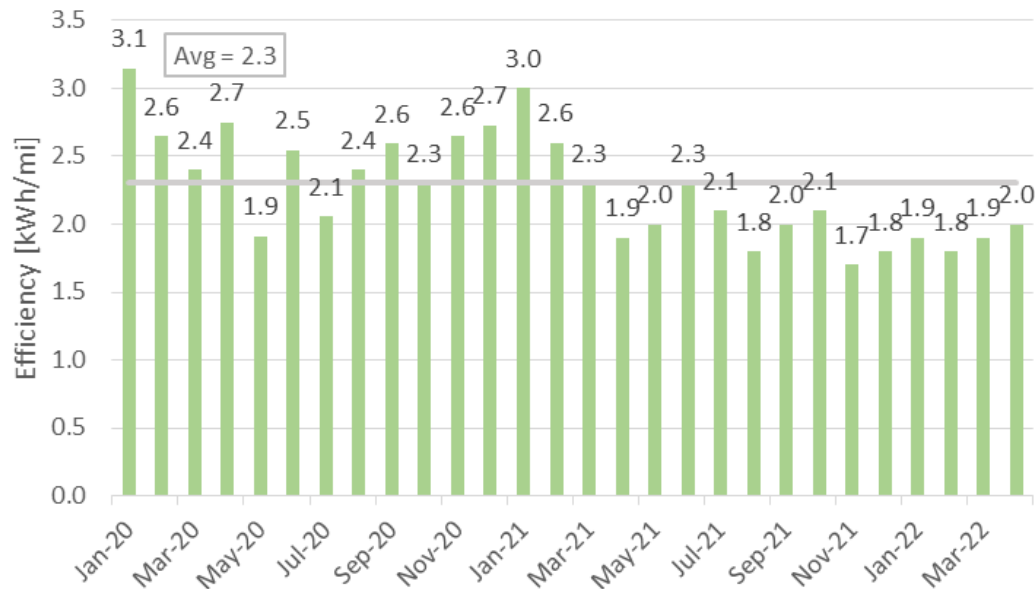


ZEB Pilot Program Performance Report



January 2020 – April 2022

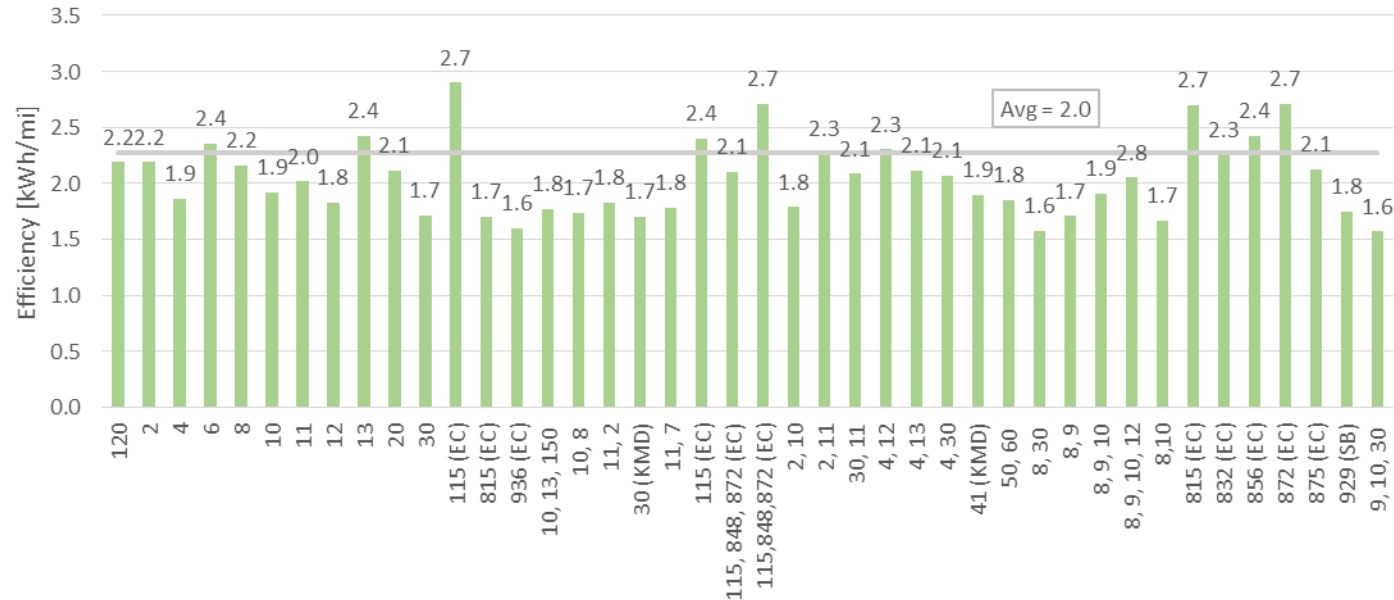
Monthly Fleet Efficiency (Total Miles)



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

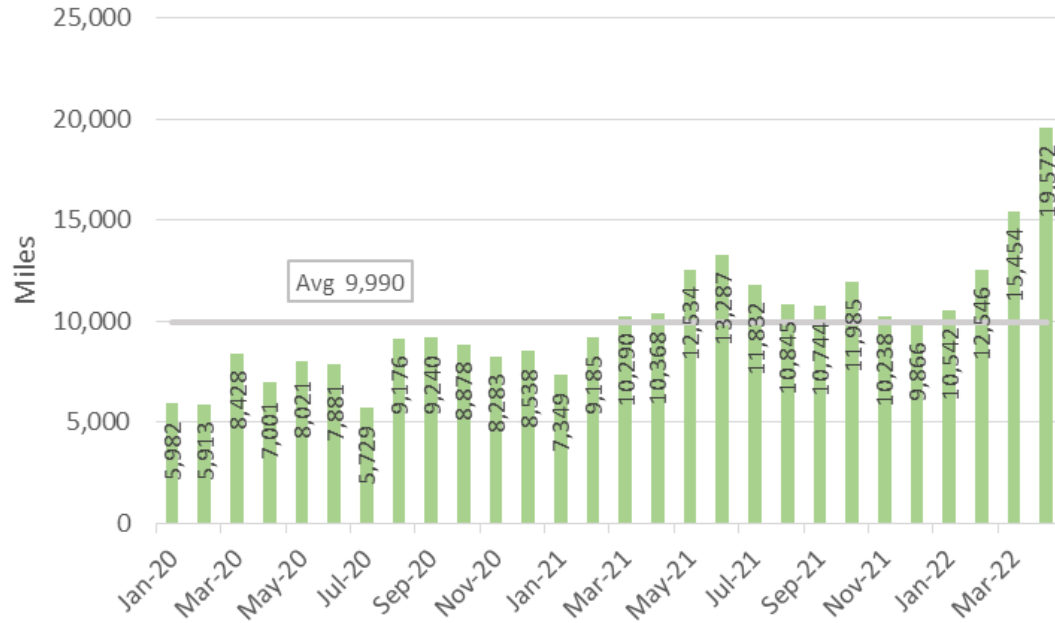
Avg. Efficiency by Route (Revenue Miles)



Notes:

- Data from 360 Reports for April 2022
- Efficiency calculated at bus, not meter

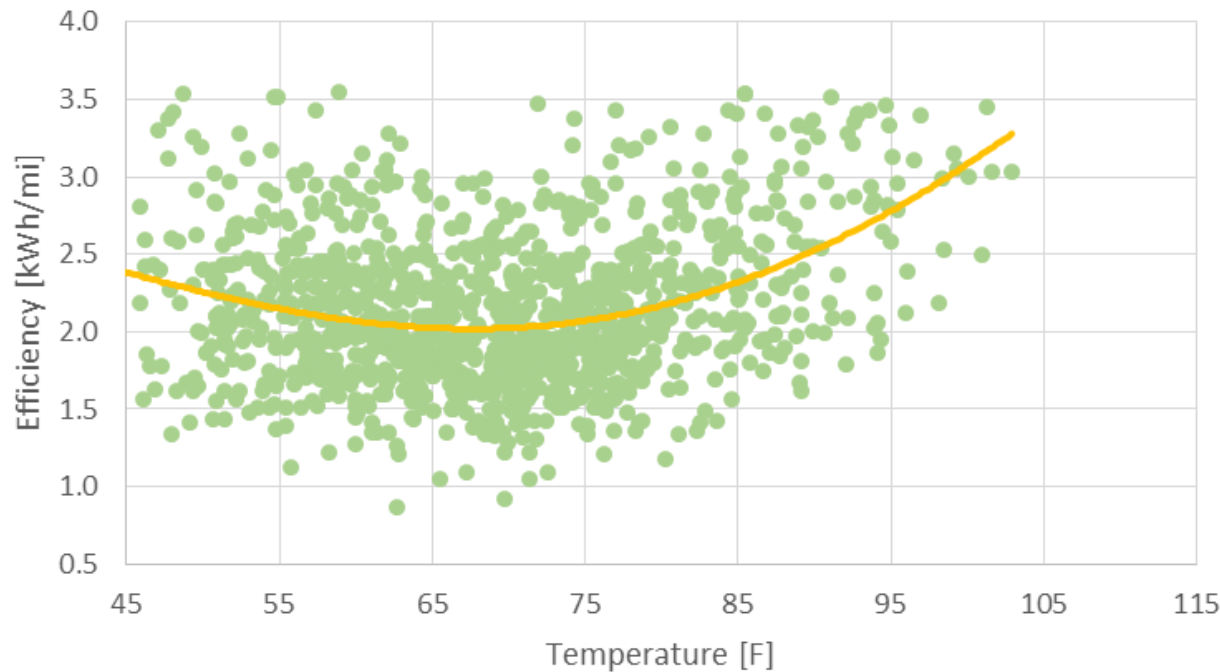
Total Monthly Miles



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

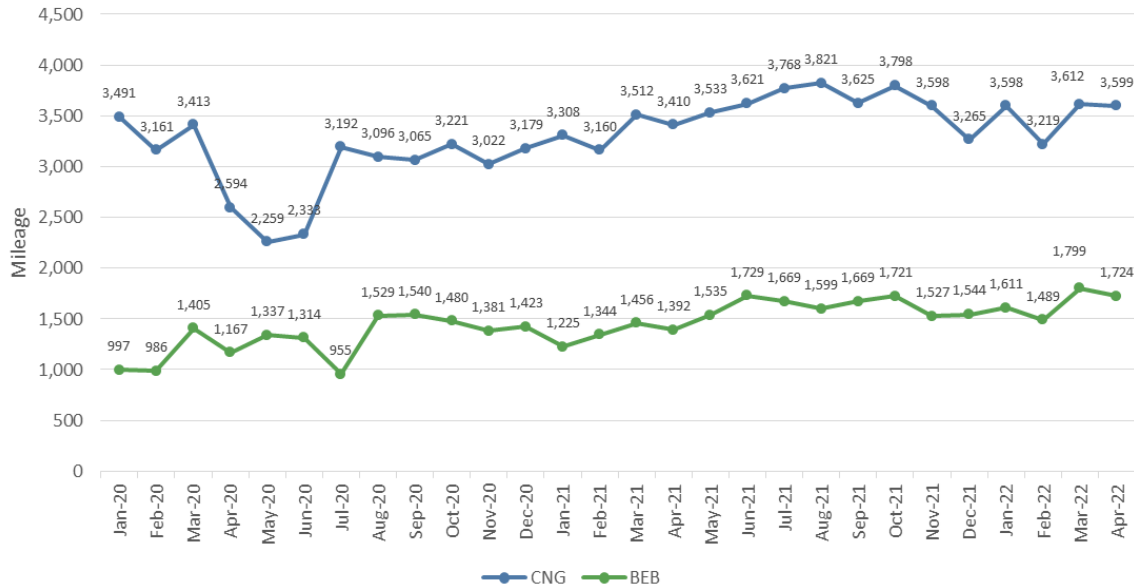
Efficiencies vs. Temperatures (Revenue Miles)



Notes:

- Individually observed efficiencies
- Data from 360 Reports
- Clear V-shape with low at about 67F

CNG vs. BEB Monthly Mileage



Average Series Mileage

CNG	3,303
BEB	1,448

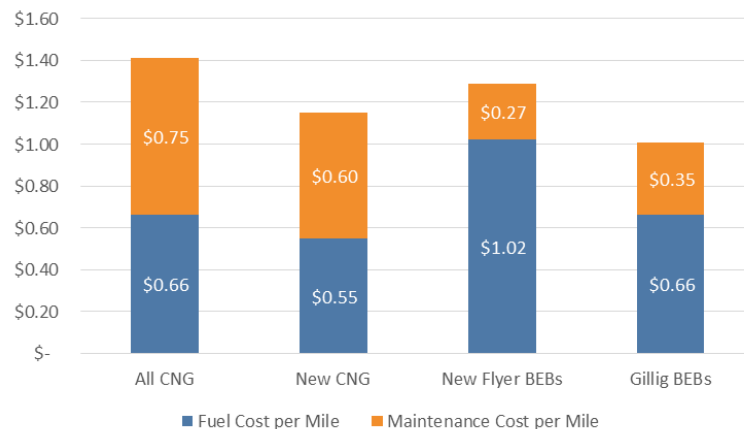
Notes:

- Data from MTS
- Not in line with power bill date; 1st to end of the month

CNG vs. BEB Fuel & Maintenance

Fleet	Fuel/Energy Cost per Mile	Maintenance Cost per Mile	Combined
All CNG	\$ 0.66	\$ 0.75	\$ 1.41
New CNG	\$ 0.50	\$ 0.60	\$ 1.15
New Flyer BEB	\$ 1.02	\$ 0.27	\$ 1.29
Gillig BEB	\$ 0.66	\$ 0.35	\$ 1.01

Fleet	Total Fuel Cost	Total Maintenance Cost	Combined
All CNG	\$ 7,051,371	\$ 10,912,548	\$ 17,963,918
New CNG	\$ 211,603	\$ 282,300	\$ 493,903
BEBs	\$ 140,219	\$ 34,050	\$ 174,270

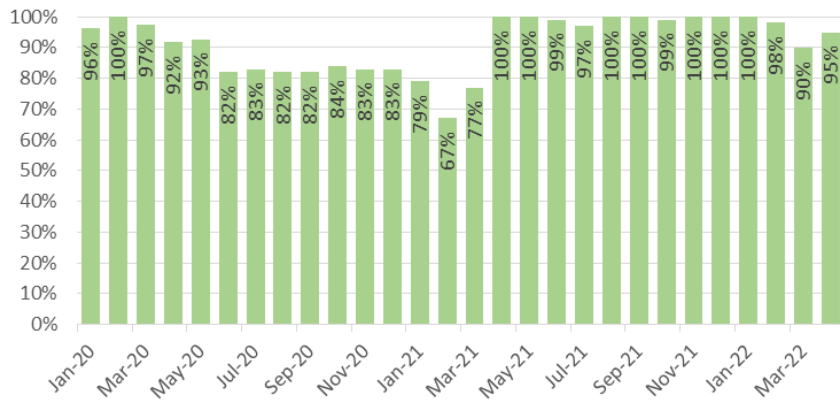


Notes:

- Data is cumulative from Jan-20 to April 22
- CNG maintenance cost/mile includes work order costs only
- New CNG = (1400 Series = 10 buses)

Availability

Avg. Monthly Availability All Stations

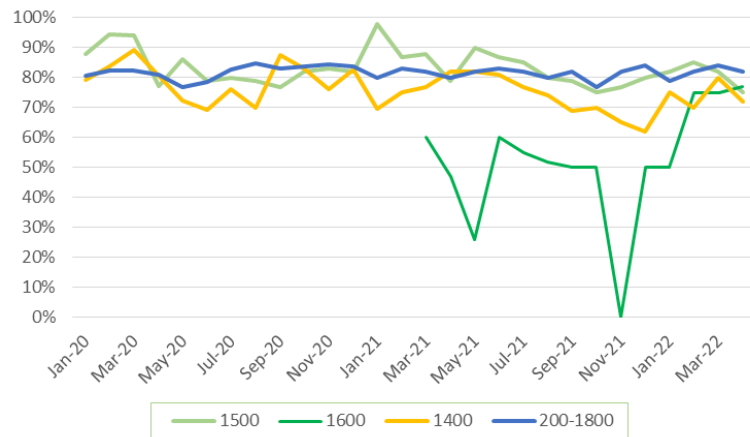


Charger Availability-

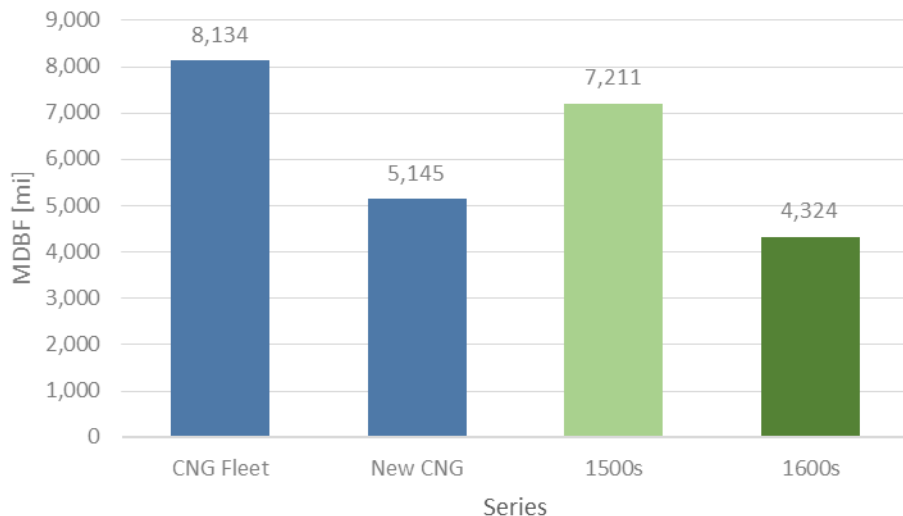
- Stations 1-6 came online in January; Stations 7-12 came online in May
- Data from MTS for through April 2022
- South Bay chargers have been offline due to a circuit breaker issue since May 2020
- Avg = 91%

Bus Availability-

- Data from MTS through April 2022
- Avg for New Flyer = 82%
- Avg for Gillig = 55%
- Avg for CNG = 82%



Mean Distance Between Failures



Note:

- Data for CNG Fleet, New CNG & 1500s from Jan 2020 – April 2022
- 1600s from May 2021 – April 2022