



# CITY COUNCIL WORK SESSION MEMO

<b>DEPARTMENT</b> Public Works	<b>PRESENTED BY</b> David Lady - Public Works Director	<b>DATE</b> November 20, 2023
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## ITEM

City Owned EV Charging Station Update

## BACKGROUND

The Salida City Council and Mayor established initiatives in prior years to support the funding and installation of multiple EV car charging stations. In 2019 and in 2020 staff worked with the Colorado Energy Office on multiple grant applications to partially fund the installation of five, dual port, Level II, EV car charging stations as shown on the attached exhibit. Charging rates were not established at the time of installation. Since installation, the charging software has recorded detailed analytics such as energy consumption, driver demands, and other relevant information. See the attached figures for examples of this information.

Currently, these chargers require maintenance and software subscriptions that have annual license fees. The stations also consume electricity through XCEL meters which are paid for by the City. An estimation of current annual expenses are provided below.

Annual Costs			
Description	Metering Costs to XCEL (Est. ~\$120/month/site)	Maintenance Costs (software + repair contract)	Total
Five (5) Dual Port Level II Stations	\$7200	\$7325	\$14,525

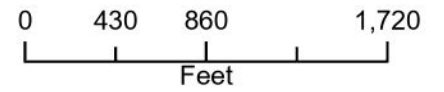
Annual Revenue Estimates Based on Existing Usage			
Year	Actual Totalized Energy Consumption	Potential Revenue at \$0.14/KWH	Potential Revenue at \$0.20/KWH
2021	42,000 kWh (42 MWH)	\$5,880	\$8,400
2022	46,000 kWh (46 MWH)	\$6,440	\$9,200

Rates at public and private EV charging stations can vary considerably across the country. If the City were to consider setting a rate for the current chargers, it is anticipated that the rate should be competitive with the market in order to encourage the use of the stations. The competitive low rate suggested by the charging station company was \$0.14/KWH. Other local Level II charging stations have existing rates ranging between \$0.20/KWH during off-peak hours and \$0.45/KWH during peak hours. The annual revenue estimates shown above did not include a peak surcharge. With additional user growth and consideration of a peak rate, it is likely that the stations could break even in the next couple of years.

Staff is requesting feedback from Council regarding the setting of rates for the EV car charging stations. The software on the stations is already in place for processing rates. If rates are directed, they could be incorporated into the 2024 Fee Schedule for future Council review and approval.



EV Charger Locations



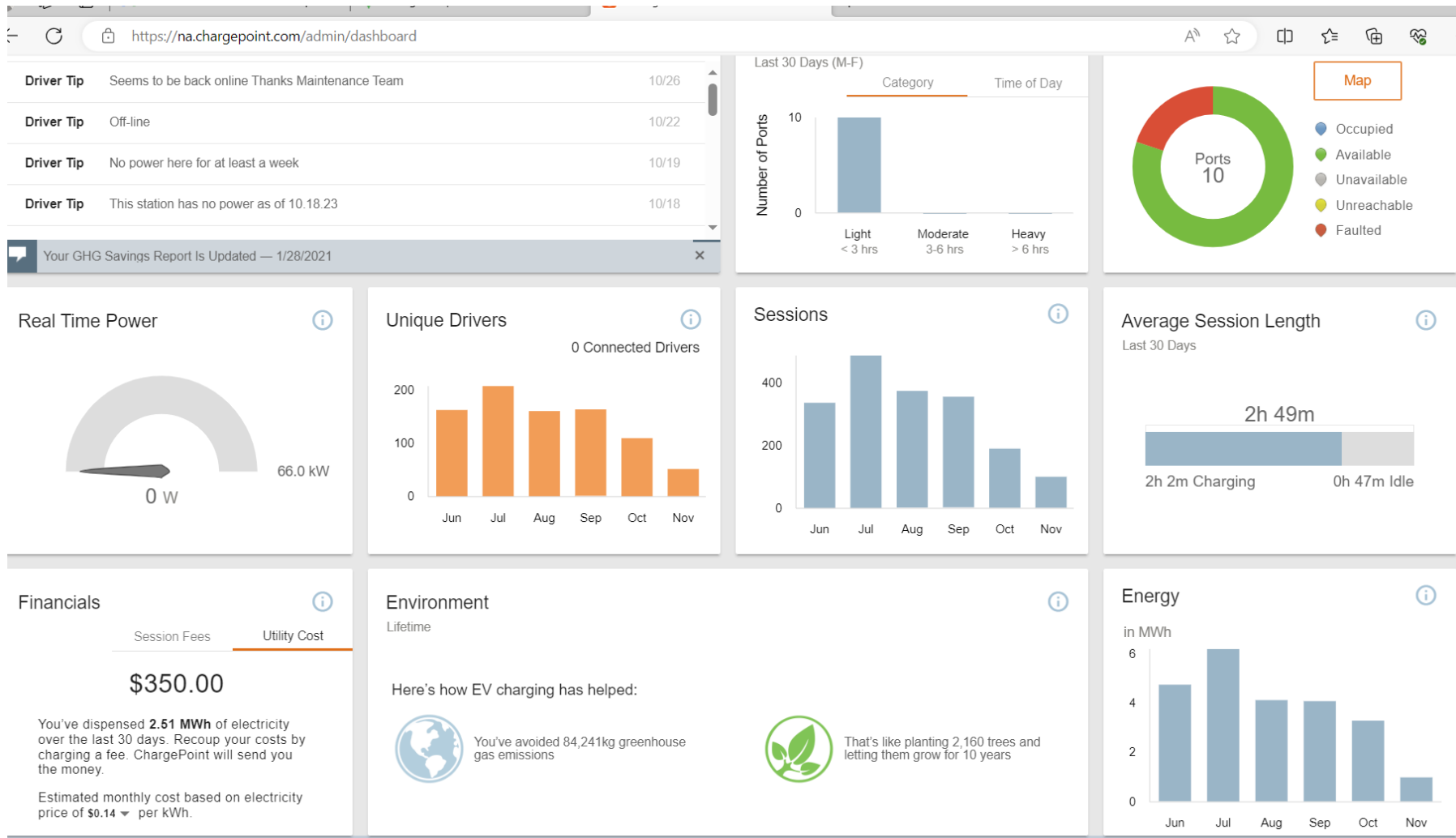


Figure 1- Salida EV Charges – Owner Dashboard

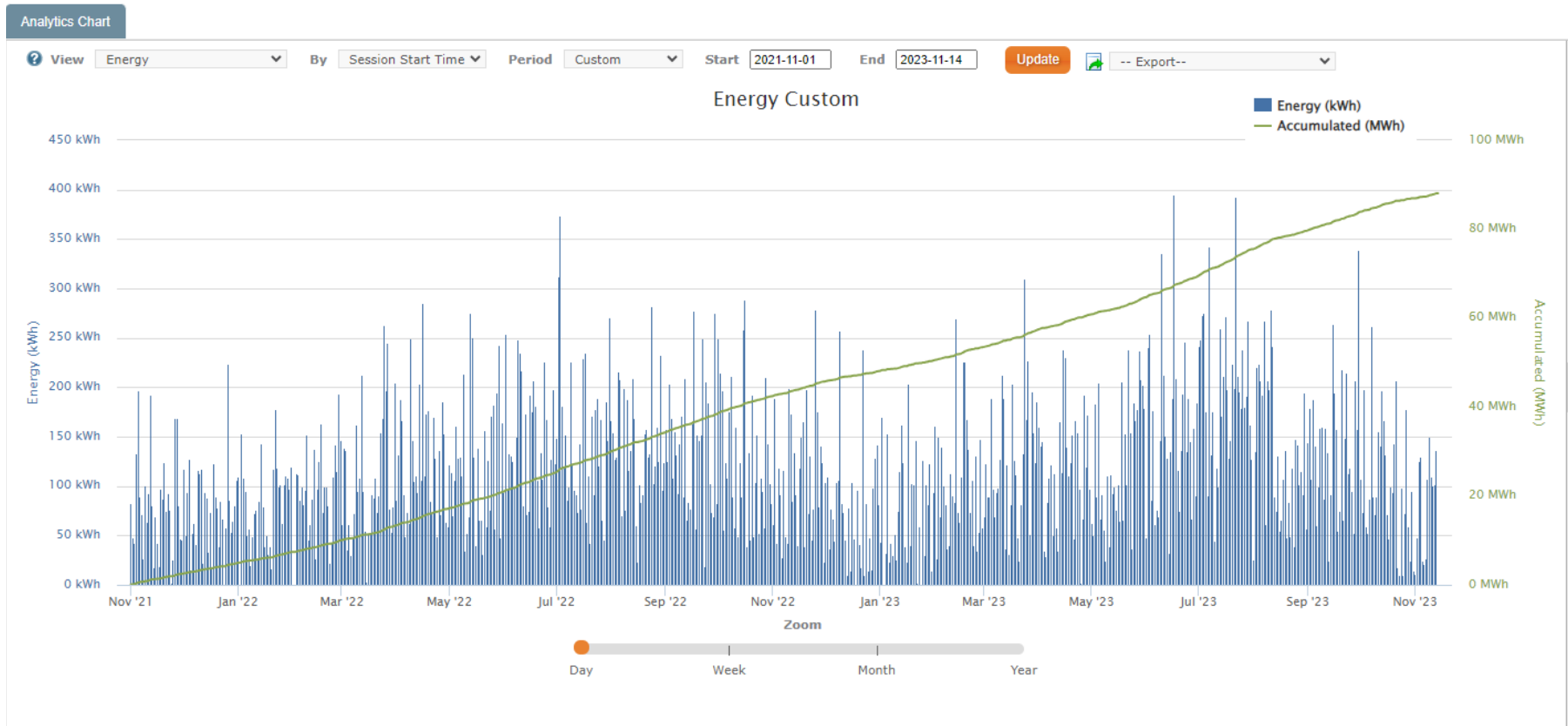


Figure 2- Two Year Consumption Trends