

**School District 10 Electric Bus Fleet Data**

		Number of buses	Total distance Travelled (km)	Total fleet charging time	Grid energy supplied to bus (kWh)	Total fleet net energy used (kWh)	Average efficiency (kWh/km)	Total electricity cost	Diesel equivalent costs	Cost savings	GHG emissions electric bus*	GHG emissions - diesel bus equivalent (kg CO2-e)
2023	January	3	3000	8 Days, 19:16	3719.7	3686.4	1.23	\$464.96	\$2,577.60	\$2,112.64	0	4,500.00
2023	February	3	2889	8 Days, 10:38	3645.2	3278.2	1.13	\$455.65	\$2,482.23	\$2,026.58	0	4,333.50
2023	March	3	2167	5 Days, 21:19	2472.1	2325.1	1.07	\$309.01	\$1,861.89	\$1,552.87	0	3,250.50
2023	April	3	2549	6 Days, 22:45	2861.2	2599	1.02	\$357.65	\$2,190.10	\$1,832.45	0	3,823.50
2023	May	3	3007	7 Days, 1:14	2767.5	2328.3	0.77	\$345.94	\$2,583.61	\$2,237.68	0	4,510.50
2023	June	2	2792	5 Days, 20:5	2464.2	2226.8	0.80	\$308.03	\$2,398.63	\$2,090.60	0	4,187.55
2023	July	2	0	0 Days, 14:54	268.7	0	N/A	\$33.59	N/A	N/A	0	N/A
2023	August	No data										
2023	September	3	2727.4	8 Days, 16:47	2553.14	2316.4	0.85	\$319.14	\$2,343.38	\$2,024.24	0	4,091.10
2023	October	3	3254.9	8 Days, 03:36	3621.33	3079.05	0.95	\$452.67	\$2,796.61	\$2,343.94	0	4,882.35
2023	November	3	5931.2	14 Days, 22:47	6533.91	5826.04	0.98	\$816.74	\$5,096.09	\$4,279.35	0	8,896.80
2023	December	3	4285	12 Days, 21:36	5612.54	4834.82	1.13	\$701.57	\$3,681.67	\$2,980.10	0	6,427.50
			<b>32602</b>		<b>36520</b>	<b>32500</b>			<b>Total</b>	<b>\$23,480.46</b>	<b>Total</b>	<b>48,903.30</b>
			2023 total kms driven		2023 total fleet energy charged (kWh)	2023 total fleet energy used (kWh)						

**Fuel Cost Savings**

During January - December 2023, School District 10's electric school bus fleet saved approximately **\$23,480** in fuel costs compared to a diesel equivalent fleet.

**GHG Emission Savings**

During January - December 2023, School District 10's electric school bus fleet saved approximately **48,903kg** in CO2-e emissions compared to a diesel equivalent fleet.

**Assumptions**

- \$0.125 per kWh      Average electricity rates (BC Hydro)\*\*
- 0.48 L/km      Average consumption - diesel bus
- 1.79 \$/L      Average diesel cost
- 1.5 kg CO2e/km/bus      GHG emissions - diesel bus

\* assuming diesel fired heater is not used

\*\* Fleets with an annual maximum demand of at least 150 kW are eligible for reduced overnight electricity rates through BC Hydro, must be provided by separate meters.