**Electric Bus and Chargers Form**Public Purpose Charge (SB 1149) Schools Program

**Contact Information**

School District: Click or tap here to enter text.

Contact Person and Title: Click or tap here to enter text.

Mailing Address: Click or tap here to enter text.

Phone: Click or tap here to enter text.

E-mail: Click or tap here to enter text.

**Form Prepared By *(if other than SD filling out form)***

Organization/Firm: Click or tap here to enter text.

Contact Person and Title: Click or tap here to enter text.

Mailing Address: Click or tap here to enter text.

Phone: Click or tap here to enter text.

E-mail: Click or tap here to enter text.

**Has fleet audit been completed and submitted to ODOE?** Click or tap here to enter text.

***(If not, then please see fleet audit details on*** [***SB 1149 Schools Program website***](https://www.oregon.gov/energy/energy-oregon/Pages/Public-Purpose-Charge-(SB-1149)-Fleet-Audits-Electric-Vehicles-and-Charging-Stations.aspx)***.)***

**Electric Chargers**

*Only fill out this section if requesting SB 1149 funds for electric chargers*

* Does the School District have any electric buses currently? Click or tap here to enter text.
* Is there currently electric charging infrastructure? *If so, please provide location, use details and type of chargers, etc.:*  Click or tap here to enter text.
* Please provide details for chargers being requested with SB 1149 funds:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Charger Level** | **Manufacturer** | **Model #** | **Power Output (kW)** | **Year** | **# Requested** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

* Please provide the connector type for each charger:

|  |  |  |
| --- | --- | --- |
| **Charger Model #** | **Connector Type** | **Connector Count per Charger** |
|  |  |  |
|  |  |  |
|  |  |  |

* Please provide site location(s) of charger (s) including facility name and address: Click or tap here to enter text.
* Will the charger be owned by the School District? Click or tap here to enter text.

*If not, then please list owner.* Click or tap here to enter text.

* Will the charger be available for School District EVs, School District staff for personal vehicles and/or will it be available for public use? *Please also estimate percent of use (e.g. 50% workplace, 40% staff, 10% public)* Click or tap here to enter text.
* Will the School District charge a fee for use of charger? *Please specify if fee would apply to staff and/or public.* Click or tap here to enter text.
* Has the School District discussed infrastructure with electric provider?Click or tap here to enter text.

*If so, any concerns, details that were discussed.* Click or tap here to enter text.

* Will the charger have its own electric meter with the School District’s electric provider account? Click or tap here to enter text.

*If not, then which electric bill/meter will the charger be included with.* Click or tap here to enter text.

**Electric Charger Costs**

Please provide total project cost estimate including details below. If contractor estimate is provided with broken out details, then table below is not required if estimate is attached.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Equipment Cost** | | | **Labor Cost** | | | |  |
| **Charger Type** | **Qty** | **Unit** | **Total** | **Hrs/Unit** | **$/Hour** | **$/Unit** | **Total** | **Total Cost** |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Subtotal Equipment & Labor** |  |  |  |  |  |  |  |  |
| Design & Engineering costs |  |  |  |  |  |  |  |  |
| Software costs |  |  |  |  |  |  |  |  |
| Permitting fees |  |  |  |  |  |  |  |  |
| Auxiliary equipment costs *(wiring, conduit, breakers, disconnects, etc.)* |  |  |  |  |  |  |  |  |
| Construction Costs *(trenching, paving, etc.)* |  |  |  |  |  |  |  |  |
| Electrical installation costs *(if separate from labor costs)* |  |  |  |  |  |  |  |  |
| Other costs: *Please specify* |  |  |  |  |  |  |  |  |
| **Total Costs** |  |  |  |  |  |  |  | $ |

**Electric Charger Other Incentives / Grants**

* Will the School District be applying for any other utility incentives or grants for the chargers? *If so,* *then please provide details on potential incentive or grant, the potential award and timeframe of award notifications.* Click or tap here to enter text.

**Electric Buses**

*Only fill out this section if requesting SB 1149 funds for electric bus(es)*

1. Will the School District use the electric bus for student transportation of any kind? Click or tap here to enter text.

*If so, then please work with the Oregon Department of Education on any rules/regulations/requirements for student transportation.* [ODE contact information](https://www.oregon.gov/ode/schools-and-districts/Pages/default.aspx)

1. Number of bus(es) being requested for SB 1149 funds reimbursement: Click or tap here to enter text.

Please provide, the details on bus(es) requested within the table:

*If leasing any buses, provide length of lease term*: Click or tap here to enter text.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Bus** | **Make** | **Model** | **Type** | **Year** | **Battery Size (kWh)** | **Total Range (Miles)** | **Cost** | **Purchase or Lease** |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |

Will the School District be replacing an existing bus with an electric bus?

*If so, then please provide information below to reference bus details in fleet audit:*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bus** | **Plate #** | **Make** | **Model** | **Type** | **Year** |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |

**Electric Bus Other Incentives / Grants**

* Will the School District be applying for any other utility incentives or grants for the electric bus? *If so,* p*lease provide details on potential incentive or grant, the potential award and timeframe of award notifications.* Click or tap here to enter text.

**SB 1149 Funds for Electric Buses and Chargers**

SB 1149 eligible amounts are not considered approved for reimbursement until after the School District has completed and submitted the fleet audit, the Electric Bus and Chargers Form, and receipts and final cost documentation to ODOE with a request for reimbursement, and ODOE has supplied an approval to reimburse confirmation e-mail.

* **SB 1149 Eligible Portion for Reimbursement for Chargers**

100% of charger cost to the School District for dedicated units to electric bus fleet

* **SB 1149 Eligible Amount for Reimbursement for Electric Buses**

Type A Buses – up to $250,000 per bus

Type C/D Buses – up to $300,000 per bus

*The SB 1149 eligible cost is valid through December 31, 2022, unless otherwise approved by ODOE. Eligible costs will be re-evaluated for 2023.*

*SB 1149 eligible amounts are not to exceed 100% of purchase price minus any other funding the School District receives.*

**School District Savings**

If your School District is considering replacing a bus with an electric bus or adding an electric bus to your fleet, these are some estimated potential savings:

**Estimated Fuel Cost and Greenhouse Gas Emissions:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Fuel Type** | **Fuel Efficiency\*\*** | **Unit** | **Price** | **Per unit** | **Price per mile** | **Annual Miles** | **Annual Fuel Cost** | **Annual Emissions lbs of CO2 \*\*\*** |
| Compressed Natural Gas | 4 | MPG | $ 2.59 | Gallon | $ 0.65 | 12,000 | $ 7,800 | 57,000 |
| Diesel | 8 | MPG | $ 6.19 | Gallon | $ 0.77 | 12,000 | $ 9,240 | 58,000 |
| Propane | 7 | MPG | $ 3.53 | Gallon | $ 0.50 | 12,000 | $ 6,000 | 35,000 |
| Electricity | 75 | Miles per charge | $ 13.95 | Charge\* | $ 0.19 | 12,000 | $ 2,280 | 18,000 |
| ODOE used Oregon rates where feasible.  \* Estimate that each charge is 155 kWh and electricity average cost is $0.09 per kWh. Electric rate from [EIA](https://www.eia.gov/electricity/state/Oregon/) as of 07/25/2022.  \*\* CNG & Propane rates from [USDOE Alternative Fuels Data Center National Average prices](https://afdc.energy.gov/fuels/prices.html). MPG in calculations are average MPGs pulled from different bus manufacture sites and only used to show estimated fuel savings for the SB 1149 Schools Program.  \*\*\* Diesel rate from [AAA](https://gasprices.aaa.com/?state=OR) as of 07/25/2022.  \*\*\*\* CO2 emissions above come from using the average annual vehicle details above in Fuel Savings section of form as inputs within the[US DOE Vehicle Cost Calculator*.*](https://afdc.energy.gov/calc/)CO2 emissions are consistent with the Oregon DEQ emissions factors. | | | | | | | | |

**Estimated Fuel Savings:**

**CNG to EV is *$5,520* per year**

**Diesel to EV is *$6,960* a year**

**Propane to EV is *$3,720* a year**



A picture containing building

Description automatically generated

**Estimated Greenhouse Gas Emissions Savings:**

**CNG to EV is *39,000 lbs CO2* a year**

**Diesel to EV is *40,000 lbs CO2* a year**

**Propane to EV is 17,000 *lbs CO2* a year**

