

MOU MEASURE NO. 2 - LAX ALTERNATIVE FUEL VEHICLE INCENTIVE PROGRAM

This MOU Measure No. 2 is based on LAWA's Air Quality Improvement Measures plan for LAX (LAX AQIM), the LAX Zero and Near-Zero Emission Heavy-Duty Vehicle Incentive Program and is attached to and a part of the MOU between LAWA and South Coast AQMD.

I. PROGRAM DESCRIPTION - Implement an incentive program that will distribute up to \$500,000 dollars in funding to applicants based on the "incremental cost" differential of the zero or near-zero emission vehicles as compared to conventionally-fueled equivalents with a Gross Vehicle Weight Rating (GVWR) of 14,001 pounds or greater by December 31, 2021.

II. PROGRAM TIMEFRAME - Upon execution through 2032.

III. LAWA OBLIGATIONS - LAWA shall:

A. Ensure full subscription of incentive program funding, to the maximum extent feasible, to encourage the deployment of zero or near-zero emission vehicles at LAX.

B. Beginning in 2021, provide the following information to South Coast AQMD on an annual basis by June 1 for each preceding calendar year:

1. Zero or near-zero vehicle VIN number
2. Zero or near-zero vehicle model year
3. Zero or near-zero vehicle GVWR
4. Zero or near-zero vehicle engine model year
5. Zero or near-zero vehicle engine power rating
6. Zero or near-zero vehicle fuel type
7. Executive Order Number for the zero or near-zero vehicle engine
8. Zero or near-zero vehicle annual VMT (estimated)¹
9. List of, and information on, replaced vehicles (e.g., scrapped, moved out of state)
10. An emission inventory for the new near-zero or zero-emission vehicles acquired by LAX operators under the Alternative Fuel Vehicle incentive Program, following the methodology and calculations used to generate the 2017 baseline inventory report for the LAX AQIM.

¹ Vehicle miles traveled (VMT) will be estimated from EMFAC2017 VMT for applicable vehicle size and technology categories in the South Coast Air Basin portion of Los Angeles County, unless CARB updates those activity levels at a future date within the Program.

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**Vehicle List
MOU Measure 2 III.B.1-8.**

Reporting year: 2021

#	LAWA Assigned ID #	VIN	Vehicle Model Year	Vehicle GVWR	Engine Model Year	Power Rating	Power Rating Unit	Fuel Type	Executive Order Number	VMT
1	AIR_AF5765	1FDPF7AY4JDF05765	2018	33001	2018	320	HP	Propane	A-344-0086	24602
2	AIR_AF5766	1FDPF7AY6JDF05766	2018	33001	2018	320	HP	Propane	A-344-0086	24602
3	CPS_C20483	1FDFE4FN4MDC20483	2019	14500	2019	350	HP	CNG	A-436-0008	18276
4	CPS_C47239	1FDFE4FS3KDC47239	2019	14500	2019	350	HP	CNG	A-436-0008	18276
5	CPS_C47653	1FDFE4FS2KDC47653	2019	14500	2019	350	HP	CNG	A-436-0008	18276
6	CPS_C47654	1FDFE4FS4KDC47654	2019	14500	2019	350	HP	CNG	A-436-0008	18276
7	HAC_H00872	1FDNF7AY1KDF00872	2019	26001	2019	320	HP	Propane	A-344-0094	49311
8	HAC_H05701	1FDNF7AYXKDF05701	2019	26001	2019	320	HP	Propane	A-344-0094	49311
9	HAC_H06151	1FDNF7AY6KDF06151	2019	26001	2019	320	HP	Propane	A-344-0094	49311
10	HAC_H06152	1FDNF7AY8KDF06152	2019	26001	2019	320	HP	Propane	A-344-0094	49311
11	HAC_H06526	1FDNF7AY1KDF06526	2019	26001	2019	320	HP	Propane	A-344-0094	49311
12	HAC_H19499	1FDUF5GY7KED19499	2019	26001	2019	320	HP	Propane	A-344-0094	49311
13	MUT_MP5041	4UZAEDFH5MCMP5041	2021	35000	2021	300	HP	Propane	A-415-0023	24602
14	SIX_925273	1A9D01145K6925273	2019	28530	2019	220	HP	CNG	A-021-0698	49311
15	SIX_925274	1A9D01147K6925274	2019	28530	2019	220	HP	CNG	A-021-0698	49311

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**Replaced List
MOU Measure 2 III.B.9.**

Reporting year: 2021

#	LAWA Assigned ID # (Incentive Vehicle)	Date of Replacement by Incentive Vehicle	VIN of Replaced Vehicle	Details on Replaced Vehicle	Actual Incentive Amount	Vehicle Type	Vehicle Make	Vehicle Model	Vehicle Model Year	Vehicle GVWR	Total Annual Miles Traveled
1	AIR AF5765	9/29/2020	3FRPF75A78V070995	Scrapped	\$50,000.00	Catering Truck	Ford	F750	2008	35000	24500
2	AIR AF5766	9/2/2020	3FRPF75A29V119313	Scrapped	\$50,000.00	Catering Truck	Ford	F750	2008	35000	24000
3	CPS C20483	9/4/2020	1FDAF56P45EC73100	Moved Out of State	\$15,000.00	Bus	Ford	F550	2006	19000	40000
4	CPS C47239	6/30/2020	1GBE5U1938F411143	Scrapped	\$15,000.00	Bus	KRYST	Dual Max	2008	19500	40000
5	CPS C47653	6/30/2020	1FVACWU9GHHP3211	Moved Out of State	\$15,000.00	Bus	Champion	380	2015	26000	40000
6	CPS C47654	9/4/2020	1GBJ5V1907F418649	Moved Out of State	\$15,000.00	Bus	TURTL	Dual Max	2008	26000	40000
7	HAC H00872	7/16/2020	3FDPF75861MA54028	Scrapped	\$17,500.00	Catering Truck	Ford	F750	2001	26001	2100
8	HAC H05701	7/16/2020	1HTMMAAP53H576070	Scrapped	\$17,500.00	Catering Truck	International	Navist 4300	2003	26001	1936
9	HAC H06151	7/16/2020	1HTMMAAP93H576072	Scrapped	\$17,500.00	Catering Truck	International	Navist 4300	2003	26001	17255
10	HAC H06152	7/16/2020	3FRPF75E26V246397	Scrapped	\$17,500.00	Catering Truck	Ford	F750	2006	35000	10745
11	HAC H06526	7/16/2020	3FDPF75881MA54029	Scrapped	\$17,500.00	Catering Truck	Ford	F750	2001	26001	
12	HAC H19499	7/16/2020	3FRPF75E46V246398	Scrapped	\$17,500.00	Catering Truck	Ford	F750	2006	35000	1779
13	HOS HI0001										
14	HOS HI0002										
15	HOS HI0003										
16	HOS HI0004										
17	HOS HI0005										
18	MUT MP5041	2/25/2021	1FV6HLAA8VH862682	Moved Out of State	\$20,000.00	Flat Bed	Freightline	FL70	1997	35000	7800
19	ROY RA0001										
20	ROY RA0002										
21	SIX 925273	9/17/2020	WDAPF4DC1FP192394	Moved Out of State	\$20,000.00	Shuttle	Mercedes Benz	Sprinter	2015	11030	25000
22	SIX 925274	9/17/2020	WDAPF4DC7FP193193	Moved Out of State	\$20,000.00	Shuttle	Mercedes Benz	Sprinter	2015	11030	25000

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Emission Inventory
MOU Measure 2 III.B.10.

- I. PROGRAM DESCRIPTION - Implement an incentive program that will distribute up to \$500,000 dollars in funding to applicants based on the "incremental cost" differential of the zero or near-zero emission vehicles as compared to conventionally-fueled equivalents with a Gross Vehicle weight Rating (GVWR) of 14,001 pounds or greater by December 31, 2021.
- II. PROGRAM TIMEFRAME - Upon execution through 2032.

Reporting Year	Emissions						
	<i>tpy</i>	<i>tpy</i>	<i>tpy</i>	<i>tpy</i>	<i>tpy</i>	<i>tpy</i>	<i>Mtpy</i>
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2e
2021	0.259	16.245	0.107	0.0055	0.0055	0.0	2,312.4

LAWA prepared the 2017 emission inventory baseline for the LAX AQIM. LAWA replicated the methodology and calculations used to prepare the 2017 emissions inventory to develop an emissions inventory for MOU reporting. For each incentive vehicle, emission factors are based on the CARB Executive Order that certified the vehicle's engine. EMFAC categories for each vehicle are based on GVWR, EMFAC default VMT and average speeds for each unit.