# Power BI Desktop

## Clean Truck Program (CTP) - Gate Move Analysis

**June 2022: Adjusted Engine Year**

### Move Summary

- **426,650** Full and Empty Moves
- **224,394** Total Full Moves
- **202,256** Total Empty Moves

### Full Container Move Summary

- **208,545** Adjusted Moves
- **192,175** Matched Moves (92%)
- **5,679** Matched Exempt Moves

### Truck Summary

- **21,360** Trucks with Access
- **15,403** Trucks in Service (72%)
- **15,084** Non-Exempt Trucks

### CTR Exempt Truck Summary

- **369** Exempt Trucks with Access
- **319** Exempt Trucks in Service (86%)

### Licensed Motor Carrier (LMC) Summary

- **1,411** LMCs with Access
- **1,011** LMCs in Service (Full Moves)
- **55** Clean LMCs in Service (Full Exempt Moves)

### Matched Full Moves by Fuel Type

<table>
<thead>
<tr>
<th>Fuel Types</th>
<th>Full Moves</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel</td>
<td>179,956</td>
<td>94%</td>
</tr>
<tr>
<td>CNG</td>
<td>6,910</td>
<td>4%</td>
</tr>
<tr>
<td>LNG</td>
<td>4,705</td>
<td>2%</td>
</tr>
<tr>
<td>(Blank)</td>
<td>412</td>
<td>0%</td>
</tr>
<tr>
<td>Electric</td>
<td>179</td>
<td>0%</td>
</tr>
<tr>
<td>Other</td>
<td>13</td>
<td>0%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>192,175</td>
<td>100%</td>
</tr>
</tbody>
</table>

### Trucks with Access by Fuel Type

<table>
<thead>
<tr>
<th>Fuel Types</th>
<th>Trucks with Access</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel</td>
<td>20,347</td>
<td>95%</td>
</tr>
<tr>
<td>CNG</td>
<td>484</td>
<td>2%</td>
</tr>
<tr>
<td>LNG</td>
<td>451</td>
<td>2%</td>
</tr>
<tr>
<td>(Blank)</td>
<td>52</td>
<td>0%</td>
</tr>
<tr>
<td>Electric</td>
<td>23</td>
<td>0%</td>
</tr>
<tr>
<td>Other</td>
<td>2</td>
<td>0%</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>1</td>
<td>0%</td>
</tr>
<tr>
<td>Fuel Cell</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>21,360</td>
<td>100%</td>
</tr>
</tbody>
</table>

### Full And Empty Gate Moves Per Day of the Month

(Dates not shown indicate zero moves.)

![Full and Empty Gate Moves Per Day of the Month]
### Total Full Gate Moves by Truck Fleet Size

<table>
<thead>
<tr>
<th>Fleet Size</th>
<th>LMCs</th>
<th>Total Fleet Size</th>
<th>Full Moves</th>
<th>Avg Moves per Fleet Size</th>
<th>Avg Trucks per LMC</th>
</tr>
</thead>
<tbody>
<tr>
<td>≥100</td>
<td>33</td>
<td>8,509</td>
<td>58,645</td>
<td>6.89</td>
<td>257.85</td>
</tr>
<tr>
<td>21-99</td>
<td>297</td>
<td>11,979</td>
<td>87,774</td>
<td>7.33</td>
<td>40.33</td>
</tr>
<tr>
<td>≤20</td>
<td>681</td>
<td>5,778</td>
<td>45,756</td>
<td>7.92</td>
<td>4.84</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1011</td>
<td><strong>26,266</strong></td>
<td><strong>192,175</strong></td>
<td><strong>7.32</strong></td>
<td><strong>25.98</strong></td>
</tr>
</tbody>
</table>

- **Distribution of LMC's Truck Fleet Size**
  - 21-99: 29.38%
  - ≤20: 67.36%

- **Full Moves per Truck Fleet Size**
  - 21-99: 45.67%
  - ≤20: 23.81%

- **Truck Fleet Size Distribution**
  - 21-99: 45.61%
  - ≤20: 22%

### Total Full Exempt Gate Moves by Truck Fleet Size

<table>
<thead>
<tr>
<th>Exempt Fleet Size</th>
<th>Clean LMCs</th>
<th>Total Exempt Fleet Size</th>
<th>Exempt Full Moves</th>
<th>Avg Exempt Moves per Exempt Fleet Size</th>
<th>Avg Exempt Trucks per LMC</th>
</tr>
</thead>
<tbody>
<tr>
<td>21-99</td>
<td>7</td>
<td>256</td>
<td>3,826</td>
<td>14.95</td>
<td>36.57</td>
</tr>
<tr>
<td>≤20</td>
<td>48</td>
<td>139</td>
<td>1,853</td>
<td>13.33</td>
<td>2.90</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>55</strong></td>
<td><strong>395</strong></td>
<td><strong>5,679</strong></td>
<td><strong>14.38</strong></td>
<td><strong>7.18</strong></td>
</tr>
</tbody>
</table>

- **Distribution of LMC's Truck Fleet Size**
  - 21-99: 12.73%
  - ≤20: 87.27%

- **Full Moves per Truck Fleet Size**
  - 21-99: 67.37%
  - ≤20: 32.63%

- **Truck Fleet Size Distribution**
  - 21-99: 64.81%
  - ≤20: 35.19%
San Pedro Bay Ports Move Analysis

San Pedro Bay Ports Full and Empty Gate Moves

- **646,951** POLA & POLB Matched Moves
- **8,768** POLA & POLB Matched Exempt Full Moves
- **1%** POLA & POLB Matched Exempt Moves %

- **36,011** POLA & POLB Moves by Alternative Fuels
- **5.6%** POLA & POLB Moves by Alternative Fuels %

Trucks with Access to POLA or POLB Distribution by Engine Year

Truck Frequency Analysis

<table>
<thead>
<tr>
<th>Truck Frequency Type</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infrequent</td>
<td>&lt;10 average moves/week</td>
</tr>
<tr>
<td>Semi-Frequent</td>
<td>10-20 average moves/week</td>
</tr>
<tr>
<td>Frequent</td>
<td>&gt;20 average moves/week</td>
</tr>
</tbody>
</table>

Truck Frequency by Engine Year

Truck Frequency by Fuel Types

- **Diesel**
  - 2007: 6,283
  - 2008: 587
  - 2009: 307
  - 2010: 362
  - 2011: 133
- **CNG & LNG**
  - 2007: 7,942
  - 2008: 2,224
  - 2009: 216
  - 2010: 51
  - 2011: 25
Notes and Terms (in order of appearance):

“Adjusted Engine Year”: Engine Years in this report have been adjusted to better reflect actual engine years of each vehicle.

“Adjusted Moves”: Total number of container gate moves with valid RFID and SCAC data.

“Matched Moves”: Number of adjusted container gate moves matched with PDTR RFID and PortCheck RFID. (Truck and LMC data)

“Exempt Moves”: Moves completed by Exempt Truck (see below).

“Exempt Truck”: Low NOx and zero-emission trucks exempt from Clean Truck Rate.

“Trucks with Access”: Number of trucks registered in the PDTR with access to the Port of Los Angeles.

“Trucks in Service”: Total number of trucks that made at least one full container move.

“LMCs with Access”: Number of License Motor Carriers with access to the Port of Los Angeles.

“LMCs in Service”: Number of License Motor Carriers that made at least one full container move.

“Blank” Fuel Type: Fuel type not reported by user.

“Fleet Size”: LMCs categorized by the number of trucks in fleet.

“Total Fleet Size”: Sum of trucks in respective categories.

“Exempt Fleet Size”: LMCs categorized by the number of Exempt Trucks in fleet.

“Total Exempt Fleet Size”: Sum of exempt trucks in respective categories.

“Clean LMC”: Number of LMCs with Exempt Trucks.

“Alternative Fuels”: All fuel types other than Diesel. E.g. CNG, LNC, Electric, and, etc.