargo Loader	Diesel	2019	130	HP	487	0.11	0.75	5	35
103	48153	Cargo Loader	Diesel	2019	74	HP	487	0.22	2.74	6	73
104	69592	Cargo Tractor	Gasoline	2008	75	HP	1334	3.27	0.14	389	17
105	69593	Cargo Tractor	Gasoline	2008	75	HP	1334	3.27	0.14	389	17
106	69594	Cargo Tractor	Gasoline	2008	75	HP	1334	3.27	0.14	389	17
107	69595	Cargo Tractor	Gasoline	2008	75	HP	1334	3.27	0.14	389	17
108	500955	Belt Loader	Gasoline	2013	13	HP	791	16.18	10.50	176	114
109	500963	Belt Loader	Gasoline	2013	13	HP	791	16.18	10.50	176	114
110	502544	Lift	Electric	2014	24	HP	--	--	--	--	--
111	502925	Forklift	Electric	2014	36	HP	--	--	--	--	--
112	506513	Cargo Tractor	Electric	2015	80	HP	--	--	--	--	--
113	506514	Cargo Tractor	Electric	2015	80	HP	--	--	--	--	--
114	506515	Cargo Tractor	Electric	2015	80	HP	--	--	--	--	--
115	506516	Cargo Tractor	Electric	2015	80	HP	--	--	--	--	--
116	512014	Other GSE	Gasoline	2017	13	HP	183	5.34	3.47	14	9
117	512015	Other GSE	Gasoline	2017	13	HP	183	5.34	3.47	14	9
118	512639	Cargo Loader	Diesel	2017	74	HP	487	0.25	2.77	7	74
119	518553	Ground Power Unit	Diesel	2018	155	HP	803	0.15	0.98	13	90
120	518713	Cargo Loader	Diesel	2019	74	HP	487	0.22	2.74	6	73
121	518715	Cargo Loader	Diesel	2019	74	HP	487	0.22	2.74	6	73
122	518716	Cargo Loader	Diesel	2019	74	HP	487	0.22	2.74	6	73
123	518838	Cargo Tractor	Gasoline	2019	86	HP	1350	0.30	0.73	41	102
124	518839	Cargo Tractor	Gasoline	2019	86	HP	1350	0.30	0.73	41	102
125	518840	Cargo Tractor	Gasoline	2019	86	HP	1350	0.30	0.73	41	102
126	518841	Cargo Tractor	Gasoline	2019	86	HP	1350	0.30	0.73	41	102
127	518842	Cargo Tractor	Gasoline	2019	86	HP	1350	0.30	0.73	41	102
128	518843	Cargo Tractor	Gasoline	2019	86	HP	1350	0.30	0.73	41	102
129	518889	Cargo Tractor	Gasoline	2019	61	HP	1350	0.59	0.45	58	44

Table 2. 2025 GSE Emissions

Ontario Airport MOU
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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
130	518893	Cargo Tractor	Gasoline	2019	61	HP	1350	0.59	0.45	58	44
131	518894	Cargo Tractor	Gasoline	2019	61	HP	1350	0.59	0.45	58	44
132	518896	Cargo Tractor	Gasoline	2019	61	HP	1350	0.59	0.45	58	44
133	518903	Cargo Tractor	Gasoline	2019	61	HP	1350	0.59	0.45	58	44
134	518908	Cargo Tractor	Gasoline	2019	61	HP	1350	0.59	0.45	58	44
135	518909	Cargo Tractor	Gasoline	2019	61	HP	1350	0.59	0.45	58	44
136	518913	Cargo Tractor	Gasoline	2019	61	HP	1350	0.59	0.45	58	44
137	518914	Cargo Tractor	Gasoline	2019	61	HP	1350	0.59	0.45	58	44
138	520811	Belt Loader	Gasoline	2019	19	HP	811	10.57	6.86	180	117
139	522891	Ground Power Unit	Diesel	2021	155	HP	793	0.11	0.36	10	33
140	522892	Ground Power Unit	Diesel	2021	155	HP	793	0.11	0.36	10	33
141	525515	Other GSE	Electric	2022	15	HP	--	--	--	--	--
142	525516	Other GSE	Electric	2022	15	HP	--	--	--	--	--
143	525517	Other GSE	Electric	2022	15	HP	--	--	--	--	--
144	525518	Other GSE	Electric	2022	15	HP	--	--	--	--	--
145	525976	Ground Power Unit	Diesel	2022	154	HP	794	0.10	0.16	9	15
146	525980	Ground Power Unit	Diesel	2022	154	HP	794	0.10	0.16	9	15
147	504698	Air Conditioner	Diesel	2011	130	HP	495	0.33	2.79	16	132
148	63489	Air Conditioner	Diesel	2006	130	HP	495	0.48	4.22	23	200
149	25280	Air Start Unit	Diesel	2011	679	HP	78	0.11	1.58	4	57
150	41260	Aircraft Tug	Diesel	2015	300	HP	336	0.11	0.81	13	96
151	22844	Aircraft Tug	Diesel	2008	200	HP	286	0.29	2.64	20	179
152	507153	Aircraft Tug	Diesel	2015	290	HP	336	0.11	0.64	13	74
153	22856	Aircraft Tug	Diesel	2008	200	HP	336	0.29	2.65	23	210
154	57089	Belt Loader	Electric	2004	80	HP	--	--	--	--	--
155	57090	Belt Loader	Electric	2004	80	HP	--	--	--	--	--
156	57091	Belt Loader	Electric	2004	80	HP	--	--	--	--	--
157	57092	Belt Loader	Electric	2004	80	HP	--	--	--	--	--
158	57095	Belt Loader	Electric	2004	80	HP	--	--	--	--	--
159	507145	Belt Loader	Gasoline	2015	80	HP	801	0.28	0.69	20	49
160	57096	Belt Loader	Electric	2004	80	HP	--	--	--	--	--
161	507146	Belt Loader	Gasoline	2015	80	HP	801	0.28	0.69	20	49
162	40926	Cargo Loader	Diesel	2011	110	HP	487	0.33	2.78	13	110
163	52236	Cargo Loader	Diesel	2011	160	HP	487	0.33	2.78	19	160
164	508187	Cargo Loader	Diesel	2011	160	HP	487	0.33	2.78	19	160
165	40962	Cargo Loader	Diesel	2011	110	HP	487	0.33	2.78	13	110
166	40991	Cargo Loader	Diesel	2011	110	HP	487	0.33	2.78	13	110
167	44109	Cargo Loader	Diesel	2011	110	HP	487	0.33	2.78	13	110
168	45732	Cargo Loader	Diesel	2011	110	HP	487	0.33	2.78	13	110
169	514160	Cargo Loader	Diesel	2018	160	HP	487	0.11	0.95	6	55
170	55575	Cargo Loader	Diesel	2011	110	HP	487	0.33	2.78	13	110
171	46601	Cargo Loader	Diesel	2013	110	HP	487	0.27	2.01	11	79
172	69587	Cargo Tractor	Gasoline	2008	75	HP	1334	3.27	0.14	389	17

Table 2. 2025 GSE Emissions
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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
173	69588	Cargo Tractor	Gasoline	2008	75	HP	1334	3.27	0.14	389	17
174	506404	Cargo Tractor	Gasoline	2015	86	HP	1354	0.32	0.78	44	107
175	25116	Cargo Tractor	Gasoline	2010	75	HP	1354	0.32	0.78	38	94
176	69589	Cargo Tractor	Gasoline	2008	75	HP	1334	3.27	0.14	389	17
177	23238	Cargo Tractor	Gasoline	2010	80	HP	1354	0.32	0.78	41	100
178	506405	Cargo Tractor	Gasoline	2015	86	HP	1354	0.32	0.78	44	107
179	25117	Cargo Tractor	Gasoline	2010	75	HP	1354	0.32	0.78	38	94
180	507526	Cargo Tractor	Gasoline	2016	86	HP	1354	0.32	0.78	44	107
181	25118	Cargo Tractor	Gasoline	2010	75	HP	1354	0.32	0.78	38	94
182	23239	Cargo Tractor	Gasoline	2010	80	HP	1354	0.32	0.78	41	100
183	507527	Cargo Tractor	Gasoline	2016	86	HP	1354	0.32	0.78	44	107
184	512137	Cargo Tractor	Gasoline	2017	86	HP	1353	0.32	0.78	44	107
185	507528	Cargo Tractor	Gasoline	2016	86	HP	1354	0.32	0.78	44	107
186	23240	Cargo Tractor	Gasoline	2010	80	HP	1354	0.32	0.78	41	100
187	506406	Cargo Tractor	Gasoline	2015	86	HP	1354	0.32	0.78	44	107
188	69590	Cargo Tractor	Gasoline	2008	75	HP	1334	3.27	0.14	389	17
189	512138	Cargo Tractor	Gasoline	2017	86	HP	1353	0.32	0.78	44	107
190	69591	Cargo Tractor	Gasoline	2008	75	HP	1334	3.27	0.14	389	17
191	23241	Cargo Tractor	Gasoline	2010	80	HP	1354	0.32	0.78	41	100
192	57117	Cargo Tractor	Gasoline	2004	65	HP	1217	1.47	3.65	138	343
193	23202	Cargo Tractor	Gasoline	2009	75	HP	1345	3.27	0.14	392	17
194	507529	Cargo Tractor	Gasoline	2016	86	HP	1354	0.32	0.78	44	107
195	23243	Cargo Tractor	Gasoline	2010	80	HP	1354	0.32	0.78	41	100
196	506407	Cargo Tractor	Gasoline	2015	86	HP	1354	0.32	0.78	44	107
197	509689	Cargo Tractor	Gasoline	2016	86	HP	1354	0.32	0.78	44	107
198	23244	Cargo Tractor	Gasoline	2010	80	HP	1354	0.32	0.78	41	100
199	23204	Cargo Tractor	Gasoline	2009	75	HP	1345	3.27	0.14	392	17
200	25293	Cargo Tractor	Gasoline	2011	79	HP	1348	0.32	0.78	40	98
201	509690	Cargo Tractor	Gasoline	2016	86	HP	1354	0.32	0.78	44	107
202	23245	Cargo Tractor	Gasoline	2010	80	HP	1354	0.32	0.78	41	100
203	506408	Cargo Tractor	Gasoline	2015	86	HP	1354	0.32	0.78	44	107
204	509691	Cargo Tractor	Gasoline	2016	86	HP	1354	0.32	0.78	44	107
205	506412	Cargo Tractor	Gasoline	2015	86	HP	1354	0.32	0.78	44	107
206	23246	Cargo Tractor	Gasoline	2010	80	HP	1354	0.32	0.78	41	100
207	68115	Forklift	LPG	2007	57	HP	223	1.01	0.63	9	5
208	507425	Ground Power Unit	Diesel	2016	155	HP	548	0.13	0.91	8	57
209	63363	Service Truck	Diesel	2006	200	HP	832	0.48	4.45	59	547
210	602632	Other GSE	Gasoline	2015	88	HP	183	0.08	0.19	1	3
211	507151	Service Truck	Gasoline	2016	362	HP	839	0.20	0.60	26	80
212	507152	Service Truck	Gasoline	2016	293	HP	839	0.20	0.60	21	65
213	504622	Service Truck	Gasoline	2014	375	HP	842	0.21	0.69	30	96
214	53697	Aircraft Tug	Diesel	2021	300	HP	336	0.08	0.13	10	15
215	525616	Belt Loader	Gasoline	2022	80	HP	813	0.11	0.28	8	20

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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
216	56569	Other GSE	Diesel	2004	65	HP	495	0.96	5.19	23	123
217	523098	Other GSE	Diesel	2021	74	HP	495	0.19	2.70	5	73
218	12108	Cargo Loader	Diesel	2021	130	HP	487	0.09	0.35	4	17
219	62259	Cargo Loader	Diesel	2021	130	HP	487	0.09	0.35	4	17
220	525150	Cargo Loader	Diesel	2019	24	HP	487	0.28	3.66	2	31
221	525152	Cargo Loader	Diesel	2019	24	HP	223	0.26	3.66	1	14
222	526247	Cargo Loader	Diesel	2023	9	HP	487	0.19	3.66	1	12
223	69563	Cargo Tractor	Gasoline	2008	75	HP	1334	3.27	0.14	389	17
224	69566	Cargo Tractor	Gasoline	2008	75	HP	296	3.27	0.14	86	4
225	69567	Cargo Tractor	Gasoline	2008	75	HP	841	3.27	0.14	245	11
226	69568	Cargo Tractor	Gasoline	2008	75	HP	702	3.27	0.14	205	9
227	69569	Cargo Tractor	Gasoline	2008	75	HP	841	3.27	0.14	245	11
228	524815	Forklift	LPG	2022	59	HP	725	0.25	0.16	7	5
229	524816	Forklift	LPG	2022	59	HP	725	0.25	0.16	7	5
230	524823	Other GSE	Diesel	2020	14	HP	495	0.26	3.66	1	18
231	524824	Other GSE	Diesel	2020	14	HP	495	0.26	3.66	1	18
232	531998	Forklift	Propane	2023	85	HP	399	0.16	0.11	3	2
233	517072	Other GSE	Electric	2018	72	V	--	--	--	--	--
234	55245	Cargo Tractor	Gasoline	2002	124	HP	122	1.08	7.73	19	139
235	529351	Cargo Loader	Diesel	2023	160	HP	487	0.08	0.12	5	7
236	507147	Air Start Unit	Diesel	2015	550	HP	84	0.07	0.78	2	25
237	504411	Forklift	Gasoline	2014	62	HP	730	0.55	0.42	16	13
238	528949	Golf Cart	Gasoline	2023	14	HP	155	3.82	2.48	9	6
239	532753	Other GSE	Gasoline	2022	20	HP	183	4.16	2.70	17	11
240	532764	Belt Loader	Electric	2025	31	HP	--	--	--	--	--
241	532765	Belt Loader	Electric	2025	31	HP	--	--	--	--	--
242	532766	Belt Loader	Electric	2025	31	HP	--	--	--	--	--
243	532927	Aircraft Tug	Diesel	2024	160	HP	247	0.07	0.12	3	6
244	JCT071	Service Truck	Gasoline	1998	145	HP	745	1.75	13.51	83	644
245	JCV194	Lift	Gasoline	2017	350	HP	424	0.15	0.35	25	56
246	A003491	Cargo Loader	Diesel	2018	100	HP	0	0.06	0.91	0	0
247	A009476	Other GSE	Diesel	2019	98	HP	2000	0.22	1.61	32	234
248	A013302	Forklift	LPG	2005	62	HP	15	0.25	0.37	0	0
249	A017195	Cargo Loader	Diesel	2007	100	HP	99	0.38	3.03	3	22
250	A017196	Cargo Loader	Diesel	2012	100	HP	99	0.27	2.75	2	20
251	A021342	Cargo Loader	Diesel	2011	100	HP	3	0.12	2.54	0	1
252	A025866	Other GSE	Diesel	2014	225	HP	1386	0.22	0.92	51	212
253	A026991	Other GSE	Diesel	2010	240	HP	1886	0.47	2.94	156	981
254	A027492	Other GSE	Diesel	2016	225	HP	737	0.16	0.92	20	113
255	A027693	Belt Loader	Diesel	2014	64	HP	0	0.12	2.55	0	0
256	A027731	Aircraft Tug	Diesel	2013	74	HP	0	0.12	2.50	0	0
257	A028333	Other GSE	Gasoline	2019	362	HP	4044	0.21	0.69	343	1,108
258	A028384	Other GSE	Diesel	2019	225	HP	810	0.14	0.12	18	17

Table 2. 2025 GSE Emissions
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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
259	A028411	Other GSE	Diesel	2018	260	HP	2306	0.22	0.13	99	59
260	A028412	Other GSE	Diesel	2019	260	HP	2495	0.22	0.13	107	64
261	A028486	Other GSE	Diesel	2019	260	HP	2471	0.22	0.13	106	63
262	A028727	Baggage Tug	Gasoline	2019	61	HP	169	0.08	0.06	1	1
263	A028728	Baggage Tug	Gasoline	2019	61	HP	178	0.09	0.07	1	1
264	A028729	Baggage Tug	Gasoline	2019	61	HP	88	0.05	0.04	0	0
265	A028733	Belt Loader	Diesel	2018	74	HP	188	0.16	2.67	2	27
266	A029107	Ground Power Unit	Diesel	2016	155	HP	0	0.06	0.85	0	0
267	A029144	Cargo Loader	Diesel	2019	136	HP	0	0.06	0.72	0	0
268	A029156	Other GSE	Gasoline	2020	350	HP	2949	0.21	0.69	242	781
269	A029297	Ground Power Unit	Diesel	2018	155	HP	5	0.06	0.91	0	1
270	A029298	Aircraft Tug	Diesel	2019	74	HP	75	0.13	2.64	1	17
271	A029299	Aircraft Tug	Diesel	2019	173	HP	5	0.06	0.72	0	1
272	A029325	Baggage Tug	Electric	2021	27	HP	0	--	--	--	--
273	A029326	Baggage Tug	Electric	2021	27	HP	35	--	--	--	--
274	A029393	Baggage Tug	Electric	2021	27	HP	20	--	--	--	--
275	A029394	Baggage Tug	Electric	2021	27	HP	30	--	--	--	--
276	A029725	Other GSE	Diesel	2018	360	HP	3810	0.22	0.15	226	148
277	A029726	Other GSE	Diesel	2018	225	HP	2609	0.22	0.13	97	58
278	A029872	Lavatory Truck	Gasoline	2018	360	HP	243	0.14	0.24	7	12
279	T-36	Aircraft Tug	Diesel	2009	268	HP	0	0.12	2.45	0	0
280	A029475	Belt Loader	Electric	2023	80	V	58	--	--	--	--
281	A030955	Other GSE	Diesel	2023	225	HP	3966	0.22	0.13	146	87
282	A027287	Other GSE	Diesel	2016	240	HP	3980	0.22	0.98	157	688
283	A029646	Other GSE	Diesel	2016	240	HP	495	0.13	0.90	11	79
284	A031829	Cargo Loader	Diesel	2023	100	HP	3	0.06	0.12	0	0
285	A031038	Cargo Loader	Diesel	2020	100	HP	22	0.06	0.53	0	1
286	A030394	Belt Loader	Electric	2023	80	V	12	--	--	--	--
287	PA61171	Forklift	Electric	2023	80	V	2	--	--	--	--
288	A032418	Other GSE	Diesel	2024	225	HP	81	0.07	0.12	1	2
289	A031830	Aircraft Tug	Diesel	2022	173	HP	3	0.06	0.16	0	0
290	A029296	Ground Power Unit	Diesel	2020	155	HP	11	0.06	0.53	0	1
291	A029295	Ground Power Unit	Diesel	2023	155	HP	100	0.06	0.12	1	1
292	EQ98657	Forklift	Propane	2023	56	HP	5	0.11	0.08	0	0
293	A030492	Baggage Tug	Electric	2021	27	HP	0	--	--	--	--
294	AS01	Air Start Unit	Diesel	2018	174	HP	68	0.07	0.91	1	7
295	BL03	Belt Loader	Gasoline	2017	75	HP	816	0.24	0.58	16	39
296	BL04	Belt Loader	Gasoline	2018	61	HP	808	0.41	0.31	22	17
297	BL05	Belt Loader	Gasoline	2019	64	HP	811	0.36	0.27	21	16
298	BL06	Belt Loader	Gasoline	2018	61	HP	808	0.41	0.31	22	17
299	BL07	Belt Loader	Gasoline	2015	75	HP	801	0.28	0.69	19	46
300	BL08	Belt Loader	Gasoline	2015	75	HP	801	0.28	0.69	19	46
301	CL001	Cargo Loader	Diesel	2019	160	HP	487	0.11	0.75	6	43

Table 2. 2025 GSE Emissions
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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
302	CL003	Cargo Loader	Diesel	2019	160	HP	487	0.11	0.75	6	43
303	CL0100	Cargo Loader	Diesel	2016	130	HP	487	0.13	0.91	6	42
304	CL0704	Cargo Loader	Diesel	2019	130	HP	487	0.11	0.75	5	35
305	CL0705	Cargo Loader	Diesel	2019	130	HP	487	0.11	0.75	5	35
306	CL0745	Cargo Loader	Diesel	2016	130	HP	487	0.13	0.91	6	42
307	CL1642	Cargo Loader	Diesel	2016	130	HP	487	0.13	0.91	6	42
308	GP02	Ground Power Unit	Diesel	1999	208	HP	1095	0.58	7.08	98	1,191
309	GP05	Ground Power Unit	Diesel	1994	200	HP	1095	1.24	8.72	200	1,410
310	MTS-4	Cargo Tractor	Gasoline	2016	61	HP	1354	0.63	0.48	62	47
311	MTS-5	Cargo Tractor	Gasoline	2018	61	HP	1350	0.63	0.48	61	47
312	MTS-6	Cargo Tractor	Gasoline	2018	61	HP	1350	0.63	0.48	61	47
313	MTS-7	Cargo Tractor	LPG	2018	175	HP	159	0.11	0.05	4	2
314	MTS-8	Cargo Tractor	Gasoline	2018	61	HP	1350	0.63	0.48	61	47
315	MTS-17	Cargo Tractor	Gasoline	2017	61	HP	1353	0.63	0.48	62	47
316	MTS-19	Cargo Tractor	Gasoline	2017	61	HP	1353	0.63	0.48	62	47
317	MTS-23	Cargo Tractor	LPG	2012	175	HP	154	0.18	0.08	6	2
318	MTS-24	Cargo Tractor	Gasoline	2017	61	HP	1353	0.63	0.48	62	47
319	MTS-25	Cargo Tractor	Gasoline	2017	61	HP	1353	0.63	0.48	62	47
320	MTS-26	Cargo Tractor	Gasoline	2018	61	HP	1350	0.63	0.48	61	47
321	MTS-27	Cargo Tractor	Gasoline	2018	61	HP	1350	0.63	0.48	61	47
322	MTS-28	Cargo Tractor	Gasoline	2018	61	HP	1350	0.63	0.48	61	47
323	MTS-29	Cargo Tractor	Gasoline	2018	61	HP	1350	0.63	0.48	61	47
324	MTS-30	Cargo Tractor	Gasoline	2018	61	HP	1350	0.63	0.48	61	47
325	MTS-32	Cargo Tractor	Gasoline	2019	64	HP	1350	0.59	0.45	61	46
326	MTS-33	Cargo Tractor	Gasoline	2019	64	HP	1350	0.59	0.45	61	46
327	MTS-34	Cargo Tractor	Gasoline	2019	64	HP	1350	0.59	0.45	61	46
328	MTS-35	Cargo Tractor	Gasoline	2019	64	HP	1350	0.59	0.45	61	46
329	MTS-36	Cargo Tractor	Gasoline	2019	64	HP	1350	0.59	0.45	61	46
330	MTS-37	Cargo Tractor	Gasoline	2015	75	HP	1354	0.32	0.78	38	94
331	MTS-41	Cargo Tractor	Gasoline	2017	75	HP	1353	0.32	0.78	38	94
332	MTS-42	Cargo Tractor	Gasoline	2017	61	HP	1353	0.63	0.48	62	47
333	PB02	Aircraft Tug	Diesel	2018	173	HP	336	0.10	0.94	7	64
334	YG-01	Other GSE	LPG	2010	300	HP	1014	0.77	0.01	258	2
335	YG-02	Other GSE	LPG	2010	300	HP	1014	0.77	0.01	258	2
336	YG-03	Other GSE	LPG	2010	300	HP	1014	0.77	0.01	258	2
337	YG-04	Other GSE	Diesel	2010	300	HP	495	0.35	2.67	38	293
338	Y1821	Other GSE	Diesel	2020	300	HP	495	0.10	0.13	11	14
339	Y1829	Other GSE	Diesel	2020	300	HP	495	0.10	0.13	11	14
340	AS-822	Air Start Unit	Diesel	2022	200	HP	77	0.06	0.12	1	1
341	2831	Cargo Loader	Diesel	2023	50	HP	487	0.16	2.67	3	48
342	CL007	Cargo Loader	Diesel	2019	130	HP	487	0.11	0.75	5	35
343	GP194	Ground Power Unit	Diesel	2023	200	HP	792	0.09	0.12	11	14
344	GP898	Ground Power Unit	Diesel	2023	200	HP	792	0.09	0.12	11	14

Table 2. 2025 GSE Emissions

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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
345	GP11270	Ground Power Unit	Diesel	2014	200	HP	548	0.15	0.86	12	70
346	MTS-9	Cargo Tractor	Diesel	2017	61	HP	703	0.30	2.84	10	97
347	PB01-2	Aircraft Tug	Diesel	2010	300	HP	336	0.27	2.59	33	309
348	PB04	Aircraft Tug	Diesel	1988	200	HP	6	1.10	8.13	1	11
349	MXT01	Service Truck	Gasoline	2001	340	HP	--	N/A (On-Road)	N/A (On-Road)	--	--
350	CV-02	Service Truck	Gasoline	2003	175	HP	--	N/A (On-Road)	N/A (On-Road)	--	--
351	PWT-01	Water Truck	Diesel	2000	200	HP	365	0.54	6.70	29	361
352	LV-01	Lavatory Truck	Diesel	2000	200	HP	365	0.54	6.70	29	361
353	DST-01	Passenger Stand	Gasoline	1984	160	HP	38	1.31	11.39	10	90
354	G13	Golf Cart	Electric	2010	27	HP	--	--	--	--	--
355	G14	Golf Cart	Electric	2010	27	HP	--	--	--	--	--
356	G15	Golf Cart	Electric	2010	27	HP	--	--	--	--	--
357	AC9003	Air Conditioner	Diesel	1998	325	HP	223	0.46	6.06	24	325
358	AC8974	Air Conditioner	Diesel	1998	325	HP	223	0.46	6.06	24	325
359	CL2205	Cargo Loader	Diesel	2023	50	HP	487	0.16	2.67	3	48
360	PB3015	Aircraft Tug	Diesel	2023	200	HP	336	0.07	0.12	6	9
361	G01	Golf Cart	Gasoline	2017	9	HP	183	5.34	3.47	10	6
362	GC2	Golf Cart	Electric	2010	27	HP	--	--	--	--	--
363	CL1008	Cargo Loader	Diesel	2019	74	HP	393	0.21	2.73	5	59
364	CL1009	Cargo Loader	Diesel	2019	74	HP	393	0.21	2.73	5	59
365	CL1010	Cargo Loader	Diesel	2019	74	HP	393	0.21	2.73	5	59
366	4934	Cargo Tractor	Gasoline	2024	86	HP	834	0.08	0.20	7	17
367	4935	Cargo Tractor	Gasoline	2025	86	HP	833	0.04	0.10	3	8
368	4936	Cargo Tractor	Gasoline	2024	86	HP	834	0.08	0.20	7	17
369	4937	Cargo Tractor	Gasoline	2025	86	HP	833	0.04	0.10	3	8
370	GCR1	Golf Cart	Electric	2010	27	HP	--	--	--	--	--
371	MTS 11	Cargo Tractor	Gasoline	2016	61	HP	137	0.63	0.48	6	5
372	6084	Cargo Tractor	Gasoline	2025	65	HP	137	0.02	0.02	0	0
373	6091	Cargo Tractor	Gasoline	2025	65	HP	137	0.02	0.02	0	0
374	6085	Cargo Tractor	Gasoline	2025	65	HP	137	0.02	0.02	0	0
375	YG2001	Other GSE	Diesel	2020	300	HP	19	0.09	0.13	0	1
376	YG1936	Other GSE	Diesel	2020	300	HP	19	0.09	0.13	0	1
377	YG1812	Other GSE	Diesel	2020	300	HP	19	0.09	0.13	0	1
378	CL15783	Cargo Loader	Diesel	2023	160	HP	19	0.07	0.12	0	0
379	6075	Cargo Tractor	Gasoline	2025	65	HP	137	0.02	0.02	0	0
380	LAE07	Service Truck	Gasoline	2007	335	HP	852	1.19	1.37	150	172
381	LAE06	Service Truck	Gasoline	2005	300	HP	482	2.53	2.91	161	186
382	772	Aircraft Tug	Diesel	2010	110	HP	336	0.27	3.04	12	133
383	880	Belt Loader	Electric	1995	60	HP	--	--	--	--	--
384	883	Belt Loader	Electric	1995	60	HP	--	--	--	--	--
385	884	Belt Loader	Electric	1998	60	HP	--	--	--	--	--
386	885	Belt Loader	Electric	1998	60	HP	--	--	--	--	--
387	886	Belt Loader	Electric	1999	60	HP	--	--	--	--	--

Table 2. 2025 GSE Emissions
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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
388	887	Belt Loader	Electric	1999	60	HP	--	--	--	--	--
389	2820	Aircraft Tug	Electric	2000	110	HP	--	--	--	--	--
390	3788	Aircraft Tug	Electric	1992	138	HP	--	--	--	--	--
391	3805	Belt Loader	Electric	2001	60	HP	--	--	--	--	--
392	3806	Belt Loader	Electric	2001	60	HP	--	--	--	--	--
393	3807	Belt Loader	Electric	2001	60	HP	--	--	--	--	--
394	3808	Belt Loader	Electric	2001	60	HP	--	--	--	--	--
395	9195	Aircraft Tug	Electric	2003	110	HP	--	--	--	--	--
396	9285	Baggage Tug	Gasoline	2003	202	HP	886	0.95	5.37	207	1,166
397	9286	Baggage Tug	Gasoline	2003	202	HP	886	0.95	5.37	207	1,166
398	13459	Forklift	Electric	2008	52	HP	--	--	--	--	--
399	22093	Ground Power Unit	Diesel	2015	155	HP	548	0.14	1.15	9	72
400	23776	Service Truck	Gasoline	2016	297	HP	338	0.19	0.57	9	25
401	24802	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--
402	24803	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--
403	24804	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--
404	24805	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--
405	24806	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--
406	24807	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--
407	24808	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--
408	24809	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--
409	24810	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--
410	24811	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--
411	24815	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--
412	24818	Baggage Tug	Electric	2017	40	HP	--	--	--	--	--
413	25108	Passenger Stand	Gasoline	2017	49	HP	183	3.59	2.86	42	33
414	26305	Passenger Stand	Gasoline	2018	49	HP	189	3.51	2.79	42	34
415	26686	Forklift	LPG	2018	52	HP	722	0.38	0.25	9	6
416	29595	Baggage Tug	Electric	2019	40	HP	--	--	--	--	--
417	29598	Belt Loader	Electric	2019	60	HP	--	--	--	--	--
418	29599	Belt Loader	Electric	2019	60	HP	--	--	--	--	--
419	29832	Lavatory Truck	Gasoline	2019	100	HP	1221	0.20	0.61	13	41
420	29833	Lavatory Truck	Gasoline	2019	100	HP	1221	0.20	0.61	13	41
421	31533	Belt Loader	Electric	2021	60	HP	--	--	--	--	--
422	3789	Aircraft Tug	Electric	1988	140	HP	--	--	--	--	--
423	2305	Aircraft Tug	Electric	2001	110	HP	--	--	--	--	--
424	22493	Air Start Unit	Diesel	2015	333	HP	84	0.07	0.78	1	15
425	2306	Aircraft Tug	Electric	2001	110	HP	--	--	--	--	--
426	10481	Cargo Tractor	Electric	2004	19	HP	--	--	--	--	--
427	13504	Forklift	LPG	2008	52	HP	374	1.52	0.95	20	12
428	2307	Aircraft Tug	Electric	2001	110	HP	--	--	--	--	--
429	35284	Forklift	LPG	2023	51	HP	728	0.21	0.14	5	3
430	35761	Cargo Tractor	Electric	2023	11	HP	--	--	--	--	--

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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
431	15005	Sweeper	LPG	2010	75	HP	365	0.38	0.26	12	8
432	29933	Golf Cart	Electric	2019	7	HP	--	--	--	--	--
433	3803	Golf Cart	Electric	2000	10	HP	--	--	--	--	--
434	45359	Aircraft Tug	Electric	2025	42	HP	--	--	--	--	--
435	45360	Aircraft Tug	Electric	2025	42	HP	--	--	--	--	--
436	45361	Aircraft Tug	Electric	2025	42	HP	--	--	--	--	--
437	45362	Aircraft Tug	Electric	2025	42	HP	--	--	--	--	--
438	45363	Aircraft Tug	Electric	2025	42	HP	--	--	--	--	--
439	21888	Aircraft Tug	Diesel	2015	74	HP	41	0.22	2.68	1	10
440	20431	Deicer	Gasoline	2013	21	HP	26	3.65	2.37	4	3
441	26351	Service Truck	Gasoline	2019	320	HP	628	0.17	0.45	15	40
442	45391	Forklift	Electric	2025	48	V	--	--	--	--	--
443	45392	Forklift	Electric	2025	48	V	--	--	--	--	--
444	45394	Forklift	Electric	2025	48	V	--	--	--	--	--
445	14992	Deicer	Gasoline	2010	21	HP	28	3.80	2.46	5	3
446	172034	Baggage Tug	Diesel	2007	86	HP	80	0.27	3.63	2	20
447	172185	Baggage Tug	Diesel	2009	42	HP	405	0.35	4.27	5	59
448	172186	Baggage Tug	Diesel	2009	42	HP	328	0.35	4.27	4	48
449	172195	Baggage Tug	Diesel	2014	49	HP	138	0.19	3.21	1	18
450	172196	Baggage Tug	Diesel	2014	49	HP	397	0.34	3.42	5	54
451	270060	Aircraft Tug	Diesel	2007	100	HP	284	0.30	2.94	10	98
452	270856	Aircraft Tug	Diesel	2018	74	HP	200	0.16	2.67	3	47
453	522277	Belt Loader	Diesel	2015	49	HP	602	0.35	3.27	8	71
454	522283	Belt Loader	Diesel	2015	49	HP	108	0.17	3.03	1	12
455	522656	Belt Loader	Diesel	2007	65	HP	251	0.37	4.15	4	50
456	522658	Belt Loader	Diesel	2006	65	HP	447	0.51	4.80	11	103
457	AS145582	Air Start Unit	Diesel	2019	450	HP	29	0.06	0.13	1	1
458	BL570251	Belt Loader	Gasoline	2018	87	HP	905	0.23	0.57	20	50
459	BL570253	Belt Loader	Gasoline	2017	87	HP	872	0.25	0.62	21	52
460	BL570349	Belt Loader	Gasoline	2022	86	HP	726	0.10	0.25	7	17
461	BL570374	Belt Loader	Gasoline	2022	62	HP	80	0.03	0.02	0	0
462	BT176023	Baggage Tug	Gasoline	2020	61	HP	223	0.09	0.07	2	1
463	BT176024	Baggage Tug	Gasoline	2020	61	HP	113	0.05	0.04	0	0
464	BT176025	Baggage Tug	Gasoline	2020	61	HP	250	0.10	0.08	2	1
465	BT176149	Baggage Tug	Gasoline	2022	61	HP	499	0.13	0.10	5	4
466	BT176150	Baggage Tug	Gasoline	2022	61	HP	18	0.02	0.01	0	0
467	BT176163	Baggage Tug	Gasoline	2023	64	HP	473	0.10	0.08	4	3
468	BT176164	Baggage Tug	Gasoline	2023	86	HP	458	0.06	0.14	3	7
469	BT176165	Baggage Tug	Gasoline	2023	64	HP	488	0.10	0.08	4	3
470	CV600395	Service Truck	Gasoline	2016	282	HP	--	N/A (On-Road)	N/A (On-Road)	--	--
471	GP901943	Ground Power Unit	Diesel	2022	154	HP	356	0.08	0.16	3	6
472	LT480242	Lavatory Truck	Diesel	2022	65	HP	0	0.12	2.62	0	0
473	PB271189	Aircraft Tug	Diesel	2023	74	HP	207	0.14	2.64	2	48

Table 2. 2025 GSE Emissions
Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
474	PB271205	Aircraft Tug	Diesel	2024	74	HP	58	0.12	2.62	1	13
475	522357	Belt Loader	Diesel	2014	49	HP	80	0.16	3.17	0	9
476	270889	Aircraft Tug	Diesel	2019	75	HP	168	0.07	1.42	1	21
477	AC5276	Air Conditioner	Gasoline	2018	250	HP	41	0.12	0.15	2	3
478	AS1011	Air Start Unit	Diesel	2018	493	HP	68	0.07	0.13	2	3
479	BL3086	Belt Loader	Electric	2018	40	HP	--	--	--	--	--
480	BL3087	Belt Loader	Electric	2018	40	HP	--	--	--	--	--
481	BL3088	Belt Loader	Electric	2004	30	HP	--	--	--	--	--
482	BL3089	Belt Loader	Electric	2005	30	HP	--	--	--	--	--
483	CT2265	Cargo Tractor	Electric	2018	40	HP	--	--	--	--	--
484	CT2266	Cargo Tractor	Electric	2018	40	HP	--	--	--	--	--
485	CT2267	Cargo Tractor	Electric	2018	40	HP	--	--	--	--	--
486	CT2271	Cargo Tractor	Electric	2018	40	HP	--	--	--	--	--
487	GP1927	Ground Power Unit	Diesel	2018	110	HP	803	0.15	0.98	10	64
488	LC022154	Lavatory Cart	Gasoline	2018	7	HP	91	4.16	2.70	3	2
489	LC363368	Lavatory Cart	Gasoline	2004	7	HP	183	20.91	16.44	29	23
490	PT0862	Aircraft Tug	Electric	2018	40	HP	--	--	--	--	--
491	PT0863	Aircraft Tug	Electric	2018	40	HP	--	--	--	--	--
492	VC0056	Service Truck	Gasoline	2018	250	HP	409	0.18	0.48	8	22
493	WC022103	Water Truck	Electric	2018	25	HP	--	--	--	--	--
494	PT1410	Aircraft Tug	Electric	2024	40	HP	--	--	--	--	--
495	419215	Air Start Unit	Diesel	2021	535	HP	11	0.06	0.13	0	1
496	425145	Belt Loader	Electric	2023			--	--	--	--	--
497	425146	Belt Loader	Electric	2023			--	--	--	--	--
498	425147	Belt Loader	Electric	2023			--	--	--	--	--
499	425148	Belt Loader	Electric	2023			--	--	--	--	--
500	425149	Belt Loader	Electric	2023			--	--	--	--	--
501	410593	Service Truck	Gasoline	2016	153	HP	122	0.19	0.56	2	5
502	410594	Service Truck	Gasoline	2016	153	HP	122	0.19	0.56	2	5
503	414608	Service Truck	Gasoline	2018	153	HP	122	0.17	0.47	1	4
504	414609	Service Truck	Gasoline	2018	153	HP	122	0.17	0.47	1	4
505	415797	Service Truck	Gasoline	2019	153	HP	122	0.17	0.42	1	3
506	422768	Service Truck	Gasoline	2023	153	HP	122	0.14	0.23	1	2
507	422769	Service Truck	Gasoline	2023	153	HP	--	N/A (On-Road)	N/A (On-Road)	--	--
508	415885	Cargo Loader	Gasoline	2019	362	HP	71	0.15	0.30	4	8
509	419245	Cargo Loader	Diesel	2020	140	HP	71	0.09	0.55	1	4
510	419247	Cargo Loader	Diesel	2020	140	HP	71	0.09	0.55	1	4
511	423797	Cargo Loader	Diesel	2022	140	HP	71	0.08	0.16	1	1
512	423819	Cargo Loader	Diesel	2022	140	HP	71	0.08	0.16	1	1
513	423821	Cargo Loader	Diesel	2022	140	HP	71	0.08	0.16	1	1
514	422984	Cargo Tractor	Gasoline	2023	61	HP	196	0.19	0.14	3	2
515	422985	Cargo Tractor	Gasoline	2023	61	HP	196	0.19	0.14	3	2
516	422986	Cargo Tractor	Gasoline	2023	61	HP	196	0.19	0.14	3	2

Table 2. 2025 GSE Emissions
Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
517	422987	Cargo Tractor	Gasoline	2023	61	HP	196	0.19	0.14	3	2
518	422988	Cargo Tractor	Gasoline	2023	61	HP	196	0.19	0.14	3	2
519	422989	Cargo Tractor	Gasoline	2023	61	HP	196	0.19	0.14	3	2
520	422990	Cargo Tractor	Gasoline	2023	61	HP	196	0.19	0.14	3	2
521	422991	Cargo Tractor	Gasoline	2023	61	HP	196	0.19	0.14	3	2
522	422992	Cargo Tractor	Gasoline	2023	61	HP	196	0.19	0.14	3	2
523	422995	Cargo Tractor	Electric	2022			--	--	--	--	--
524	423081	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
525	423082	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
526	423083	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
527	423084	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
528	423085	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
529	423086	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
530	423087	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
531	423088	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
532	423089	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
533	423090	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
534	423091	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
535	423092	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
536	423093	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
537	423094	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
538	423095	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
539	423096	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
540	423102	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
541	423103	Cargo Tractor	Gasoline	2022	61	HP	196	0.27	0.21	4	3
542	423123	Cargo Tractor	Electric	2022			--	--	--	--	--
543	423124	Cargo Tractor	Electric	2022			--	--	--	--	--
544	423125	Cargo Tractor	Electric	2022			--	--	--	--	--
545	423126	Cargo Tractor	Electric	2022			--	--	--	--	--
546	423127	Cargo Tractor	Electric	2022			--	--	--	--	--
547	423128	Cargo Tractor	Electric	2022			--	--	--	--	--
548	423129	Cargo Tractor	Electric	2022			--	--	--	--	--
549	423130	Cargo Tractor	Electric	2022			--	--	--	--	--
550	425062	Cargo Tractor	Electric	2023			--	--	--	--	--
551	425063	Cargo Tractor	Electric	2023			--	--	--	--	--
552	425064	Cargo Tractor	Electric	2023			--	--	--	--	--
553	425065	Cargo Tractor	Electric	2023			--	--	--	--	--
554	425066	Cargo Tractor	Electric	2023			--	--	--	--	--
555	425067	Cargo Tractor	Electric	2023			--	--	--	--	--
556	425068	Cargo Tractor	Electric	2023			--	--	--	--	--
557	425069	Cargo Tractor	Electric	2023			--	--	--	--	--
558	425070	Cargo Tractor	Electric	2023			--	--	--	--	--
559	425071	Cargo Tractor	Electric	2023			--	--	--	--	--

Table 2. 2025 GSE Emissions
Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
560	425072	Cargo Tractor	Electric	2023			--	--	--	--	--
561	425073	Cargo Tractor	Electric	2023			--	--	--	--	--
562	425074	Cargo Tractor	Electric	2023			--	--	--	--	--
563	425075	Cargo Tractor	Electric	2023			--	--	--	--	--
564	423749	Ground Power Unit	Diesel	2022	155	HP	115	0.09	0.16	1	2
565	423745	Ground Power Unit	Diesel	2022	155	HP	115	0.09	0.16	1	2
566	424741	Ground Power Unit	Diesel	2022	155	HP	115	0.09	0.16	1	2
567	419170	Ground Power Unit	Diesel	2020	155	HP	116	0.11	0.56	2	7
568	419375	Ground Power Unit	Diesel	2020	155	HP	116	0.11	0.56	2	7
569	419171	Ground Power Unit	Diesel	2020	155	HP	116	0.11	0.56	2	7
570	834895	Other GSE	Diesel	2010	12	HP	72	0.35	3.89	0	2
571	835727	Other GSE	Diesel	2012	12	HP	72	0.35	3.64	0	2
572	410564	Service Truck	Gasoline	2016	285	HP	122	0.19	0.56	3	9
573	426338	Service Truck	Gasoline	2024	310	HP	122	0.13	0.19	2	3
574	426339	Service Truck	Gasoline	2024	310	HP	122	0.13	0.19	2	3
575	424272	Service Truck	Gasoline	2024	310	HP	122	0.13	0.19	2	3
576	424271	Service Truck	Gasoline	2024	310	HP	122	0.13	0.19	2	3
577	424995	Aircraft Tug	Diesel	2023	250	HP	49	0.07	0.12	1	2
578	423165	Service Truck	Gasoline	2022	285	HP	123	0.14	0.28	2	4
579	423166	Service Truck	Gasoline	2022	285	HP	123	0.14	0.28	2	4
580	423167	Service Truck	Gasoline	2022	285	HP	123	0.14	0.28	2	4
581	423168	Service Truck	Gasoline	2022	285	HP	123	0.14	0.28	2	4
582	423169	Service Truck	Gasoline	2022	285	HP	123	0.14	0.28	2	4
583	423171	Service Truck	Gasoline	2022	285	HP	123	0.14	0.28	2	4
584	423172	Service Truck	Gasoline	2022	285	HP	123	0.14	0.28	2	4
585	423174	Service Truck	Gasoline	2022	285	HP	123	0.14	0.28	2	4
586	423175	Service Truck	Gasoline	2022	285	HP	123	0.14	0.28	2	4
587	419320	Service Truck	Gasoline	2020	385	HP	122	0.16	0.37	3	8
588	419324	Service Truck	Gasoline	2020	385	HP	122	0.16	0.37	3	8
589	419351	Service Truck	Gasoline	2020	385	HP	122	0.16	0.37	3	8
590	419352	Service Truck	Gasoline	2020	385	HP	122	0.16	0.37	3	8
591	422300	Service Truck	Gasoline	2022	401	HP	123	0.14	0.28	3	6
592	422882	Service Truck	Gasoline	2022	401	HP	123	0.14	0.28	3	6
593	7685	Cargo Tractor	Gasoline	2021	61	HP	174	0.36	0.27	4	3
594	9705	Cargo Tractor	Gasoline	2018	42	HP	174	9.17	7.11	80	62
595	9717	Cargo Tractor	Gasoline	2010	42	HP	174	25.79	15.84	225	138
596	9720	Cargo Tractor	Gasoline	2018	42	HP	174	9.17	7.11	80	62
597	9740	Cargo Tractor	Gasoline	2025	61	HP	174	0.02	0.02	0	0
598	302276	Cargo Tractor	Gasoline	2010	42	HP	174	25.79	15.84	225	138
599	392786	Cargo Tractor	Gasoline	2010	42	HP	174	25.79	15.84	225	138
600	393598	Cargo Tractor	Gasoline	2010	42	HP	174	25.79	15.84	225	138
601	394196	Cargo Tractor	Gasoline	2019	42	HP	174	8.23	6.39	72	56
602	394211	Cargo Tractor	Gasoline	2019	42	HP	174	8.23	6.39	72	56

Table 2. 2025 GSE Emissions
Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
603	413401	Cargo Tractor	Gasoline	2017	84	HP	174	0.32	0.78	6	14
604	418883	Cargo Tractor	Gasoline	2021	61	HP	174	0.36	0.27	4	3
605	419499	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4
606	422977	Cargo Tractor	Gasoline	2023	61	HP	174	0.19	0.14	2	2
607	458270	Cargo Tractor	Gasoline	2018	42	HP	174	9.17	7.11	80	62
608	830999	Cargo Tractor	Gasoline	2024	61	HP	174	0.11	0.08	1	1
609	415846	Cargo Loader	Diesel	2019	140	HP	63	0.10	0.75	1	5
610	423798	Cargo Loader	Diesel	2021	140	HP	63	0.09	0.35	1	2
611	423799	Cargo Loader	Diesel	2021	140	HP	63	0.09	0.35	1	2
612	424934	Cargo Loader	Diesel	2022	140	HP	63	0.08	0.16	1	1
613	422790	Belt Loader	Gasoline	2022	84	HP	105	0.09	0.22	1	2
614	412069	Ground Power Unit	Diesel	2024	155	HP	103	0.07	0.12	1	1
615	414723	Ground Power Unit	Diesel	2018	155	HP	103	0.14	0.97	2	12
616	414725	Ground Power Unit	Diesel	2018	155	HP	103	0.14	0.97	2	12
617	416178	Ground Power Unit	Diesel	2019	155	HP	100	0.12	0.76	1	9
618	838006	Ground Power Unit	Diesel	2014	155	HP	71	0.26	1.92	2	16
619	426501	Air Start Unit	Diesel	2025	535	HP	9	0.06	0.13	0	0
620	833138	Other GSE	Diesel	2008	12	HP	64	0.35	3.94	0	2
621	48292	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4
622	48293	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4
623	48299	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4
624	48300	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4
625	48302	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4
626	833914	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4
627	833915	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4
628	833916	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4
629	833917	Cargo Tractor	Gasoline	2021	61	HP	174	0.36	0.27	4	3
630	833918	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4
631	833919	Cargo Tractor	Gasoline	2021	61	HP	174	0.36	0.27	4	3
632	415908	Cargo Tractor	Gasoline	2019	61	HP	174	0.52	0.40	7	5
633	415910	Cargo Tractor	Gasoline	2024	61	HP	174	0.11	0.08	1	1
634	418884	Cargo Tractor	Gasoline	2021	61	HP	174	0.36	0.27	4	3
635	423946	Service Truck	Gasoline	2024	401	HP	108	0.13	0.19	2	4
636	425029	Service Truck	Gasoline	2024	401	HP	108	0.13	0.19	2	4
637	425034	Service Truck	Gasoline	2024	401	HP	108	0.13	0.19	2	4
638	425035	Service Truck	Gasoline	2024	401	HP	108	0.13	0.19	2	4
639	425036	Service Truck	Gasoline	2024	401	HP	108	0.13	0.19	2	4
640	425491	Service Truck	Gasoline	2024	401	HP	108	0.13	0.19	2	4
641	837661	Service Truck	Gasoline	2015	285	HP	108	0.20	0.60	3	8
642	425740	Service Truck	Gasoline	2023	175	HP	108	0.14	0.23	1	2
643	426331	Service Truck	Gasoline	2024	140	HP	108	0.13	0.19	1	1
644	419493	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4
645	419494	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4

Table 2. 2025 GSE Emissions

Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	Annual Usage ¹ (hrs)	ROG EF ^{2,3} (g/bhp-hr)	NOx EF ^{2,3} (g/bhp-hr)	ROG Emissions (lbs/year)	NOx Emissions (lbs/year)
646	674929	Service Truck	Gasoline	2011	345	HP	108	0.21	0.69	4	11
647	419140	Forklift	Diesel	2020	164	HP	51	0.09	0.55	0	2
648	838002	Forklift	Gasoline	2015	90	HP	94	0.24	0.58	1	3
649	419496	Cargo Tractor	Gasoline	2020	61	HP	174	0.44	0.33	6	4
Annual Emissions (lbs)										19,195	43,879
Daily Emissions ⁴ (lb/day)										53	120

Conversion Factors:

- 0.9198 Gasoline ROG/HC Ratio derived from OFFROAD2017
- 1.2997 Diesel ROG/HC Ratio derived from OFFROAD2017

Constants:

- 365 days/year

Notes:

¹ Unit-specific activity reported by tenants were used where available. If tenant-specific activity was not provided, GSE annual usage hours were calculated using activity from the OFFROAD2017 database for CY 2025 in absence of tenant-specific information. Years prior to CY 2025 were used if an exact match in equipment type, fuel type, engine model year, and HP bin was not available. GSE load factors from CARB and SCAQMD guidance are utilized instead of equipment-specific load factors. Activity for units that arrive or depart the airport in 2025 was calculated based on tenant-specific activity if provided, or a prorated default OFFROAD activity based on the period of time the unit is located on-site.

² Model year-specific emission factors and GSE load factors for diesel-fueled equipment were derived from CARB's 2017 Off-Road Diesel Emission Factors. For gasoline-fueled equipment, model year-specific HC and NOx emission factors were calculated based on new engine standards for spark-ignited engines. Gasoline-fueled and diesel-fueled emission factors were calculated by summing the zero-hour pollutant emission factor with the product of the deterioration rate and cumulative hours and multiplying by the fuel correction factor, following the methodology presented in Attachment A of Facility-Based Mobile Source Measure for Commercial Airports Appendix B: Sip Credit Calculations. Available at: <https://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/facility-based-mobile-source-measures/airports-final-appendix-b.pdf?sfvrsn=6>. Engine accumulated hours were capped depending on fuel type and model-year (gasoline) or HP (diesel). Model year-specific gasoline-fueled emission factor constants and engine load factors were provided by AQMD. Gasoline-fueled emission factor constants were provided up to a HP bin of 300; therefore, units with a HP greater than 300 HP were quantified using the 300 HP bin constants. Gasoline-fueled emission factor constants for the 50 HP bin were provided based on engine displacement; however since engine displacement information was not available, the maximum emission factor constants were selected. HC emission factors were converted to ROG emission factors by multiplying by a gasoline ROG to HC ratio, derived from OFFROAD 2017. Electric vehicles are assigned an EF of 0. Emissions are calculated by multiplying the respective EFs by the equipment horsepower, load factor and hours of usage in 2025 and converted to an average daily emission rate assuming 365 days of operation.

³ Equipment IDs 1, 2, 56, 99, MXT01, CV-02, CV600395, and 422769 are designated and licensed for on-road use. Therefore, emissions from these units were not included in the inventory. Some of these units do not have a power rating listed per the GSE operator.

^a The CARB LSI regulation's definition for airport GSE does not include those categories of GSE equipment that are designated and licensed for on-road use. These pieces of equipment are not subject to the requirements of the LSI regulation. Available at: <https://ww2.arb.ca.gov/sites/default/files/classic/msprog/offroad/orspark/faqs/lsifaqagse.pdf>. Accessed: April 2026.

⁴ Daily emissions are calculated assuming operation 365 days of the year.

⁵ Activity for Unit #s 495 through 649 was prorated to represent seasonal activity for an off-Airport operator that operates GSE temporarily during the peak holiday season on Airport property. Activity for Unit #s 495 through 592 includes an additional week of seasonal activity occurring through early January from the prior 2024 holiday season.

Table 3. 2025 GSE Fleet Average Emission Factor

Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
1	ATI601	Air Conditioner	Diesel	1998	100	HP	7.96
2	GS3384	Lift	Gasoline	2018	75	HP	2.47
3	JLG600AJ	Lift	Gasoline	2018	84	HP	2.47
4	GS4390	Lift	Gasoline	2013	75	HP	2.75
5	MXI7020	Forklift	Propane	2023	55	HP	2.19
6	MX16615	Golf Cart	Electric	2020	4	HP	--
7	TM2602-721798	Golf Cart	Electric	2025	4	HP	--
8	TM2612-736613	Golf Cart	Electric	2025	4	HP	--
9	3040303	Golf Cart	Electric	2017	4	HP	--
10	7991	Golf Cart	Electric	2017	7	HP	--
11	558	Baggage Tug	Gasoline	1995	107	HP	10.12
12	607	Baggage Tug	Gasoline	1997	107	HP	11.50
13	854	Baggage Tug	Gasoline	1997	107	HP	11.50
14	855	Baggage Tug	Gasoline	1997	107	HP	11.50
15	856	Baggage Tug	Gasoline	1996	107	HP	13.47
16	1803	Belt Loader	Gasoline	2001	100	HP	10.61
17	1874	Belt Loader	Gasoline	2001	100	HP	10.61
18	3132	Baggage Tug	Gasoline	2003	107	HP	13.80
19	3622	Aircraft Tug	Diesel	2007	100	HP	3.83
20	3638	Belt Loader	Gasoline	2007	100	HP	1.70
21	5380	Ground Power Unit	Diesel	2016	175	HP	0.27
22	5423	Air Start Unit	Diesel	2016	425	HP	0.87
23	5603	Baggage Tug	Gasoline	2016	107	HP	1.24
24	5646	Baggage Tug	Gasoline	2016	107	HP	1.24
25	6150	Belt Loader	Gasoline	2016	100	HP	3.29
26	6151	Belt Loader	Gasoline	2016	100	HP	3.29
27	6532	Aircraft Tug	Diesel	2017	100	HP	0.27
28	1920	Passenger Stand	Gasoline	2000	107	HP	17.19
29	1718	Other GSE	Gasoline	2000	230	HP	6.50
30	3629	Other GSE	Gasoline	2001	190	HP	6.50
31	3045	Lavatory Cart	Gasoline	2021	4	HP	N/A (< 25 HP)
32	3484	Lavatory Cart	Gasoline	2021	4	HP	N/A (< 25 HP)
33	11021	Baggage Tug	Gasoline	2025	86	HP	2.12
34	11022	Baggage Tug	Gasoline	2025	86	HP	2.12
35	18897	Aircraft Tug	Diesel	1999	87	HP	7.63
36	64573	Air Start Unit	Diesel	2017	380	HP	0.24
37	LD576	Belt Loader	Diesel	1993	45	HP	7.58
38	LD669	Belt Loader	Diesel	2000	45	HP	6.44
39	LG200	Belt Loader	Gasoline	2012	93	HP	3.79
40	LG248	Belt Loader	Gasoline	1997	93	HP	3.65
41	PS262	Aircraft Tug	Diesel	1999	87	HP	7.63
42	PS340	Aircraft Tug	Diesel	1999	87	HP	7.63
43	SM053	Lavatory Cart	Gasoline	2006	6	HP	N/A (< 25 HP)

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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
44	SN306	Passenger Stand	Gasoline	2015	8	HP	N/A (< 25 HP)
45	TM302	Cargo Tractor	Gasoline	1990	93	HP	13.06
46	TR280	Cargo Tractor	Diesel	2007	65	HP	5.59
47	TR288	Cargo Tractor	Diesel	2007	65	HP	5.59
48	TT126	Cargo Tractor	Gasoline	1998	115	HP	20.95
49	TY850	Cargo Tractor	Gasoline	2001	95	HP	22.32
50	TY874	Cargo Tractor	Gasoline	1989	107	HP	15.79
51	TY876	Cargo Tractor	Gasoline	1991	93	HP	13.21
52	FE495	Service Truck	Gasoline	2015	275	HP	2.73
53	SM049	Lavatory Cart	Electric	2003			--
54	LG293	Belt Loader	Gasoline	2012	72	HP	3.79
55	TY1391	Cargo Tractor	Gasoline	2024	58	HP	2.42
56	TY1392	Cargo Tractor	Gasoline	2024	58	HP	2.42
57	TY1393	Cargo Tractor	Gasoline	2024	58	HP	2.42
58	TY1394	Cargo Tractor	Gasoline	2024	58	HP	2.42
59	TY1395	Cargo Tractor	Gasoline	2024	58	HP	2.42
60	TY1396	Cargo Tractor	Gasoline	2024	58	HP	2.42
61	TY1397	Cargo Tractor	Gasoline	2024	58	HP	2.42
62	TY1398	Cargo Tractor	Gasoline	2024	58	HP	2.42
63	SM086	Lavatory Cart	Gasoline	2023	1	HP	N/A (< 25 HP)
64	PT125	Aircraft Tug	Diesel	2015	74	HP	1.38
65	PT124	Aircraft Tug	Diesel	2015	74	HP	1.38
66	22550	Aircraft Tug	Diesel	2015	74	HP	1.38
67	FG 25ST11	Forklift	LPG	2008	34	HP	2.72
68	6662 (RENTAL)	Lift	ELECTRIC	2023	7	HP	--
69	2	Vehicle	GASOLINE	2022	162	HP	N/A (On-Road)
70	1	Vehicle	GASOLINE	2022	162	HP	N/A (On-Road)
71	56	Vehicle	GASOLINE	2005	300	HP	N/A (On-Road)
72	1932ME	Lift	ELECTRIC	2024	3	HP	--
73	99	Vehicle	GASOLINE	2014	283	HP	N/A (On-Road)
74	27378	Aircraft Tug	Diesel	2002	140	HP	7.63
75	48318	Lavatory Truck	Gasoline	2000	300	HP	3.30
76	57081	Belt Loader	Electric	2006	11	HP	--
77	57082	Belt Loader	Electric	2006	11	HP	--
78	57083	Belt Loader	Electric	2006	11	HP	--
79	750020	Passenger Stand	Gasoline	2001	9	HP	N/A (< 25 HP)
80	770047	Baggage Tug	Electric	2005	60	HP	--
81	770315	Baggage Tug	Electric	2010	40	HP	--
82	770317	Baggage Tug	Electric	2010	40	HP	--
83	770318	Baggage Tug	Electric	2010	40	HP	--
84	770324	Baggage Tug	Electric	2011	40	HP	--
85	770325	Baggage Tug	Electric	2011	40	HP	--
86	770326	Baggage Tug	Electric	2011	40	HP	--

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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
87	770328	Baggage Tug	Electric	2011	25	HP	--
88	780048	Passenger Stand	Gasoline	2022	61	HP	2.15
89	271007	Aircraft Tug	Diesel	2017	74	HP	1.37
90	14643	Air Start Unit	Diesel	2023	513	HP	0.14
91	570193	Belt Loader	Electric	2021	11	HP	--
92	570495	Belt Loader	Electric	2021	11	HP	--
93	900959	Ground Power Unit	Diesel	2017	155	HP	0.27
94	22851	Air Start Unit	Diesel	2009	630	HP	N/A (Low-Use)
95	23194	Cargo Tractor	LPG	2009	75	HP	1.59
96	23846	Lift	Gasoline	2009	24	HP	N/A (< 25 HP)
97	28407	Other GSE	Gasoline	2011	13	HP	N/A (< 25 HP)
98	33036	Cargo Loader	Diesel	2010	110	HP	2.53
99	45739	Cargo Loader	Diesel	2018	74	HP	0.54
100	47377	Other GSE	Gasoline	2012	51	HP	3.07
101	47508	Other GSE	Gasoline	2012	51	HP	3.07
102	48138	Cargo Loader	Diesel	2019	130	HP	0.27
103	48153	Cargo Loader	Diesel	2019	74	HP	1.38
104	69592	Cargo Tractor	Gasoline	2008	75	HP	5.91
105	69593	Cargo Tractor	Gasoline	2008	75	HP	5.91
106	69594	Cargo Tractor	Gasoline	2008	75	HP	5.91
107	69595	Cargo Tractor	Gasoline	2008	75	HP	5.91
108	500955	Belt Loader	Gasoline	2013	13	HP	N/A (< 25 HP)
109	500963	Belt Loader	Gasoline	2013	13	HP	N/A (< 25 HP)
110	502544	Lift	Electric	2014	24	HP	--
111	502925	Forklift	Electric	2014	36	HP	--
112	506513	Cargo Tractor	Electric	2015	80	HP	--
113	506514	Cargo Tractor	Electric	2015	80	HP	--
114	506515	Cargo Tractor	Electric	2015	80	HP	--
115	506516	Cargo Tractor	Electric	2015	80	HP	--
116	512014	Other GSE	Gasoline	2017	13	HP	N/A (< 25 HP)
117	512015	Other GSE	Gasoline	2017	13	HP	N/A (< 25 HP)
118	512639	Cargo Loader	Diesel	2017	74	HP	1.40
119	518553	Ground Power Unit	Diesel	2018	155	HP	0.27
120	518713	Cargo Loader	Diesel	2019	74	HP	1.38
121	518715	Cargo Loader	Diesel	2019	74	HP	1.38
122	518716	Cargo Loader	Diesel	2019	74	HP	1.38
123	518838	Cargo Tractor	Gasoline	2019	86	HP	3.51
124	518839	Cargo Tractor	Gasoline	2019	86	HP	3.51
125	518840	Cargo Tractor	Gasoline	2019	86	HP	3.51
126	518841	Cargo Tractor	Gasoline	2019	86	HP	3.51
127	518842	Cargo Tractor	Gasoline	2019	86	HP	3.51
128	518843	Cargo Tractor	Gasoline	2019	86	HP	3.51
129	518889	Cargo Tractor	Gasoline	2019	61	HP	3.51

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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
130	518893	Cargo Tractor	Gasoline	2019	61	HP	3.51
131	518894	Cargo Tractor	Gasoline	2019	61	HP	3.51
132	518896	Cargo Tractor	Gasoline	2019	61	HP	3.51
133	518903	Cargo Tractor	Gasoline	2019	61	HP	3.51
134	518908	Cargo Tractor	Gasoline	2019	61	HP	3.51
135	518909	Cargo Tractor	Gasoline	2019	61	HP	3.51
136	518913	Cargo Tractor	Gasoline	2019	61	HP	4.94
137	518914	Cargo Tractor	Gasoline	2019	61	HP	4.94
138	520811	Belt Loader	Gasoline	2019	19	HP	N/A (< 25 HP)
139	522891	Ground Power Unit	Diesel	2021	155	HP	0.26
140	522892	Ground Power Unit	Diesel	2021	155	HP	0.26
141	525515	Other GSE	Electric	2022	15	HP	--
142	525516	Other GSE	Electric	2022	15	HP	--
143	525517	Other GSE	Electric	2022	15	HP	--
144	525518	Other GSE	Electric	2022	15	HP	--
145	525976	Ground Power Unit	Diesel	2022	154	HP	0.26
146	525980	Ground Power Unit	Diesel	2022	154	HP	0.26
147	504698	Air Conditioner	Diesel	2011	130	HP	2.53
148	63489	Air Conditioner	Diesel	2006	130	HP	4.78
149	25280	Air Start Unit	Diesel	2011	679	HP	1.72
150	41260	Aircraft Tug	Diesel	2015	300	HP	0.27
151	22844	Aircraft Tug	Diesel	2008	200	HP	2.48
152	507153	Aircraft Tug	Diesel	2015	290	HP	0.27
153	22856	Aircraft Tug	Diesel	2008	200	HP	2.48
154	57089	Belt Loader	Electric	2004	80	HP	--
155	57090	Belt Loader	Electric	2004	80	HP	--
156	57091	Belt Loader	Electric	2004	80	HP	--
157	57092	Belt Loader	Electric	2004	80	HP	--
158	57095	Belt Loader	Electric	2004	80	HP	--
159	507145	Belt Loader	Gasoline	2015	80	HP	3.43
160	57096	Belt Loader	Electric	2004	80	HP	--
161	507146	Belt Loader	Gasoline	2015	80	HP	3.43
162	40926	Cargo Loader	Diesel	2011	110	HP	2.52
163	52236	Cargo Loader	Diesel	2011	160	HP	2.52
164	508187	Cargo Loader	Diesel	2011	160	HP	2.52
165	40962	Cargo Loader	Diesel	2011	110	HP	2.52
166	40991	Cargo Loader	Diesel	2011	110	HP	2.52
167	44109	Cargo Loader	Diesel	2011	110	HP	2.52
168	45732	Cargo Loader	Diesel	2011	110	HP	2.52
169	514160	Cargo Loader	Diesel	2018	160	HP	0.56
170	55575	Cargo Loader	Diesel	2011	110	HP	2.52
171	46601	Cargo Loader	Diesel	2013	110	HP	2.31
172	69587	Cargo Tractor	Gasoline	2008	75	HP	5.91

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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
173	69588	Cargo Tractor	Gasoline	2008	75	HP	5.91
174	506404	Cargo Tractor	Gasoline	2015	86	HP	4.39
175	25116	Cargo Tractor	Gasoline	2010	75	HP	5.48
176	69589	Cargo Tractor	Gasoline	2008	75	HP	5.91
177	23238	Cargo Tractor	Gasoline	2010	80	HP	5.48
178	506405	Cargo Tractor	Gasoline	2015	86	HP	4.39
179	25117	Cargo Tractor	Gasoline	2010	75	HP	5.48
180	507526	Cargo Tractor	Gasoline	2016	86	HP	4.17
181	25118	Cargo Tractor	Gasoline	2010	75	HP	5.48
182	23239	Cargo Tractor	Gasoline	2010	80	HP	5.48
183	507527	Cargo Tractor	Gasoline	2016	86	HP	4.17
184	512137	Cargo Tractor	Gasoline	2017	86	HP	3.95
185	507528	Cargo Tractor	Gasoline	2016	86	HP	4.17
186	23240	Cargo Tractor	Gasoline	2010	80	HP	5.48
187	506406	Cargo Tractor	Gasoline	2015	86	HP	4.39
188	69590	Cargo Tractor	Gasoline	2008	75	HP	5.91
189	512138	Cargo Tractor	Gasoline	2017	86	HP	3.95
190	69591	Cargo Tractor	Gasoline	2008	75	HP	5.91
191	23241	Cargo Tractor	Gasoline	2010	80	HP	5.48
192	57117	Cargo Tractor	Gasoline	2004	65	HP	8.68
193	23202	Cargo Tractor	Gasoline	2009	75	HP	5.69
194	507529	Cargo Tractor	Gasoline	2016	86	HP	4.17
195	23243	Cargo Tractor	Gasoline	2010	80	HP	5.48
196	506407	Cargo Tractor	Gasoline	2015	86	HP	4.39
197	509689	Cargo Tractor	Gasoline	2016	86	HP	4.17
198	23244	Cargo Tractor	Gasoline	2010	80	HP	5.48
199	23204	Cargo Tractor	Gasoline	2009	75	HP	5.69
200	25293	Cargo Tractor	Gasoline	2011	79	HP	5.27
201	509690	Cargo Tractor	Gasoline	2016	86	HP	4.17
202	23245	Cargo Tractor	Gasoline	2010	80	HP	5.48
203	506408	Cargo Tractor	Gasoline	2015	86	HP	4.39
204	509691	Cargo Tractor	Gasoline	2016	86	HP	4.17
205	506412	Cargo Tractor	Gasoline	2015	86	HP	4.39
206	23246	Cargo Tractor	Gasoline	2010	80	HP	5.48
207	68115	Forklift	LPG	2007	57	HP	2.83
208	507425	Ground Power Unit	Diesel	2016	155	HP	1.14
209	63363	Service Truck	Diesel	2006	200	HP	2.90
210	602632	Other GSE	Gasoline	2015	88	HP	0.85
211	507151	Service Truck	Gasoline	2016	362	HP	0.85
212	507152	Service Truck	Gasoline	2016	293	HP	2.69
213	504622	Service Truck	Gasoline	2014	375	HP	0.95
214	53697	Aircraft Tug	Diesel	2021	300	HP	0.26
215	525616	Belt Loader	Gasoline	2022	80	HP	2.50

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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
216	56569	Other GSE	Diesel	2004	65	HP	6.13
217	523098	Other GSE	Diesel	2021	74	HP	1.37
218	12108	Cargo Loader	Diesel	2021	130	HP	1.08
219	62259	Cargo Loader	Diesel	2021	130	HP	1.08
220	525150	Cargo Loader	Diesel	2019	24	HP	N/A (< 25 HP)
221	525152	Cargo Loader	Diesel	2019	24	HP	N/A (< 25 HP)
222	526247	Cargo Loader	Diesel	2023	9	HP	N/A (< 25 HP)
223	69563	Cargo Tractor	Gasoline	2008	75	HP	5.91
224	69566	Cargo Tractor	Gasoline	2008	75	HP	5.91
225	69567	Cargo Tractor	Gasoline	2008	75	HP	5.91
226	69568	Cargo Tractor	Gasoline	2008	75	HP	5.91
227	69569	Cargo Tractor	Gasoline	2008	75	HP	5.91
228	524815	Forklift	LPG	2022	59	HP	2.27
229	524816	Forklift	LPG	2022	59	HP	2.27
230	524823	Other GSE	Diesel	2020	14	HP	N/A (< 25 HP)
231	524824	Other GSE	Diesel	2020	14	HP	N/A (< 25 HP)
232	531998	Forklift	Propane	2023	85	HP	2.19
233	517072	Other GSE	Electric	2018	72	V	--
234	55245	Cargo Tractor	Gasoline	2002	124	HP	17.27
235	529351	Cargo Loader	Diesel	2023	160	HP	0.26
236	507147	Air Start Unit	Diesel	2015	550	HP	0.88
237	504411	Forklift	Gasoline	2014	62	HP	5.70
238	528949	Golf Cart	Gasoline	2023	14	HP	N/A (< 25 HP)
239	532753	Other GSE	Gasoline	2022	20	HP	N/A (< 25 HP)
240	532764	Belt Loader	Electric	2025	31	HP	--
241	532765	Belt Loader	Electric	2025	31	HP	--
242	532766	Belt Loader	Electric	2025	31	HP	--
243	532927	Aircraft Tug	Diesel	2024	160	HP	1.09
244	JCT071	Service Truck	Gasoline	1998	145	HP	17.39
245	JCV194	Lift	Gasoline	2017	350	HP	0.18
246	A003491	Cargo Loader	Diesel	2018	100	HP	0.56
247	A009476	Other GSE	Diesel	2019	98	HP	0.26
248	A013302	Forklift	LPG	2005	62	HP	N/A (Low-Use)
249	A017195	Cargo Loader	Diesel	2007	100	HP	2.57
250	A017196	Cargo Loader	Diesel	2012	100	HP	2.32
251	A021342	Cargo Loader	Diesel	2011	100	HP	2.52
252	A025866	Other GSE	Diesel	2014	225	HP	0.28
253	A026991	Other GSE	Diesel	2010	240	HP	2.55
254	A027492	Other GSE	Diesel	2016	225	HP	0.27
255	A027693	Belt Loader	Diesel	2014	64	HP	2.58
256	A027731	Aircraft Tug	Diesel	2013	74	HP	2.52
257	A028333	Other GSE	Gasoline	2019	362	HP	1.67
258	A028384	Other GSE	Diesel	2019	225	HP	0.27

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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
259	A028411	Other GSE	Diesel	2018	260	HP	0.27
260	A028412	Other GSE	Diesel	2019	260	HP	0.27
261	A028486	Other GSE	Diesel	2019	260	HP	0.27
262	A028727	Baggage Tug	Gasoline	2019	61	HP	2.96
263	A028728	Baggage Tug	Gasoline	2019	61	HP	2.96
264	A028729	Baggage Tug	Gasoline	2019	61	HP	2.96
265	A028733	Belt Loader	Diesel	2018	74	HP	1.40
266	A029107	Ground Power Unit	Diesel	2016	155	HP	1.14
267	A029144	Cargo Loader	Diesel	2019	136	HP	0.27
268	A029156	Other GSE	Gasoline	2020	350	HP	1.63
269	A029297	Ground Power Unit	Diesel	2018	155	HP	0.27
270	A029298	Aircraft Tug	Diesel	2019	74	HP	1.36
271	A029299	Aircraft Tug	Diesel	2019	173	HP	0.26
272	A029325	Baggage Tug	Electric	2021	27	HP	--
273	A029326	Baggage Tug	Electric	2021	27	HP	--
274	A029393	Baggage Tug	Electric	2021	27	HP	--
275	A029394	Baggage Tug	Electric	2021	27	HP	--
276	A029725	Other GSE	Diesel	2018	360	HP	0.27
277	A029726	Other GSE	Diesel	2018	225	HP	0.27
278	A029872	Lavatory Truck	Gasoline	2018	360	HP	2.78
279	T-36	Aircraft Tug	Diesel	2009	268	HP	N/A (Low-Use)
280	A029475	Belt Loader	Electric	2023	80	V	--
281	A030955	Other GSE	Diesel	2023	225	HP	0.26
282	A027287	Other GSE	Diesel	2016	240	HP	0.27
283	A029646	Other GSE	Diesel	2016	240	HP	0.27
284	A031829	Cargo Loader	Diesel	2023	100	HP	0.26
285	A031038	Cargo Loader	Diesel	2020	100	HP	1.04
286	A030394	Belt Loader	Electric	2023	80	V	--
287	PA61171	Forklift	Electric	2023	80	V	--
288	A032418	Other GSE	Diesel	2024	225	HP	0.26
289	A031830	Aircraft Tug	Diesel	2022	173	HP	0.58
290	A029296	Ground Power Unit	Diesel	2020	155	HP	0.27
291	A029295	Ground Power Unit	Diesel	2023	155	HP	0.26
292	EQ98657	Forklift	Propane	2023	56	HP	2.19
293	A030492	Baggage Tug	Electric	2021	27	HP	--
294	AS01	Air Start Unit	Diesel	2018	174	HP	1.03
295	BL03	Belt Loader	Gasoline	2017	75	HP	3.14
296	BL04	Belt Loader	Gasoline	2018	61	HP	1.30
297	BL05	Belt Loader	Gasoline	2019	64	HP	2.89
298	BL06	Belt Loader	Gasoline	2018	61	HP	3.02
299	BL07	Belt Loader	Gasoline	2015	75	HP	3.43
300	BL08	Belt Loader	Gasoline	2015	75	HP	3.43
301	CL001	Cargo Loader	Diesel	2019	160	HP	0.27

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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
302	CL003	Cargo Loader	Diesel	2019	160	HP	0.27
303	CL0100	Cargo Loader	Diesel	2016	130	HP	0.27
304	CL0704	Cargo Loader	Diesel	2019	130	HP	0.27
305	CL0705	Cargo Loader	Diesel	2019	130	HP	0.27
306	CL0745	Cargo Loader	Diesel	2016	130	HP	0.27
307	CL1642	Cargo Loader	Diesel	2016	130	HP	0.27
308	GP02	Ground Power Unit	Diesel	1999	208	HP	6.91
309	GP05	Ground Power Unit	Diesel	1994	200	HP	4.00
310	MTS-4	Cargo Tractor	Gasoline	2016	61	HP	4.17
311	MTS-5	Cargo Tractor	Gasoline	2018	61	HP	3.73
312	MTS-6	Cargo Tractor	Gasoline	2018	61	HP	3.73
313	MTS-7	Cargo Tractor	LPG	2018	175	HP	2.19
314	MTS-8	Cargo Tractor	Gasoline	2018	61	HP	3.73
315	MTS-17	Cargo Tractor	Gasoline	2017	61	HP	3.95
316	MTS-19	Cargo Tractor	Gasoline	2017	61	HP	3.95
317	MTS-23	Cargo Tractor	LPG	2012	175	HP	2.18
318	MTS-24	Cargo Tractor	Gasoline	2017	61	HP	3.95
319	MTS-25	Cargo Tractor	Gasoline	2017	61	HP	3.95
320	MTS-26	Cargo Tractor	Gasoline	2018	61	HP	3.73
321	MTS-27	Cargo Tractor	Gasoline	2018	61	HP	3.73
322	MTS-28	Cargo Tractor	Gasoline	2018	61	HP	3.73
323	MTS-29	Cargo Tractor	Gasoline	2018	61	HP	6.23
324	MTS-30	Cargo Tractor	Gasoline	2018	61	HP	6.23
325	MTS-32	Cargo Tractor	Gasoline	2019	64	HP	6.23
326	MTS-33	Cargo Tractor	Gasoline	2019	64	HP	4.94
327	MTS-34	Cargo Tractor	Gasoline	2019	64	HP	4.94
328	MTS-35	Cargo Tractor	Gasoline	2019	64	HP	4.94
329	MTS-36	Cargo Tractor	Gasoline	2019	64	HP	4.94
330	MTS-37	Cargo Tractor	Gasoline	2015	75	HP	4.39
331	MTS-41	Cargo Tractor	Gasoline	2017	75	HP	3.95
332	MTS-42	Cargo Tractor	Gasoline	2017	61	HP	3.95
333	PB02	Aircraft Tug	Diesel	2018	173	HP	0.26
334	YG-01	Other GSE	LPG	2010	300	HP	3.78
335	YG-02	Other GSE	LPG	2010	300	HP	3.78
336	YG-03	Other GSE	LPG	2010	300	HP	3.78
337	YG-04	Other GSE	Diesel	2010	300	HP	1.39
338	Y1821	Other GSE	Diesel	2020	300	HP	0.27
339	Y1829	Other GSE	Diesel	2020	300	HP	0.27
340	AS-822	Air Start Unit	Diesel	2022	200	HP	0.13
341	2831	Cargo Loader	Diesel	2023	50	HP	1.35
342	CL007	Cargo Loader	Diesel	2019	130	HP	0.27
343	GP194	Ground Power Unit	Diesel	2023	200	HP	0.26
344	GP898	Ground Power Unit	Diesel	2023	200	HP	0.26

Table 3. 2025 GSE Fleet Average Emission Factor

Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
345	GP11270	Ground Power Unit	Diesel	2014	200	HP	0.28
346	MTS-9	Cargo Tractor	Diesel	2017	61	HP	1.43
347	PB01-2	Aircraft Tug	Diesel	2010	300	HP	2.48
348	PB04	Aircraft Tug	Diesel	1988	200	HP	8.91
349	MXT01	Service Truck	Gasoline	2001	340	HP	N/A (On-Road)
350	CV-02	Service Truck	Gasoline	2003	175	HP	N/A (On-Road)
351	PWT-01	Water Truck	Diesel	2000	200	HP	7.33
352	LV-01	Lavatory Truck	Diesel	2000	200	HP	7.33
353	DST-01	Passenger Stand	Gasoline	1984	160	HP	7.93
354	G13	Golf Cart	Electric	2010	27	HP	--
355	G14	Golf Cart	Electric	2010	27	HP	--
356	G15	Golf Cart	Electric	2010	27	HP	--
357	AC9003	Air Conditioner	Diesel	1998	325	HP	9.71
358	AC8974	Air Conditioner	Diesel	1998	325	HP	9.71
359	CL2205	Cargo Loader	Diesel	2023	50	HP	1.35
360	PB3015	Aircraft Tug	Diesel	2023	200	HP	0.26
361	G01	Golf Cart	Gasoline	2017	9	HP	N/A (< 25 HP)
362	GC2	Golf Cart	Electric	2010	27	HP	--
363	CL1008	Cargo Loader	Diesel	2019	74	HP	1.38
364	CL1009	Cargo Loader	Diesel	2019	74	HP	1.38
365	CL1010	Cargo Loader	Diesel	2019	74	HP	1.38
366	4934	Cargo Tractor	Gasoline	2024	86	HP	2.42
367	4935	Cargo Tractor	Gasoline	2025	86	HP	2.20
368	4936	Cargo Tractor	Gasoline	2024	86	HP	2.42
369	4937	Cargo Tractor	Gasoline	2025	86	HP	2.20
370	GCR1	Golf Cart	Electric	2010	27	HP	--
371	MTS 11	Cargo Tractor	Gasoline	2016	61	HP	4.17
372	6084	Cargo Tractor	Gasoline	2025	65	HP	2.20
373	6091	Cargo Tractor	Gasoline	2025	65	HP	2.20
374	6085	Cargo Tractor	Gasoline	2025	65	HP	2.20
375	YG2001	Other GSE	Diesel	2020	300	HP	0.27
376	YG1936	Other GSE	Diesel	2020	300	HP	0.27
377	YG1812	Other GSE	Diesel	2020	300	HP	0.27
378	CL15783	Cargo Loader	Diesel	2023	160	HP	0.26
379	6075	Cargo Tractor	Gasoline	2025	65	HP	2.20
380	LAE07	Service Truck	Gasoline	2007	335	HP	3.14
381	LAE06	Service Truck	Gasoline	2005	300	HP	7.67
382	772	Aircraft Tug	Diesel	2010	110	HP	2.47
383	880	Belt Loader	Electric	1995	60	HP	--
384	883	Belt Loader	Electric	1995	60	HP	--
385	884	Belt Loader	Electric	1998	60	HP	--
386	885	Belt Loader	Electric	1998	60	HP	--
387	886	Belt Loader	Electric	1999	60	HP	--

Table 3. 2025 GSE Fleet Average Emission Factor

Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
388	887	Belt Loader	Electric	1999	60	HP	--
389	2820	Aircraft Tug	Electric	2000	110	HP	--
390	3788	Aircraft Tug	Electric	1992	138	HP	--
391	3805	Belt Loader	Electric	2001	60	HP	--
392	3806	Belt Loader	Electric	2001	60	HP	--
393	3807	Belt Loader	Electric	2001	60	HP	--
394	3808	Belt Loader	Electric	2001	60	HP	--
395	9195	Aircraft Tug	Electric	2003	110	HP	--
396	9285	Baggage Tug	Gasoline	2003	202	HP	3.68
397	9286	Baggage Tug	Gasoline	2003	202	HP	3.68
398	13459	Forklift	Electric	2008	52	HP	--
399	22093	Ground Power Unit	Diesel	2015	155	HP	0.27
400	23776	Service Truck	Gasoline	2016	297	HP	2.69
401	24802	Baggage Tug	Electric	2017	40	HP	--
402	24803	Baggage Tug	Electric	2017	40	HP	--
403	24804	Baggage Tug	Electric	2017	40	HP	--
404	24805	Baggage Tug	Electric	2017	40	HP	--
405	24806	Baggage Tug	Electric	2017	40	HP	--
406	24807	Baggage Tug	Electric	2017	40	HP	--
407	24808	Baggage Tug	Electric	2017	40	HP	--
408	24809	Baggage Tug	Electric	2017	40	HP	--
409	24810	Baggage Tug	Electric	2017	40	HP	--
410	24811	Baggage Tug	Electric	2017	40	HP	--
411	24815	Baggage Tug	Electric	2017	40	HP	--
412	24818	Baggage Tug	Electric	2017	40	HP	--
413	25108	Passenger Stand	Gasoline	2017	49	HP	1.73
414	26305	Passenger Stand	Gasoline	2018	49	HP	1.73
415	26686	Forklift	LPG	2018	52	HP	2.59
416	29595	Baggage Tug	Electric	2019	40	HP	--
417	29598	Belt Loader	Electric	2019	60	HP	--
418	29599	Belt Loader	Electric	2019	60	HP	--
419	29832	Lavatory Truck	Gasoline	2019	100	HP	2.70
420	29833	Lavatory Truck	Gasoline	2019	100	HP	2.70
421	31533	Belt Loader	Electric	2021	60	HP	--
422	3789	Aircraft Tug	Electric	1988	140	HP	--
423	2305	Aircraft Tug	Electric	2001	110	HP	--
424	22493	Air Start Unit	Diesel	2015	333	HP	0.88
425	2306	Aircraft Tug	Electric	2001	110	HP	--
426	10481	Cargo Tractor	Electric	2004	19	HP	--
427	13504	Forklift	LPG	2008	52	HP	3.69
428	2307	Aircraft Tug	Electric	2001	110	HP	--
429	35284	Forklift	LPG	2023	51	HP	2.19
430	35761	Cargo Tractor	Electric	2023	11	HP	--

Table 3. 2025 GSE Fleet Average Emission Factor

Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
431	15005	Sweeper	LPG	2010	75	HP	1.88
432	29933	Golf Cart	Electric	2019	7	HP	--
433	3803	Golf Cart	Electric	2000	10	HP	--
434	45359	Aircraft Tug	Electric	2025	42	HP	--
435	45360	Aircraft Tug	Electric	2025	42	HP	--
436	45361	Aircraft Tug	Electric	2025	42	HP	--
437	45362	Aircraft Tug	Electric	2025	42	HP	--
438	45363	Aircraft Tug	Electric	2025	42	HP	--
439	21888	Aircraft Tug	Diesel	2015	74	HP	1.38
440	20431	Deicer	Gasoline	2013	21	HP	N/A (< 25 HP)
441	26351	Service Truck	Gasoline	2019	320	HP	2.53
442	45391	Forklift	Electric	2025	48	V	--
443	45392	Forklift	Electric	2025	48	V	--
444	45394	Forklift	Electric	2025	48	V	--
445	14992	Deicer	Gasoline	2010	21	HP	N/A (< 25 HP)
446	172034	Baggage Tug	Diesel	2007	86	HP	5.60
447	172185	Baggage Tug	Diesel	2009	42	HP	3.17
448	172186	Baggage Tug	Diesel	2009	42	HP	3.17
449	172195	Baggage Tug	Diesel	2014	49	HP	2.66
450	172196	Baggage Tug	Diesel	2014	49	HP	2.66
451	270060	Aircraft Tug	Diesel	2007	100	HP	3.83
452	270856	Aircraft Tug	Diesel	2018	74	HP	0.26
453	522277	Belt Loader	Diesel	2015	49	HP	3.05
454	522283	Belt Loader	Diesel	2015	49	HP	3.05
455	522656	Belt Loader	Diesel	2007	65	HP	5.38
456	522658	Belt Loader	Diesel	2006	65	HP	5.32
457	AS145582	Air Start Unit	Diesel	2019	450	HP	0.14
458	BL570251	Belt Loader	Gasoline	2018	87	HP	3.02
459	BL570253	Belt Loader	Gasoline	2017	87	HP	3.14
460	BL570349	Belt Loader	Gasoline	2022	86	HP	2.50
461	BL570374	Belt Loader	Gasoline	2022	62	HP	2.50
462	BT176023	Baggage Tug	Gasoline	2020	61	HP	2.83
463	BT176024	Baggage Tug	Gasoline	2020	61	HP	2.83
464	BT176025	Baggage Tug	Gasoline	2020	61	HP	2.83
465	BT176149	Baggage Tug	Gasoline	2022	61	HP	2.54
466	BT176150	Baggage Tug	Gasoline	2022	61	HP	2.54
467	BT176163	Baggage Tug	Gasoline	2023	64	HP	2.40
468	BT176164	Baggage Tug	Gasoline	2023	86	HP	2.40
469	BT176165	Baggage Tug	Gasoline	2023	64	HP	2.40
470	CV600395	Service Truck	Gasoline	2016	282	HP	N/A (On-Road)
471	GP901943	Ground Power Unit	Diesel	2022	154	HP	0.26
472	LT480242	Lavatory Truck	Diesel	2022	65	HP	1.36
473	PB271189	Aircraft Tug	Diesel	2023	74	HP	1.34

Table 3. 2025 GSE Fleet Average Emission Factor

Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
474	PB271205	Aircraft Tug	Diesel	2024	74	HP	1.34
475	522357	Belt Loader	Diesel	2014	49	HP	2.58
476	270889	Aircraft Tug	Diesel	2019	75	HP	1.36
477	AC5276	Air Conditioner	Gasoline	2018	250	HP	1.17
478	AS1011	Air Start Unit	Diesel	2018	493	HP	0.14
479	BL3086	Belt Loader	Electric	2018	40	HP	--
480	BL3087	Belt Loader	Electric	2018	40	HP	--
481	BL3088	Belt Loader	Electric	2004	30	HP	--
482	BL3089	Belt Loader	Electric	2005	30	HP	--
483	CT2265	Cargo Tractor	Electric	2018	40	HP	--
484	CT2266	Cargo Tractor	Electric	2018	40	HP	--
485	CT2267	Cargo Tractor	Electric	2018	40	HP	--
486	CT2271	Cargo Tractor	Electric	2018	40	HP	--
487	GP1927	Ground Power Unit	Diesel	2018	110	HP	0.27
488	LC022154	Lavatory Cart	Gasoline	2018	7	HP	N/A (< 25 HP)
489	LC363368	Lavatory Cart	Gasoline	2004	7	HP	N/A (< 25 HP)
490	PT0862	Aircraft Tug	Electric	2018	40	HP	--
491	PT0863	Aircraft Tug	Electric	2018	40	HP	--
492	VC0056	Service Truck	Gasoline	2018	250	HP	2.57
493	WC022103	Water Truck	Electric	2018	25	HP	--
494	PT1410	Aircraft Tug	Electric	2024	40	HP	--
495	419215	Air Start Unit	Diesel	2021	535	HP	0.13
496	425145	Belt Loader	Electric	2023			--
497	425146	Belt Loader	Electric	2023			--
498	425147	Belt Loader	Electric	2023			--
499	425148	Belt Loader	Electric	2023			--
500	425149	Belt Loader	Electric	2023			--
501	410593	Service Truck	Gasoline	2016	153	HP	2.69
502	410594	Service Truck	Gasoline	2016	153	HP	2.69
503	414608	Service Truck	Gasoline	2018	153	HP	2.57
504	414609	Service Truck	Gasoline	2018	153	HP	2.57
505	415797	Service Truck	Gasoline	2019	153	HP	2.53
506	422768	Service Truck	Gasoline	2023	153	HP	2.31
507	422769	Service Truck	Gasoline	2023	153	HP	N/A (On-Road)
508	415885	Cargo Loader	Gasoline	2019	362	HP	0.18
509	419245	Cargo Loader	Diesel	2020	140	HP	1.04
510	419247	Cargo Loader	Diesel	2020	140	HP	1.04
511	423797	Cargo Loader	Diesel	2022	140	HP	0.26
512	423819	Cargo Loader	Diesel	2022	140	HP	0.26
513	423821	Cargo Loader	Diesel	2022	140	HP	0.26
514	422984	Cargo Tractor	Gasoline	2023	61	HP	2.64
515	422985	Cargo Tractor	Gasoline	2023	61	HP	2.64
516	422986	Cargo Tractor	Gasoline	2023	61	HP	2.64

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Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
517	422987	Cargo Tractor	Gasoline	2023	61	HP	2.64
518	422988	Cargo Tractor	Gasoline	2023	61	HP	2.64
519	422989	Cargo Tractor	Gasoline	2023	61	HP	2.64
520	422990	Cargo Tractor	Gasoline	2023	61	HP	2.64
521	422991	Cargo Tractor	Gasoline	2023	61	HP	2.64
522	422992	Cargo Tractor	Gasoline	2023	61	HP	2.64
523	422995	Cargo Tractor	Electric	2022			--
524	423081	Cargo Tractor	Gasoline	2022	61	HP	2.86
525	423082	Cargo Tractor	Gasoline	2022	61	HP	2.86
526	423083	Cargo Tractor	Gasoline	2022	61	HP	2.86
527	423084	Cargo Tractor	Gasoline	2022	61	HP	2.86
528	423085	Cargo Tractor	Gasoline	2022	61	HP	2.86
529	423086	Cargo Tractor	Gasoline	2022	61	HP	2.86
530	423087	Cargo Tractor	Gasoline	2022	61	HP	2.86
531	423088	Cargo Tractor	Gasoline	2022	61	HP	2.86
532	423089	Cargo Tractor	Gasoline	2022	61	HP	2.86
533	423090	Cargo Tractor	Gasoline	2022	61	HP	2.86
534	423091	Cargo Tractor	Gasoline	2022	61	HP	2.86
535	423092	Cargo Tractor	Gasoline	2022	61	HP	2.86
536	423093	Cargo Tractor	Gasoline	2022	61	HP	2.86
537	423094	Cargo Tractor	Gasoline	2022	61	HP	2.86
538	423095	Cargo Tractor	Gasoline	2022	61	HP	2.86
539	423096	Cargo Tractor	Gasoline	2022	61	HP	2.86
540	423102	Cargo Tractor	Gasoline	2022	61	HP	2.86
541	423103	Cargo Tractor	Gasoline	2022	61	HP	2.86
542	423123	Cargo Tractor	Electric	2022			--
543	423124	Cargo Tractor	Electric	2022			--
544	423125	Cargo Tractor	Electric	2022			--
545	423126	Cargo Tractor	Electric	2022			--
546	423127	Cargo Tractor	Electric	2022			--
547	423128	Cargo Tractor	Electric	2022			--
548	423129	Cargo Tractor	Electric	2022			--
549	423130	Cargo Tractor	Electric	2022			--
550	425062	Cargo Tractor	Electric	2023			--
551	425063	Cargo Tractor	Electric	2023			--
552	425064	Cargo Tractor	Electric	2023			--
553	425065	Cargo Tractor	Electric	2023			--
554	425066	Cargo Tractor	Electric	2023			--
555	425067	Cargo Tractor	Electric	2023			--
556	425068	Cargo Tractor	Electric	2023			--
557	425069	Cargo Tractor	Electric	2023			--
558	425070	Cargo Tractor	Electric	2023			--
559	425071	Cargo Tractor	Electric	2023			--

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Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
560	425072	Cargo Tractor	Electric	2023			--
561	425073	Cargo Tractor	Electric	2023			--
562	425074	Cargo Tractor	Electric	2023			--
563	425075	Cargo Tractor	Electric	2023			--
564	423749	Ground Power Unit	Diesel	2022	155	HP	0.26
565	423745	Ground Power Unit	Diesel	2022	155	HP	0.26
566	424741	Ground Power Unit	Diesel	2022	155	HP	0.26
567	419170	Ground Power Unit	Diesel	2020	155	HP	0.27
568	419375	Ground Power Unit	Diesel	2020	155	HP	0.27
569	419171	Ground Power Unit	Diesel	2020	155	HP	0.27
570	834895	Other GSE	Diesel	2010	12	HP	N/A (< 25 HP)
571	835727	Other GSE	Diesel	2012	12	HP	N/A (< 25 HP)
572	410564	Service Truck	Gasoline	2016	285	HP	2.69
573	426338	Service Truck	Gasoline	2024	310	HP	2.26
574	426339	Service Truck	Gasoline	2024	310	HP	2.26
575	424272	Service Truck	Gasoline	2024	310	HP	2.26
576	424271	Service Truck	Gasoline	2024	310	HP	2.26
577	424995	Aircraft Tug	Diesel	2023	250	HP	0.26
578	423165	Service Truck	Gasoline	2022	285	HP	2.37
579	423166	Service Truck	Gasoline	2022	285	HP	2.37
580	423167	Service Truck	Gasoline	2022	285	HP	2.37
581	423168	Service Truck	Gasoline	2022	285	HP	2.37
582	423169	Service Truck	Gasoline	2022	285	HP	2.37
583	423171	Service Truck	Gasoline	2022	285	HP	2.37
584	423172	Service Truck	Gasoline	2022	285	HP	2.37
585	423174	Service Truck	Gasoline	2022	285	HP	2.37
586	423175	Service Truck	Gasoline	2022	285	HP	2.37
587	419320	Service Truck	Gasoline	2020	385	HP	2.48
588	419324	Service Truck	Gasoline	2020	385	HP	2.48
589	419351	Service Truck	Gasoline	2020	385	HP	2.48
590	419352	Service Truck	Gasoline	2020	385	HP	2.48
591	422300	Service Truck	Gasoline	2022	401	HP	2.37
592	422882	Service Truck	Gasoline	2022	401	HP	2.37
593	7685	Cargo Tractor	Gasoline	2021	61	HP	3.08
594	9705	Cargo Tractor	Gasoline	2018	42	HP	3.73
595	9717	Cargo Tractor	Gasoline	2010	42	HP	5.48
596	9720	Cargo Tractor	Gasoline	2018	42	HP	3.73
597	9740	Cargo Tractor	Gasoline	2025	61	HP	2.20
598	302276	Cargo Tractor	Gasoline	2010	42	HP	5.48
599	392786	Cargo Tractor	Gasoline	2010	42	HP	5.48
600	393598	Cargo Tractor	Gasoline	2010	42	HP	5.48
601	394196	Cargo Tractor	Gasoline	2019	42	HP	3.51
602	394211	Cargo Tractor	Gasoline	2019	42	HP	3.51

Table 3. 2025 GSE Fleet Average Emission Factor

Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
603	413401	Cargo Tractor	Gasoline	2017	84	HP	3.95
604	418883	Cargo Tractor	Gasoline	2021	61	HP	3.08
605	419499	Cargo Tractor	Gasoline	2020	61	HP	3.30
606	422977	Cargo Tractor	Gasoline	2023	61	HP	2.64
607	458270	Cargo Tractor	Gasoline	2018	42	HP	3.73
608	830999	Cargo Tractor	Gasoline	2024	61	HP	2.42
609	415846	Cargo Loader	Diesel	2019	140	HP	0.27
610	423798	Cargo Loader	Diesel	2021	140	HP	1.08
611	423799	Cargo Loader	Diesel	2021	140	HP	1.08
612	424934	Cargo Loader	Diesel	2022	140	HP	0.26
613	422790	Belt Loader	Gasoline	2022	84	HP	2.50
614	412069	Ground Power Unit	Diesel	2024	155	HP	0.26
615	414723	Ground Power Unit	Diesel	2018	155	HP	0.27
616	414725	Ground Power Unit	Diesel	2018	155	HP	0.27
617	416178	Ground Power Unit	Diesel	2019	155	HP	0.27
618	838006	Ground Power Unit	Diesel	2014	155	HP	2.30
619	426501	Air Start Unit	Diesel	2025	535	HP	0.14
620	833138	Other GSE	Diesel	2008	12	HP	N/A (< 25 HP)
621	48292	Cargo Tractor	Gasoline	2020	61	HP	3.30
622	48293	Cargo Tractor	Gasoline	2020	61	HP	3.30
623	48299	Cargo Tractor	Gasoline	2020	61	HP	3.30
624	48300	Cargo Tractor	Gasoline	2020	61	HP	3.30
625	48302	Cargo Tractor	Gasoline	2020	61	HP	3.30
626	833914	Cargo Tractor	Gasoline	2020	61	HP	3.30
627	833915	Cargo Tractor	Gasoline	2020	61	HP	3.30
628	833916	Cargo Tractor	Gasoline	2020	61	HP	3.30
629	833917	Cargo Tractor	Gasoline	2021	61	HP	3.08
630	833918	Cargo Tractor	Gasoline	2020	61	HP	3.30
631	833919	Cargo Tractor	Gasoline	2021	61	HP	3.08
632	415908	Cargo Tractor	Gasoline	2019	61	HP	3.51
633	415910	Cargo Tractor	Gasoline	2024	61	HP	2.42
634	418884	Cargo Tractor	Gasoline	2021	61	HP	3.08
635	423946	Service Truck	Gasoline	2024	401	HP	2.26
636	425029	Service Truck	Gasoline	2024	401	HP	2.26
637	425034	Service Truck	Gasoline	2024	401	HP	2.26
638	425035	Service Truck	Gasoline	2024	401	HP	2.26
639	425036	Service Truck	Gasoline	2024	401	HP	2.26
640	425491	Service Truck	Gasoline	2024	401	HP	2.26
641	837661	Service Truck	Gasoline	2015	285	HP	2.73
642	425740	Service Truck	Gasoline	2023	175	HP	2.31
643	426331	Service Truck	Gasoline	2024	140	HP	2.26
644	419493	Cargo Tractor	Gasoline	2020	61	HP	3.30
645	419494	Cargo Tractor	Gasoline	2020	61	HP	3.30

Table 3. 2025 GSE Fleet Average Emission Factor
Ontario Airport MOU
Ontario, California

Unit #	Equipment ID	GSE Type	Fuel Type	Engine Model Year	Engine Power Rating	Engine Power Rating Units	NOx EF ^{1,2,3} (g/bhp-hr)
646	674929	Service Truck	Gasoline	2011	345	HP	2.95
647	419140	Forklift	Diesel	2020	164	HP	0.26
648	838002	Forklift	Gasoline	2015	90	HP	4.50
649	419496	Cargo Tractor	Gasoline	2020	61	HP	3.30
Fleet Averaged Emission Factor (g/bhp-hr)							2.2

Notes:

¹ GSE load factors were taken from OFFROAD2017.

² Model year-specific emission factors were derived from OFFROAD2017 by dividing total emissions by the total annual horsepower-hours and load factor for each equipment type based on equipment model year and horsepower bin. Where an exact model year and/or horsepower bin match did not exist, an alternate model year/horsepower bin combination was selected to look up emission factors. Electric vehicles are assigned an EF of 0. The baseline NO_x emission factor was used in place of OFFROAD2017 default emission factors for units present in the baseline if the % difference between the baseline and OFFROAD2017 default EFs are greater or equal to 50% and the engine model year has not changed.

³ Equipment that do not meet criteria for GSE as specified in the MOU were not included in the emission factor calculations. These pieces of equipment are shown in this table, but do not have emission factor calculations as shown by "N/A". Examples of equipment that do not meet MOU GSE criteria include vehicles licensed by the DMV for on-road usage (designated as "N/A - Onroad"), equipment with a rating less than 25 horsepower (designated as "N/A - < 25 horsepower"), and equipment exempt as part of a low-usage exemption (designated as "N/A - Low Use Exemption"). Regulatory guidance for these examples are cited below.

^a The CARB LSI regulation's definition for airport GSE does not include those categories of GSE equipment that are designated and licensed for on-road use. These pieces of equipment are not subject to the requirements of the LSI regulation. Available at: <https://ww2.arb.ca.gov/sites/default/files/classic/msprog/offroad/orspark/faqs/lsifaqagse.pdf>. Accessed: April 2026.

^b The CARB Offroad Diesel (ORD) regulation exempts permanent and year-by-year low-use vehicles as defined in CCR § 2449 (e)(7). Available at: <https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2022/off-roaddiesel/froa-1.pdf>. Accessed: April 2026.

^c The CARB LSI regulation's definition for airport GSE does not include those categories of GSE equipment that are less than 25 horsepower, per CCR § 2775 (a)(1). Available at: <https://ww2.arb.ca.gov/sites/default/files/classic/msprog/offroad/orspark/largesparkappa-clean.pdf>. Accessed: April 2026.

Table 4. ONT 2017 and 2025 GSE Inventory

Ontario Airport MOU

Ontario, California

Fuel Type	Breakdown	2017	2025 GSE Inventory³
Diesel ¹	Tier 0	6	2
	Tier 1	32	6
	Tier 2	19	5
	Tier 3	28	20
	Tier 4 Interim	87	5
	Tier 4 Final		133
	Total Count	172	171
Electric	Total Count	128	131
Gasoline ²	MY <2001	128	9
	MY 2001 - 2006		13
	MY 2007 - 2009		17
	MY ≥ 2010	187	259
	Total Count	315	298
Total Equipment		615	600

Notes:

¹ If diesel engine tier information was not provided by the owner/operator, tier was assumed to be in line with CARB's Non-road Diesel Engine Certification Tier Chart based on MY and HP. Available at:
<https://ww2.arb.ca.gov/resources/documents/non-road-diesel-engine-certification-tier-chart>.

² Gasoline-fueled equipment are broken down according to model years specified in the Off-Road Large Spark-Ignition (LSI) Engine regulations. Available at:
<https://ww2.arb.ca.gov/large-spark-ignition-engine-regulatory-and-certification-documents>.

³ These counts reflect GSE equipment items that remain in use as of 12/31/2025. On-road equipment units are excluded from these counts.