

## MD/HD and Forklift Vehicle Population Work Paper 1

The purpose of this work paper is to explain how the MD/HD and Forklift pilot's scope was calculated.

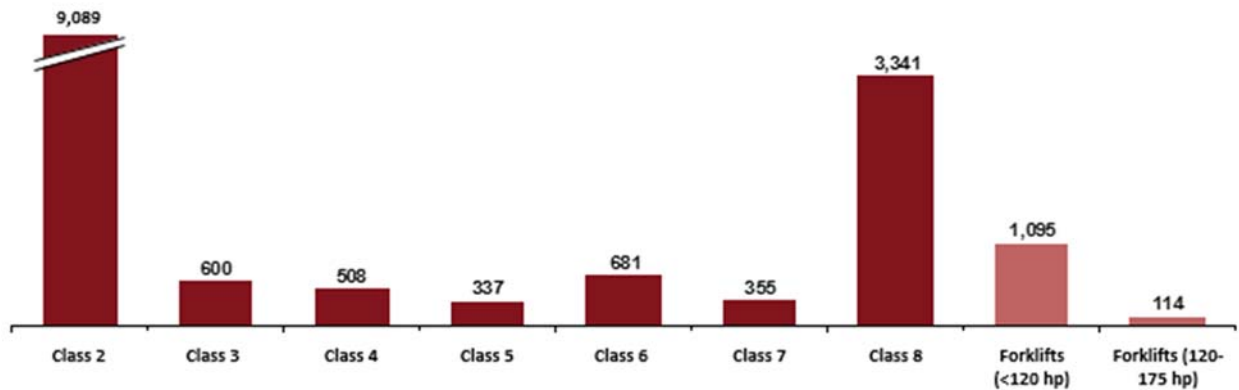


Figure 2 – MD/HD<sup>1</sup> and Forklift<sup>2</sup> Vehicle Population within the San Diego Port Tidelands

*Total = MD and HD Class 2,3,4,5,6,7&8 + Forklifts < 120hp + Forklifts 120 to 175hp*

$$Total = 9,089 + 600 + 508 + 337 + 681 + 355 + 3,341 + 1,095 + 114$$

$$Total^3 = 16,120$$

### Equation 1

$$Scope = \frac{\text{Number of Vehicles Within SDG\&E Scope}}{\text{Total from Equation 1}} \times 100\%$$

$$Scope = \frac{13}{16,120} \times 100\%$$

$$Scope^4 = 0.08\%$$

### Equation 2

<sup>1</sup> Proprietary Polk fleet data purchased by SDG&E was filtered by zip codes for the San Diego port tidelands. Data does not include out of state and international registration vehicles. It also does not include vehicles that are registered with addresses outside the San Diego port tideland zip codes. Class 2 population include vehicles >6,000 lbs.

<sup>2</sup> California Environmental Protection Agency, Air Resource Board, Mobile Source Emissions Inventory (February 2016), [https://www.arb.ca.gov/msei/categories.htm#offroad\\_motor\\_vehicles](https://www.arb.ca.gov/msei/categories.htm#offroad_motor_vehicles) Forklift population is obtained from CARB off-road vehicle inventory database for San Diego County. Forklifts within the San Diego port tidelands are estimated based on the percent of class 8 HD trucks within the San Diego port tidelands relative to the total for San Diego County. Includes estimates for gasoline / liquefied natural gas (LNG) powered vehicles.

<sup>3</sup> "Total" is defined as total Class 2-8 MD/HD and forklift vehicle population within the San Diego port tidelands.

<sup>4</sup> "Scope" is defined as percentage of vehicles SDG&E plans to replace with EVs based on the total MD/HD and forklift vehicle population within the San Diego port tidelands.