

# County of Mendocino Electric Vehicle Charger Fees



# Fee Rates for County Charging Stations

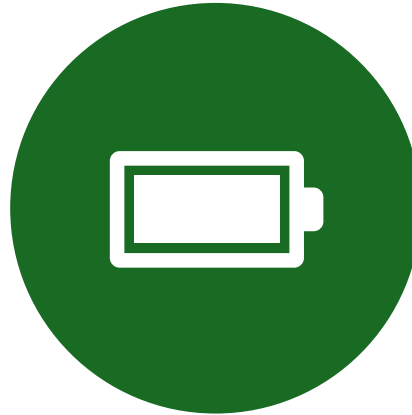
- The County of Mendocino currently has one installed public Electric Vehicle (EV) dual port charging station and is in the process of installing 24 additional stations in conjunction with a grant from the California Energy Commission.
- The Facilities Division has conducted a study of how revenues from the EV charging fees could compare to the costs of operating and maintaining the public chargers installed.
- The Facilities Division is requesting Board direction on the methodology used in determining the fees to charge as well as direction on level of cost recovery.



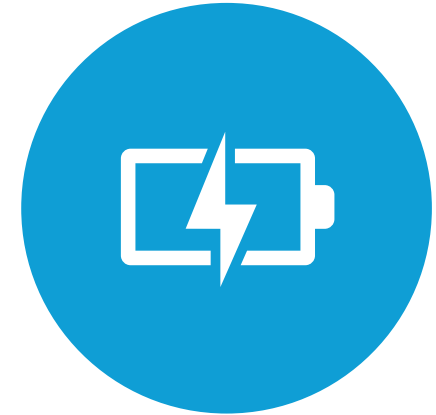
# Proposed Fee Components



PER HOUR CHARGE - ROUNDED UP TO NEAREST WHOLE CENT (BASED ON PASS THRU OF CURRENT UKIAH RATE + 10% CHARGEPOINT FEE).



OVERSTAY CHARGE - PER HOUR (AFTER FIRST 30 MINUTES) FOR CHARGER NON-USE.



GUEST FEE - STANDARD ONE TIME FEE FOR EACH CHARGING SESSION.

# Mendocino County Proposed Charge Rate

## **Per Hour Charge:**

While Charging

Energy Rate

\$/kwh - City of Ukiah Rate (Pass through)

+ 10% (ChargePoint Fee)

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## **Overstay Charge:**

While Not Charging

\$3.00 per hour

Grace Period

30 minutes

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## **Guest Fee:**

\$.99 per charging session (based on comparable locations)

# Revenue Analysis

- Due to a high number of variables, it is difficult to accurately calculate a financial impact.
- The analysis below assumes no Overstay Charges, to normalize the analysis. The analysis assumes all 26 ports are available 365 days per year.
- Using \$0.99 as the Guest Fee, the following analysis shows the number of connections per port per day needed to cover various levels of costs.

Expense Type	Annual Costs	Annual Costs	Annual Costs
Software	\$ 9,490.00	\$ 9,490.00	\$ 9,490.00
Parts/Warranty	\$ 6,450.00	\$ 6,450.00	\$ 6,450.00
Replacement Cost for Dual Port Charger		\$ 11,100.00	\$ 11,100.00
Replacement Cost for Single Port Charger		\$ 2,808.00	\$ 2,808.00
Contractor/Electrician Replacement Labor		\$ 7,500.00	\$ 7,500.00
County Employee Labor (2 hr/Week)			\$ 5,720.00
County Costs for Repairs			\$ 6,500.00
<b>Total Costs</b>	<b>\$ 15,940.00</b>	<b>\$ 37,348.00</b>	<b>\$ 49,568.00</b>
Number of Ports	26	26	26
Number of Days Available	365	365	365
<b>Ports x Days =</b>	<b>9,490</b>	<b>9,490</b>	<b>9,490</b>
Guest Fee	\$ 0.99	\$ 0.99	\$ 0.99
Overstay Fee Revenue (\$3.00 x Ports x Day)			
<b>Number of Connections per Port per Day Needed to Cover Costs</b>	<b>1.70</b>	<b>3.98</b>	<b>5.28</b>

- As reference Mendocino College had 319 connections in one year over 9 ports

# Financial Impact

- If the Board's direction is to focus on full cost recovery including future replacement costs, the impact could mean the public may have a significantly greater per-mile cost when compared to charging at home or at other local options.
- If the Board's direction is to offer competitive EV charging options for the public, there will likely be an impact to the General Fund. The full impact is unknown and will not be able to be calculated until we have utilization data.

# City of Ukiah Charge Rate

Prices Set by City of Ukiah -Electric Utility

Energy Rate  
\$0.21 / kWh

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Station Time Rate

While Charging  
\$0.00 / hour

While Not Charging  
\$3.00 / hour

Grace Period  
30 minutes

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Guest Fee  
\$0.99 / session



# Sonoma County Charge Rate

## Regulations

### *What are local governments doing?*

Several local governments have adopted fees and/or time limits for publicly-operated chargers. Fees and time limits help to create turnover, ensuring that chargers are available for vehicles that need them. Fees also allow local governments to recoup the costs of installing, operating, and maintaining chargers.

- Santa Rosa and Petaluma charge \$2 to connect to a charger plus \$1 per hour of charging.
- Healdsburg charges \$0.50 per hour to charge.
- Santa Rosa and Healdsburg have adopted four-hour time limits for charging vehicles. Santa Rosa reported that the police recently began enforcing these time limits as chargers became more utilized to ensure their availability.
- Sonoma County charges \$2 to connect to a charger, \$1 per hour for the first four hours, and \$10 per hour thereafter.

The County of Sonoma has also adopted design guidelines for all public charger installations in the county.<sup>5</sup> Though many local governments have time limits ranging from two to four hours on charging vehicles at public chargers, staff unevenly enforce these limits, with some hardly enforcing them at all, and others only enforcing them in locations where people have reported incidences of non-charging vehicles using spaces.





Questions?