



September 17, 2021

Zorik Pirveysian, Planning and Rules Manager  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765-4178

Dear Mr. Pirveysian,

John Wayne Airport, Orange County (“SNA”, “JWA”, or “Airport”) has prepared this additional table per your request. This submittal can be included with our original annual progress report as requested by the South Coast Air Quality Management District (“South Coast AQMD”) which was submitted on June 1, 2021.

### **MOU Schedule No. 1 – Ground Support Equipment**

MOU Schedule No. 1 is a measure for GSE.<sup>1</sup> Per your request in your email dated August 18, 2021, we have prepared a table that summarizes the GSE comparing the equipment by fuel type and tier level (for diesel equipment) in 2017 and 2020 (attached as Table 1). This is based on the data that was provided as part of the original MOU and the June 1, 2021 annual progress report.

### **Conclusion**

Please feel free to call Melinda McCoy at (949) 252-5267, with questions or concerns regarding this report.

Sincerely,

*Melinda McCoy*

Melinda McCoy, PG  
Environmental Resources Manager

Attachment: Table 1

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<sup>1</sup> Ground Support Equipment or “GSE” is any vehicle or equipment used to support aircraft operations that is subject to, or included in compliance plans to meet, the requirements of the California Air Resources Board (CARB) In-Use Off-Road Diesel (ORD) Vehicle Regulation Program, CARB Off-Road Large Spark-Ignition (LSI) Engine Fleet Requirements Regulation Program, or CARB Portable Equipment Registration Program and associated Portable Diesel Engine Airborne Toxic Control Measure. Furthermore, GSE as defined here only includes equipment that is not subject to compliance with SCAQMD Rule XX – RECLAIM, or included in a mobile source emission reduction credit program under SCAQMD Rule XVI.

**Table 1. JWA GSE MOU Equipment Inventory Summary**

John Wayne Airport  
 Santa Ana, California

<b>Fuel Type</b>	<b>Breakdown</b>	<b>2017</b>	<b>2020 MOU Inventory<sup>3</sup></b>
Diesel <sup>1</sup>	Tier 0	11	3
	Tier 1	21	20
	Tier 2	4	5
	Tier 3	7	5
	Tier 4 Interim	3	5
	Tier 4 Final	11	18
	<b>Total Count</b>	<b>57</b>	<b>56</b>
Electric	<b>Total Count</b>	<b>96</b>	<b>99</b>
Gasoline <sup>2</sup>	MY <2001	12	7
	MY 2001 - 2006	2	2
	MY 2007 - 2009	1	1
	MY >=2010	16	23
	<b>Total Count</b>	<b>31</b>	<b>33</b>
<b>Total Equipment</b>		<b>184</b>	<b>188</b>

Notes:

<sup>1</sup> 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>

<sup>2</sup> 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>.

<sup>3</sup> Equipment counts exclude vehicles deemed to be outside the scope of GSE as defined under this MOU.