Monthly Fleet Efficiency (Total Miles)

Notes:
- Efficiency shown is at the meter
- Data from Fleetwatch and SDG&E bills
- Not in line with power bill dates; 1st to end of the month
Avg. Efficiency by Route (Revenue Miles)

Notes:
- Data from 360 Reports for July 2021
- Efficiency calculated at bus, not meter
Total Monthly Miles

Notes:
- Data from Fleetwatch
- Includes all in-service and out-of-service mileage
- Data not in-line with power bill dates; 1st to end of the month
- Mileage includes all buses at IAD, EC, KMD and SB
- 2 x Gillig buses began collecting miles in Feb-21
Efficiencies vs. Temperatures (Revenue Miles)

Notes:
- Individually observed efficiencies
- Data from 360 Reports
- July 2021
- Clear V-shape with low at about 67F
CNG vs. BEB Monthly Mileage

**Average Series Mileage**

<table>
<thead>
<tr>
<th></th>
<th>CNG</th>
<th>BEB</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3,176</td>
<td>1,344</td>
</tr>
</tbody>
</table>

**Notes:**
- Data from MTS
- Not in line with power bill date; 1st to end of the month
# CNG vs. BEB Fuel & Maintenance

## Notes:
- Data is cumulative from Jan-20 to July 21
- CNG maintenance cost/mile includes work order costs only
- New CNG = (1400 Series = 10 buses)

## Fuel & Maintenance Costs

<table>
<thead>
<tr>
<th>Fleet</th>
<th>Fuel Cost per Mile</th>
<th>Maintenance Cost per Mile</th>
<th>Combined</th>
</tr>
</thead>
<tbody>
<tr>
<td>All CNG</td>
<td>$0.50</td>
<td>$0.86</td>
<td>$1.36</td>
</tr>
<tr>
<td>New CNG</td>
<td>$0.44</td>
<td>$0.49</td>
<td>$0.93</td>
</tr>
<tr>
<td>BEBs</td>
<td>$1.25</td>
<td>$0.27</td>
<td>$1.52</td>
</tr>
</tbody>
</table>

## Total Costs

<table>
<thead>
<tr>
<th>Fleet</th>
<th>Total Fuel Cost</th>
<th>Total Maintenance Cost</th>
<th>Combined</th>
</tr>
</thead>
<tbody>
<tr>
<td>All CNG</td>
<td>$7,051,371</td>
<td>$10,912,548</td>
<td>$17,963,918</td>
</tr>
<tr>
<td>New CNG</td>
<td>$211,603</td>
<td>$282,300</td>
<td>$493,903</td>
</tr>
<tr>
<td>BEBs</td>
<td>$140,219</td>
<td>$34,050</td>
<td>$174,270</td>
</tr>
</tbody>
</table>
Availability

Charger Availability -
- Stations 1-6 came online in January; Stations 7-12 came online in May
- Data from MTS for through July 2021
- South Bay chargers have been offline due to a circuit breaker issue since May 2020
- Annual Avg = 88%

Bus Availability -
- Data from MTS through July 2021
- Avg for New Flyer = 85%
- Avg for Gillig = 50%
- Avg for CNG = 80%
Mean Distance Between Failures

![Bar chart showing mean distance between failures for different series.

CNG Fleet: 6,087 miles
New CNG: 6,161 miles
1500s: 6,114 miles
1600s: 2,057 miles

Note:
• Data from MTS for July 2021]