



CITY OF FLAGSTAFF

Electric Vehicle Charging Fees Analysis – 2025

Executive Summary

The City Management Services Division and Sustainability Division have prepared a fee analysis for providing electric vehicle charging to the public. The proposed fee structure is intended to recover the cost of providing electric vehicle charging at City-owned stations and encourage vehicles to be moved once charged.

Staff plans to propose the Electric Vehicle Charging Fees to the City Council at the May 6, 2025, and May 20, 2025, Council meetings. It is anticipated that an Ordinance will be adopted with the new fee at the May 20, 2025, Council meeting with an effective date of July 1, 2025.

Electric Vehicle Charging Fees Proposal

Staff Proposal

The City of Flagstaff currently provides free electric vehicle charging to the public at 18 City-owned charging stations. As demand has grown and electricity rates have increased, the costs of providing this service have increased. Furthermore, vehicles are often “idling” at the City’s charging stations – meaning they remain plugged in after the vehicle battery is fully charged, preventing other vehicles from charging. On average, 25% of the time a vehicle is at a City-owned station, the vehicle is fully charged and blocking the space. There is a higher prevalence of idling at the Flagstaff Pulliam Airport, despite having implemented a 3-hour limit at the site.

Following direction from the City Council, staff developed Electric Vehicle Charging Fees to address the cost considerations of managing the public electric vehicle charging service and encourage vehicles to be moved once charged. To develop the proposed fees, staff evaluated the operational expenses and indirect cost allocation for the service.

Cost of Service	Annual Costs
Electricity	\$50,000
Software Expenses	\$4,000
Maintenance Expenses	\$2,500
Indirect Costs	\$5,500
Total Cost of Service	\$62,000



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A two-part fee structure is recommended to achieve cost recovery and encourage vehicles to be moved once fully charged or, in the case of the Airport, once the time limit has been reached.

Fee While Charging	Cost of energy per kilowatt hour (kWh) + 10%* (Current rate: \$0.39 per kWh)
Fee While Idling (After fully charged or over the time limit)	
Downtown	\$1.00 per 15-min
Airport	\$1.00 per 15-min after 3-hour limit (up to \$100.00)
Other	\$2.00 per hour

*The cost of energy shall be calculated as the total APS bill for public electric vehicle charging station accounts divided by the total energy (kWh) consumed for the most recent year or most recent quarter following an APS rate increase. The additional 10% is the fee assessed to the City by the vendor for using the billing software.

This fee structure ensures the full cost of energy consumed by the service is recovered, which is the City's largest expense in providing electric vehicle charging to the public. The use of an idling fee is intended to motivate good charging etiquette. The City anticipates that these fees will reduce idling but not eliminate it. The revenue from the idling fee will be used to recover expenses for maintenance, software, and indirect costs of providing electric vehicle charging to the public. If revenue exceeds the costs of providing the service, the monies will be used to support the installation of additional public charging stations.

Lastly, staff evaluated market rates and found that the proposed Electric Vehicle Charging Fees are in line with market rates for this type of public electric vehicle charging in the region and across Arizona.

The City Council may approve, disapprove, or modify the proposed fees during its adoption.