



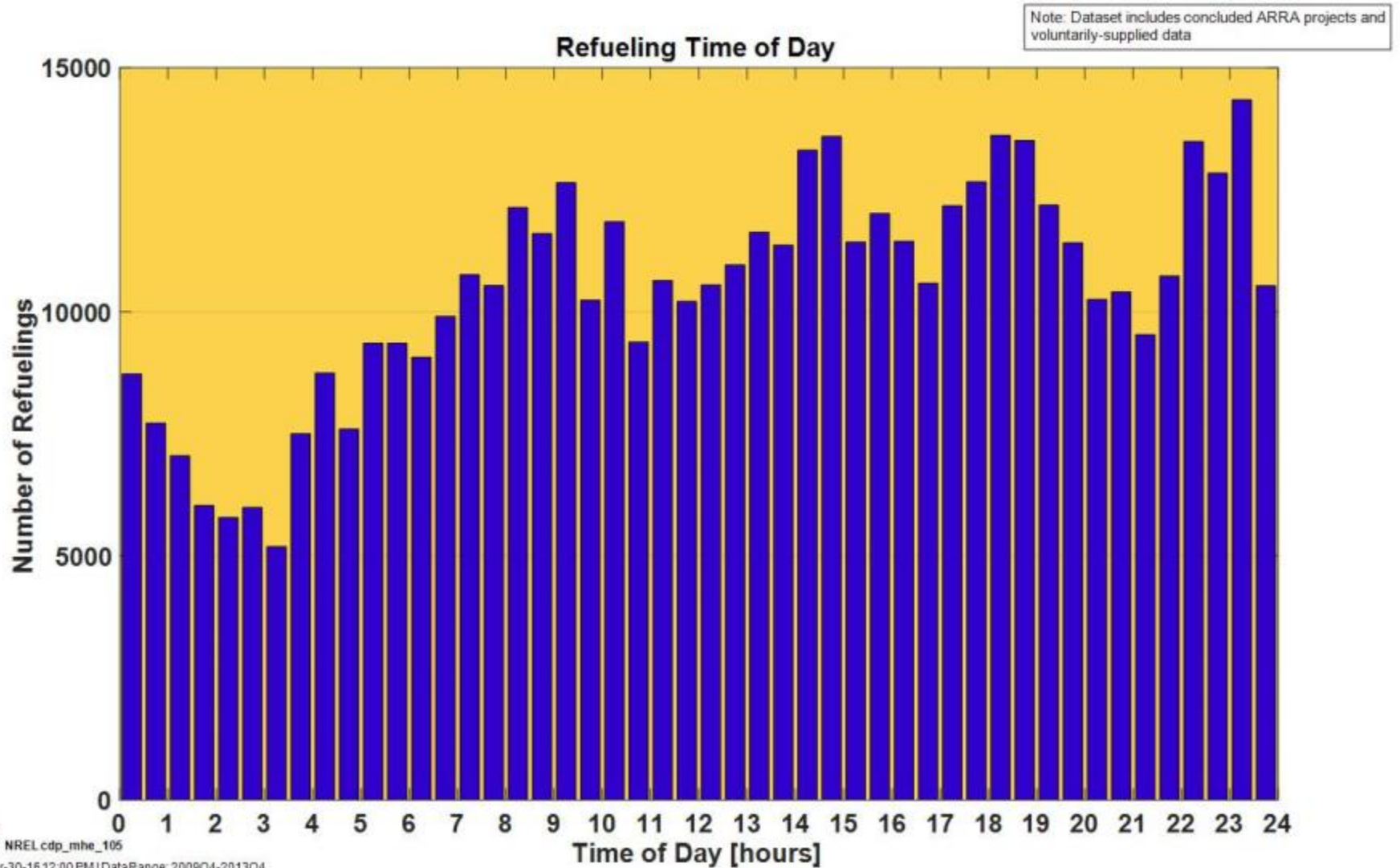
# ARRA Material Handling Equipment Composite Data Products

## Data through Quarter 3 of 2015

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NREL/PR-5400-66777

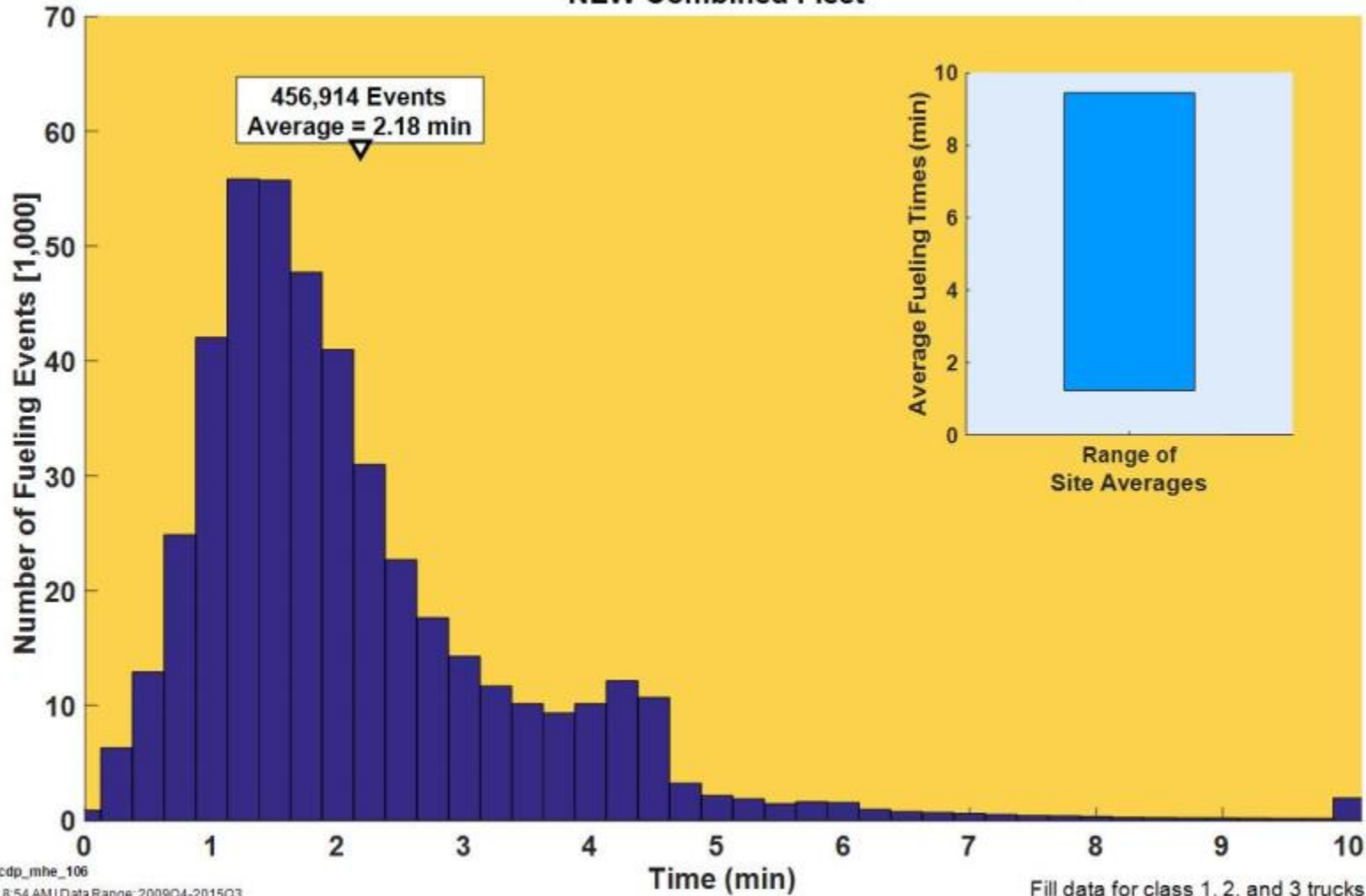


NREL.cdp\_mhe\_105

Created: Mar-30-16 12:00 PM | Data Range: 2009Q4-2013Q4

### Histogram of Fueling Times NEW Combined Fleet

Note: Dataset includes concluded ARRA projects and voluntarily-supplied data



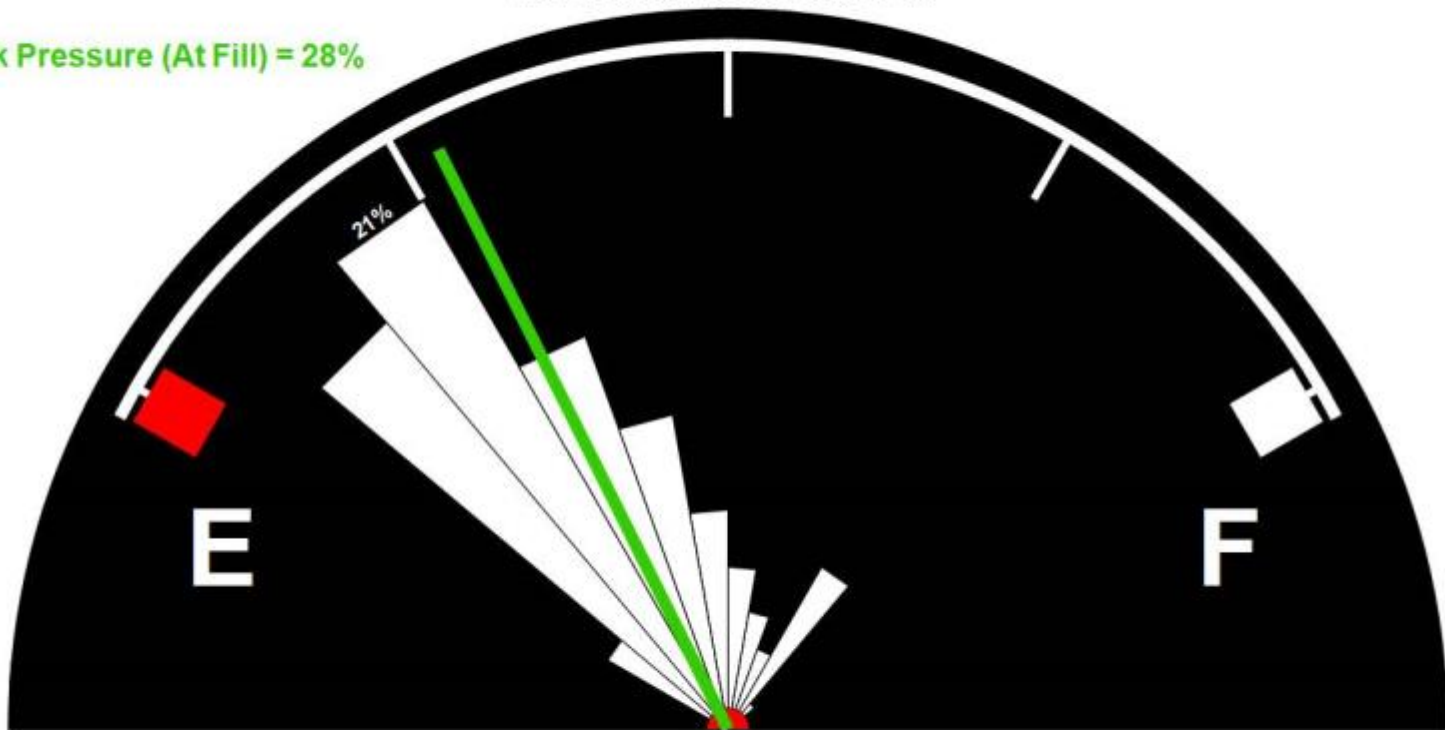
NRELcdp\_mhe\_106

Created: Mar-31-16 8:54 AM | Data Range: 2009Q4-2015Q3

Note: Dataset includes concluded ARRA projects and voluntarily-supplied data

### Tank Pressure At Fill: NEW

Median Tank Pressure (At Fill) = 28%

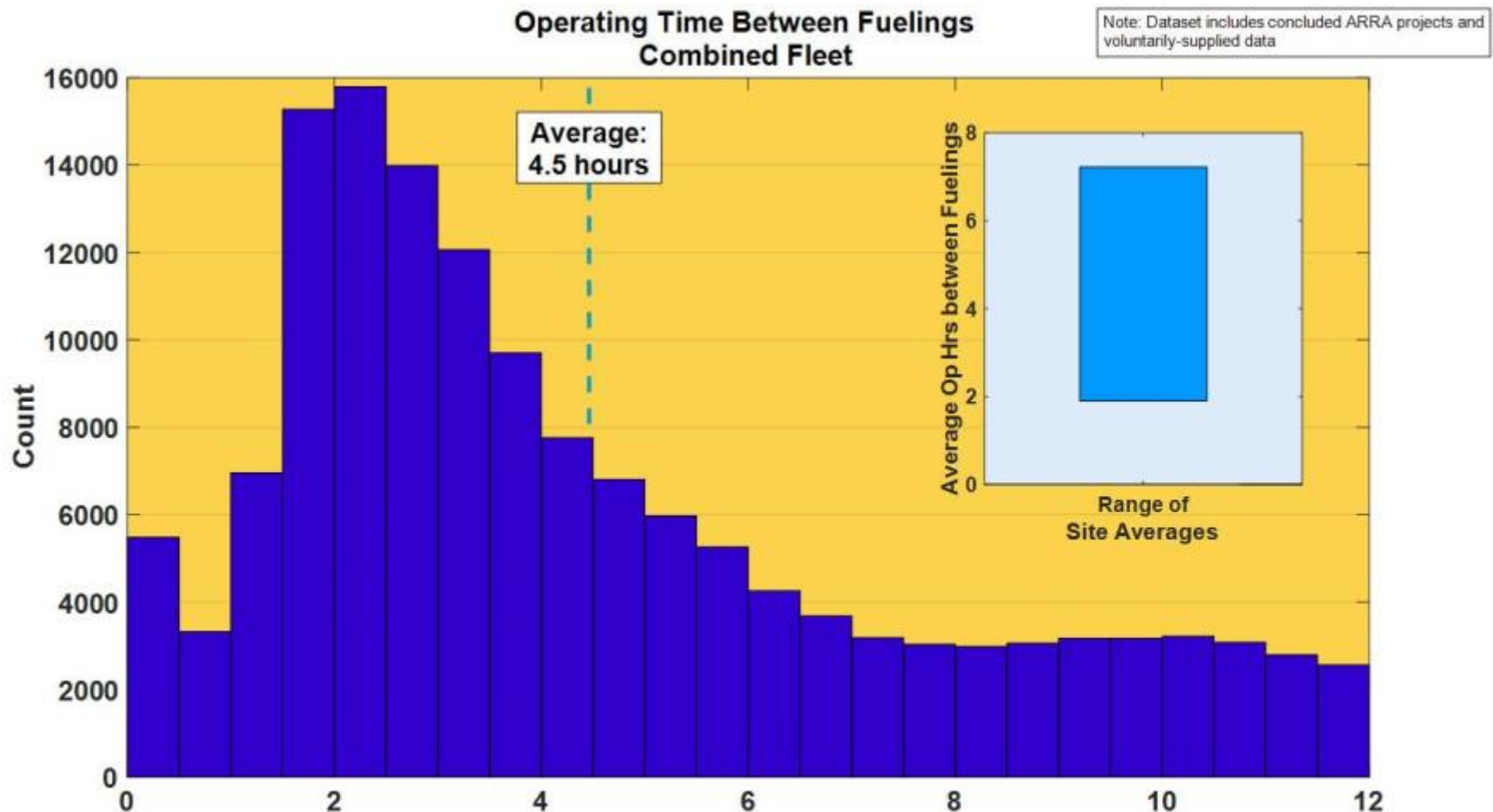


1. Some refueling events not recorded/detected due to data noise or incompleteness.
2. The outer arc is set at 25% total refuelings.
3. Full Pressure is either 3600 psi or 5000 psi.



NREL.cdp\_mhe\_107

Created: Mar-31-16 12:25 PM | Data Range: 2009Q4-2015Q3



NREL cdp\_mhe\_108

Created: Mar-31-16 1:48 PM | Data Range: 2009Q4-2015Q3

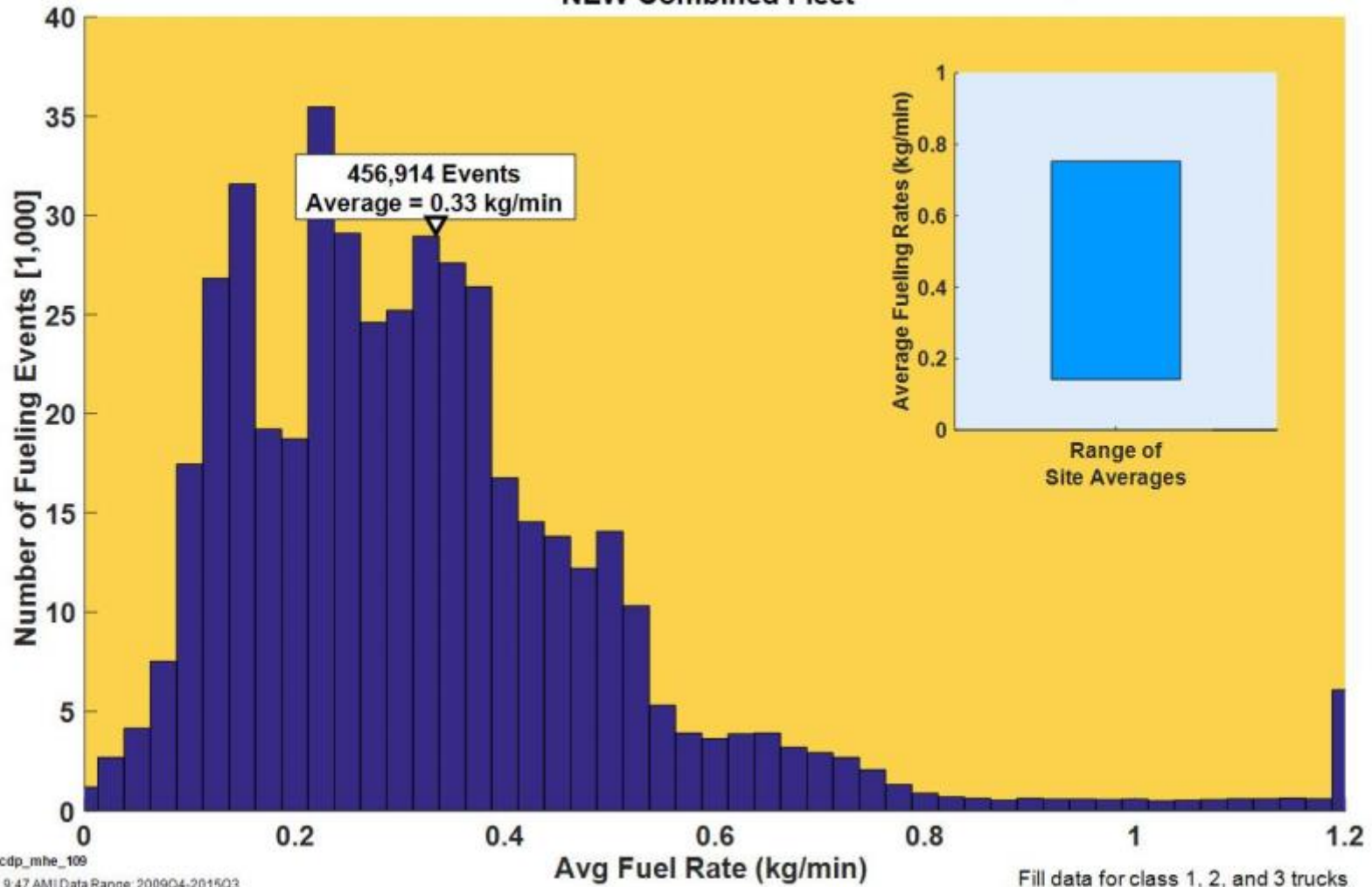
Operating Hours Between Fuelings <sup>1,2</sup>

Excludes Data > 12 hours

- 1) Some fueling events not recorded/detected due to data noise or incompleteness.
- 2) Data indicative of actual use and does not represent the max capability of the systems.

### Histogram of Fueling Rates NEW Combined Fleet

Note: Dataset includes concluded ARRA projects and voluntarily-supplied data



NREL cdp\_mhe\_109

Created: Mar-31-16 9:47 AM | Data Range: 2009Q4-2015Q3

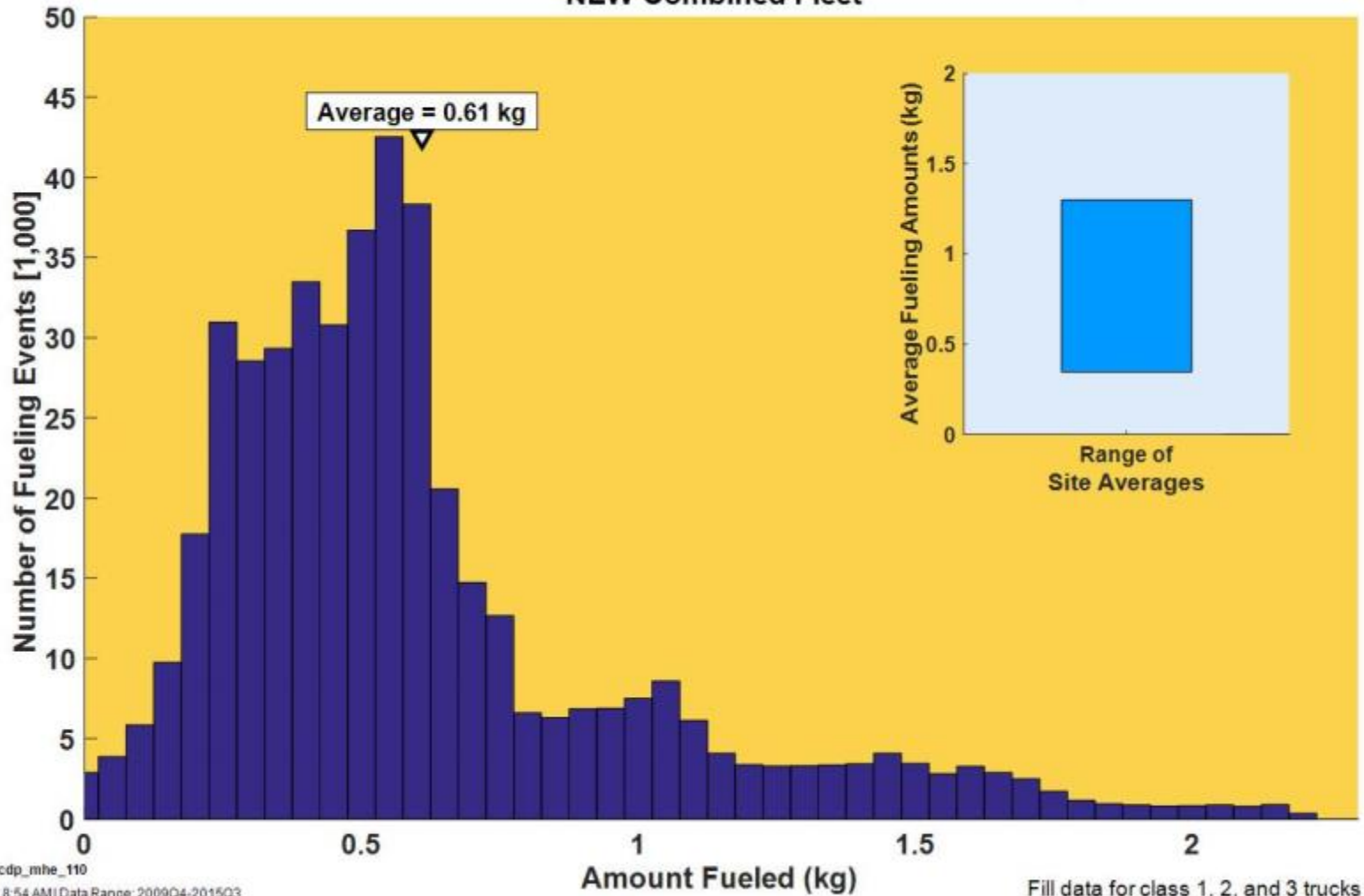
Fill data for class 1, 2, and 3 trucks



## Histogram of Fueling Amounts

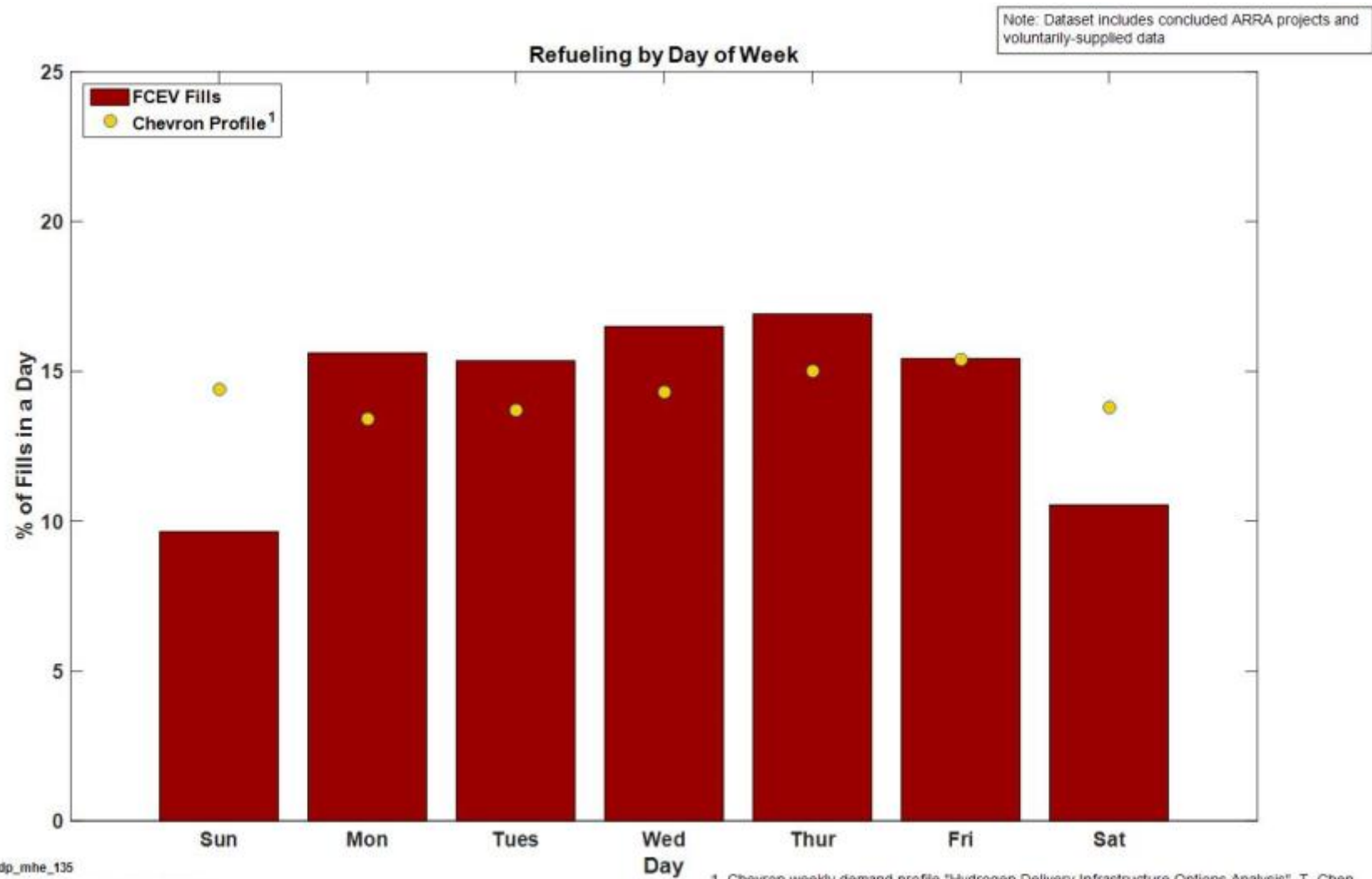
### Histogram of Fueling Amounts NEW Combined Fleet

Note: Dataset includes concluded ARRA projects and voluntarily-supplied data



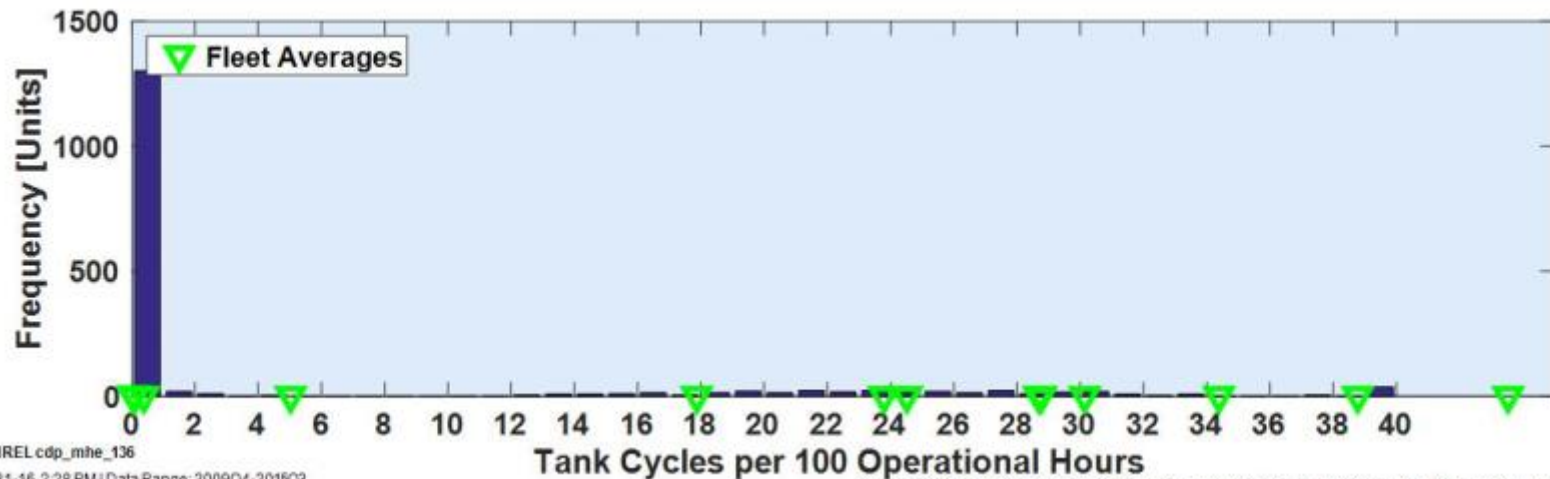
NREL cdp\_mhe\_110

Created: Mar-31-16 8:54 AM | Data Range: 2009Q4-2015Q3





Note: Dataset includes concluded ARRA projects and voluntarily-supplied data

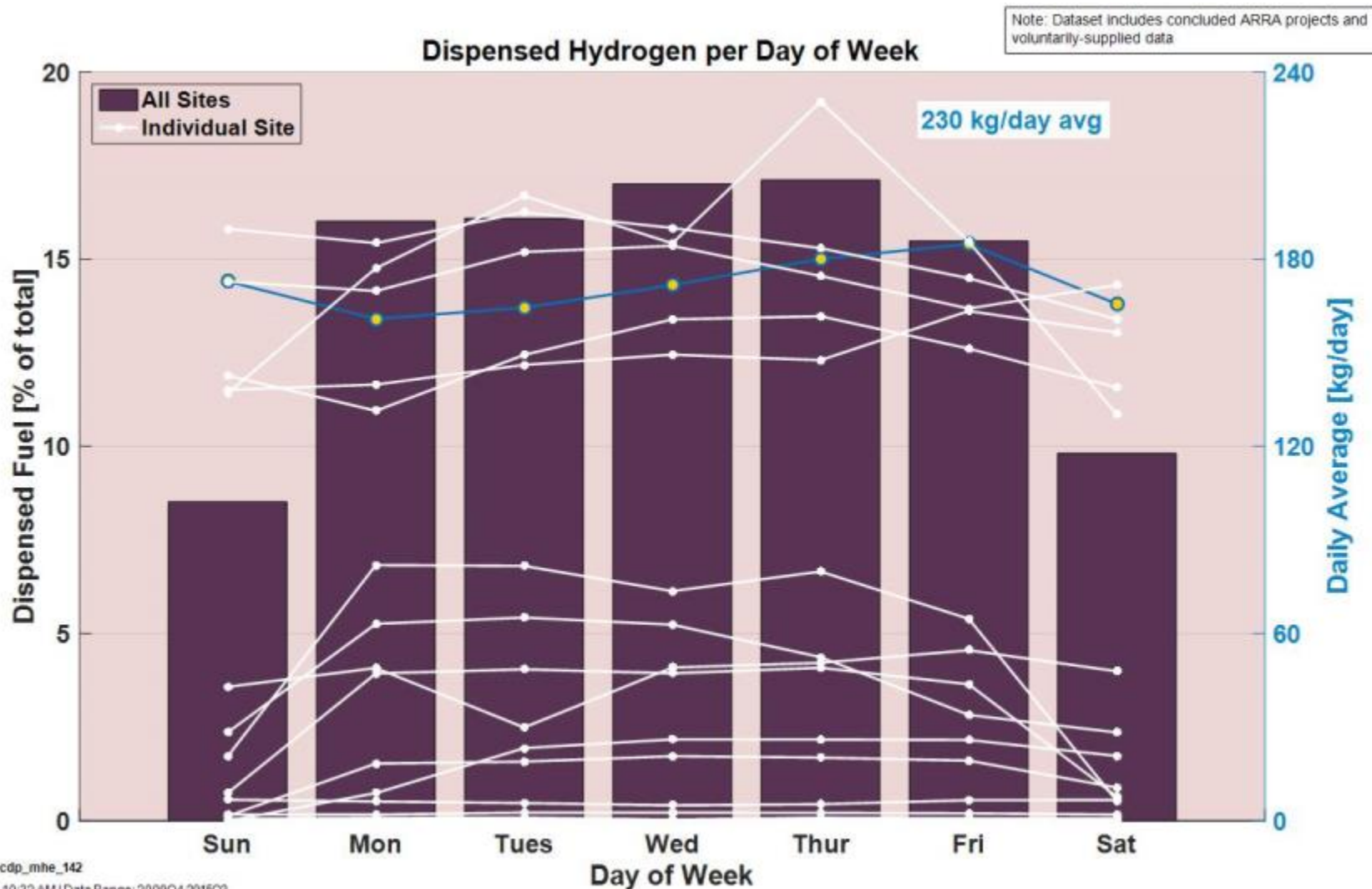


NREL cdp\_mhe\_136

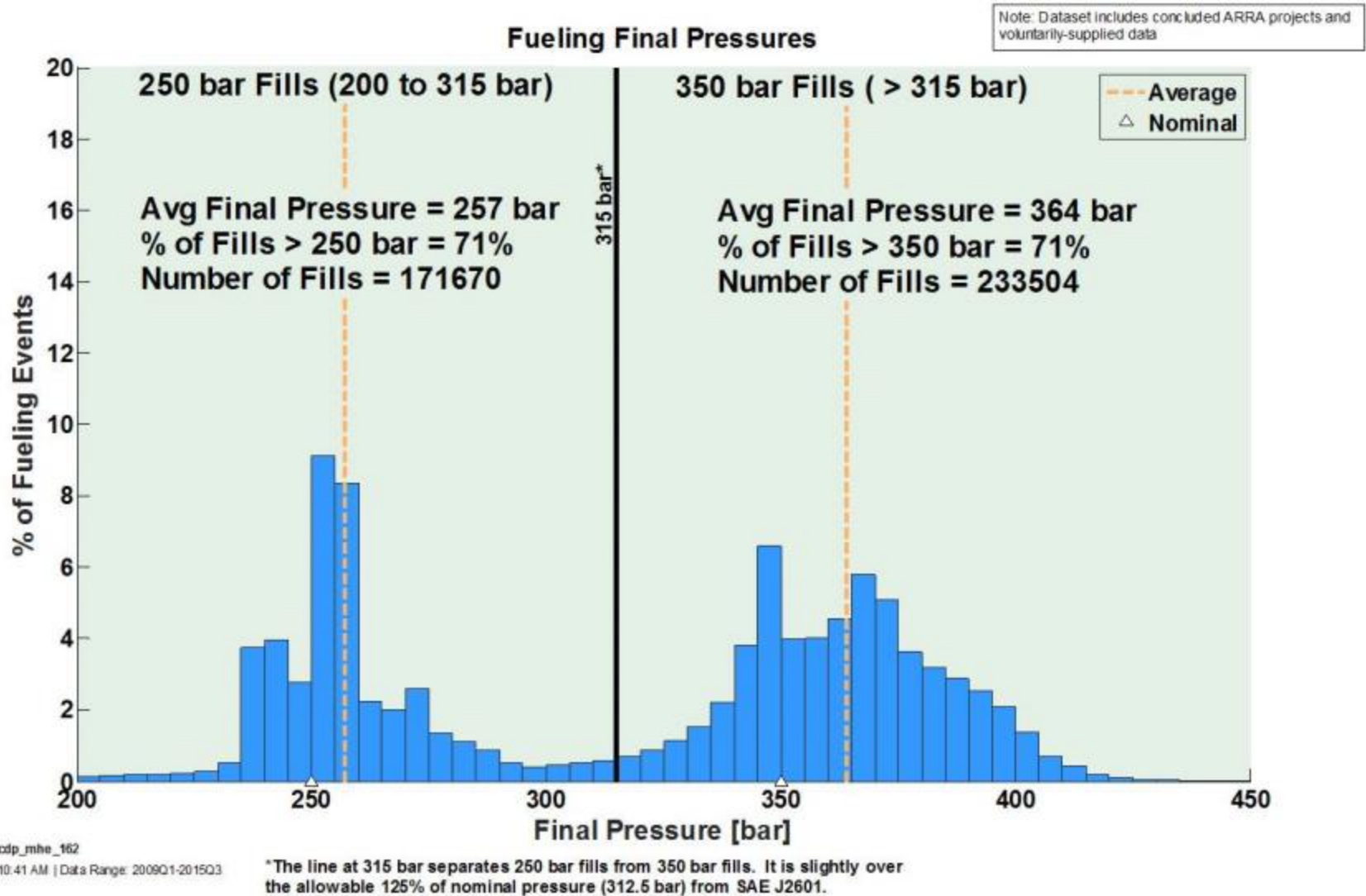
Created: Mar-31-16 2:28 PM | Data Range: 2009Q4-2015Q3

Note: Some refueling events not recorded/included due to data noise or incompleteness

## Amount of Hydrogen Dispensed by Day of Week

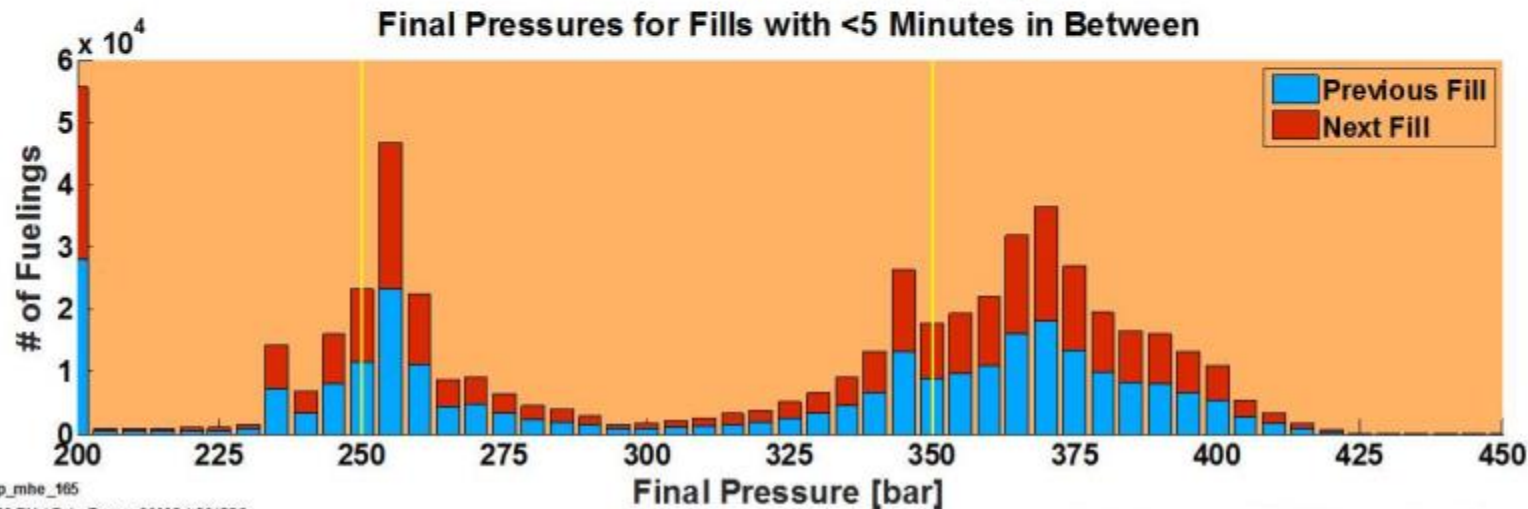
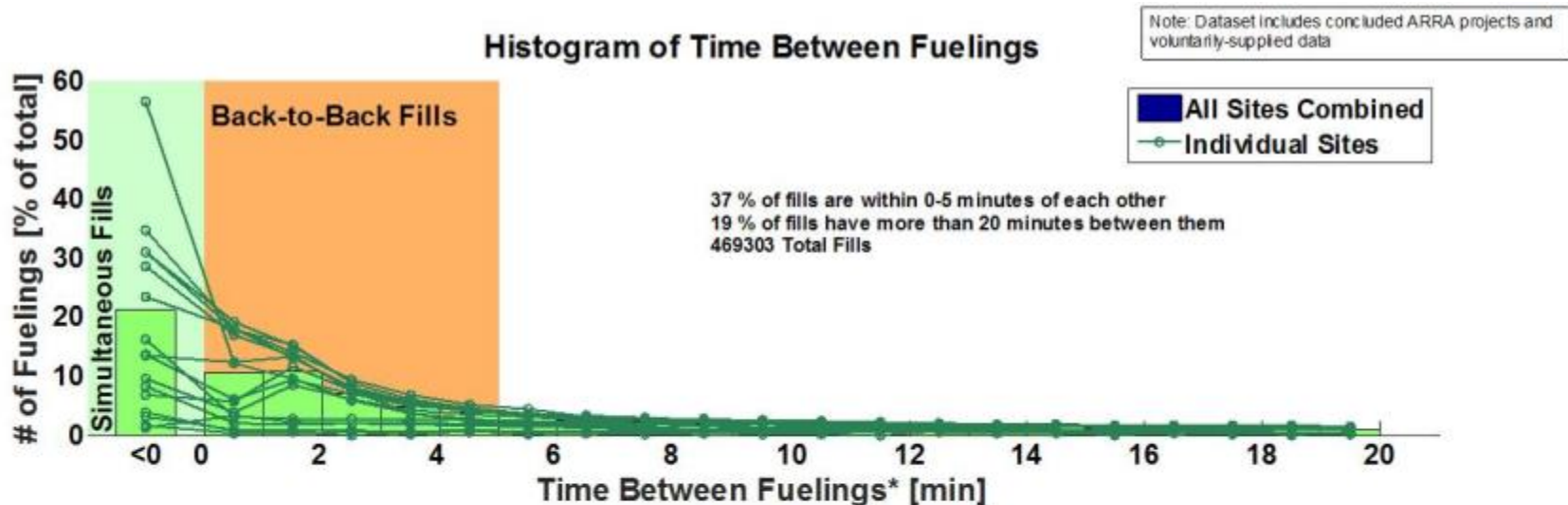


Created: Mar-31-16 10:32 AM | Data Range: 2009Q4-2015Q3



NREL cdp\_mhe\_162

Created: Mar-31-16 10:41 AM | Data Range: 2009Q1-2015Q3



\*Time is from end of fill to start of next fill.



NREL cdp\_mhe\_165

Created: Mar-31-16 5:32 PM | Data Range: 2009Q4-2015Q3

