

HF2234 - 0 - County Gov't Centers Electric Vehicle Charging

Chief Author: **Greg Boe**
 Committee: **Climate And Energy Finance And Policy**
 Date Completed: **4/15/2021 12:12:34 PM**
 Agency: **Commerce Dept**

State Fiscal Impact	Yes	No
Expenditures	X	
Fee/Departmental Earnings		X
Tax Revenue		X
Information Technology		X
Local Fiscal Impact		X

This table shows direct impact to state government only. Local government impact, if any, is discussed in the narrative. Reductions shown in the parentheses.

State Cost (Savings)	Biennium			Biennium		
	Dollars in Thousands	FY2021	FY2022	FY2023	FY2024	FY2025
Renewable Development	-	4,100	-	-	-	-
Total	-	4,100	-	-	-	-
Biennial Total			4,100			-

Full Time Equivalent Positions (FTE)	Biennium			Biennium	
	FY2021	FY2022	FY2023	FY2024	FY2025
Renewable Development	-	.25	-	-	-
Total	-	.25	-	-	-

LBO Analyst's Comment

I have reviewed this fiscal note for reasonableness of content and consistency with the LBO's Uniform Standards and Procedures.

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State Cost (Savings) Calculation Details

This table shows direct impact to state government only. Local government impact, if any, is discussed in the narrative. Reductions are shown in parentheses.

*Transfers In/Out and Absorbed Costs are only displayed when reported.

State Cost (Savings) = 1-2		Biennium			Biennium	
Dollars in Thousands	FY2021	FY2022	FY2023	FY2024	FY2025	
Renewable Development	-	4,100	-	-	-	-
Total	-	4,100	-	-	-	-
Biennial Total			4,100			-
1 - Expenditures, Absorbed Costs*, Transfers Out*						
Renewable Development	-	4,100	-	-	-	-
Total	-	4,100	-	-	-	-
Biennial Total			4,100			-
2 - Revenues, Transfers In*						
Renewable Development	-	-	-	-	-	-
Total	-	-	-	-	-	-
Biennial Total			-			-

Bill Description

HF2234 directs the commissioner of commerce to develop and fund the installation of a network of electric vehicle charging stations in parking facilities located at county government centers throughout Minnesota.

In developing the request for proposal, the Department must establish technical specifications and require responders to address the optimal number and location of charging stations, alternative arrangements proposed to allocate responsibility for EV charging station owners, and operation, maintenance and billing procedures.

Assumptions

The following is assumed:

- In Minnesota, according to US DOE, there are currently 898 Level 2 charging plugs with an average of 2.1 plugs per charging station; 191 DC fast charging plugs with an average of 2.7 plugs per charging station. Based on current development practices, it is assumed that each site would consist, on average, of one DC fast charger and two Level 2 chargers.
- Estimated cost of DC fast charger (50 KW) plus two level 2 chargers = \$5,200 to \$76,400 per charging station site, plus electrical upgrades. Based on these assumptions, it is estimated that the average cost of a grant will be \$50,000 for a total of 70 to 100 sites to receive funding. If cost share were required, the total cost per site would decrease resulting in a higher number of projects implemented.
- The Department of Commerce will draft the request for proposal required under Subd. 2.
- Commerce will be responsible for executing the contract(s) with the qualifying entities.
- Commerce' role will be to provide technical expertise related to the capacity and placement of the charging stations, contracting expertise, Americans with Disabilities Act charging station requirements, and evaluation criteria for the proposal.
- The installation, operation, and maintenance of the electric vehicle charging stations may be included in the request for proposal but the ownership will fall to the County Government Center where located. Commerce also assumes, for administrative efficiency, grant contracts will be executed with the county, who would then contract with the installers.
- Program development includes development of administrative procedures, 1:1 technical assistance to county governments statewide, and RFP development with a program funding level of \$4.1 Million.
- Based on these assumptions the following timeframe is anticipated:
 - RFP development = 40 hours

- Admin procedures = 20 hours
- Review of grants = 120 hours to review 30 applications, with multiple sites per application
- Technical assistance for county government staff = 340 hours

This would equate to .25 FTE SPA Senior (10L) for one year.

Expenditure and/or Revenue Formula

\$4.1M grant program, including administrative costs outlined below:

			FY22
Salary			14,867
Fringe			4,460
Other Personnel Related Costs			6,149
			25,475

Installation costs vary greatly from site to site estimated cost range from \$600- \$12,700 for Level 2, and \$4,000-\$51,000 for DC fast charging.

Long-Term Fiscal Considerations

Local Fiscal Impact

May require some electric service upgrades and site prep work.

References/Sources

Information on costs: <http://www.energy.gov/>

<https://www.energy.gov/eere/vehicles/fact-910-february-1-2016-study-shows-average-cost-electric-vehicle-charger>

Information on EV charging structures from the Electric Vehicle Infrastructure Projection Tool (EVI-Pro) Lite through the National Renewable Energy Lab (NREL)

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