



Authorization For Expansion Of Electric Vehicle Charging Infrastructure At County Facilities And Amend 2022 Fleet Capital Equipment Program Budget

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- Purpose
- Evolution of County Fleet
- History of Electric Vehicle (EV) Charging in County Fleet
- External Funding Opportunity
- Recommendation

- Expand electric vehicle charging infrastructure at main service centers (NSC, WSC, ADC) and the Empire Central Maintenance Facility
- Amend the 2022 Fleet Capital Equipment Program
- Adopt strategy of investing in Fleet electrification when justified.

County Fleet Evolution



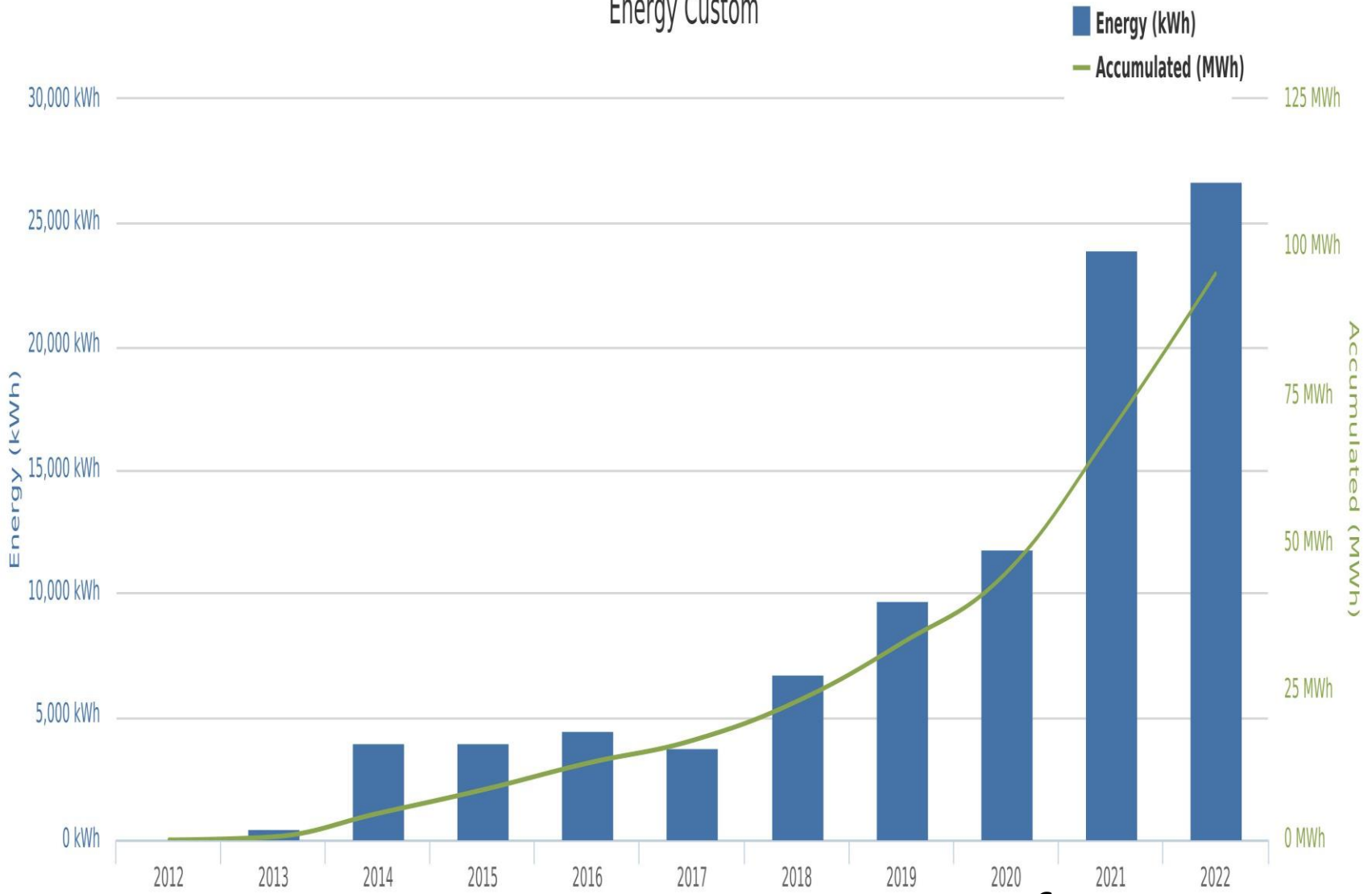
- 2006 – Creation of Centralized Fleet
- “Right-sizing” the fleet:
 - Elimination of 162 units
 - “Right-sizing” 63 units
- Pre-purchasing fuel
- Transition to Hybrids and BEV’s
 - 10 Battery Electric Vehicles
 - 68 Hybrid units
 - 62% of all small equipment now electric

- Dual Public Charging stations:
 - 4 parks, 2 libraries, 1 maintenance facility
- Public usage at these sites has increased dramatically over last 3 years
- Recommend charging public for use effective 1/1/2023
 - \$1 to hookup and \$0.15 per KW
 - Included in 2023 recommended Fleet fee schedule

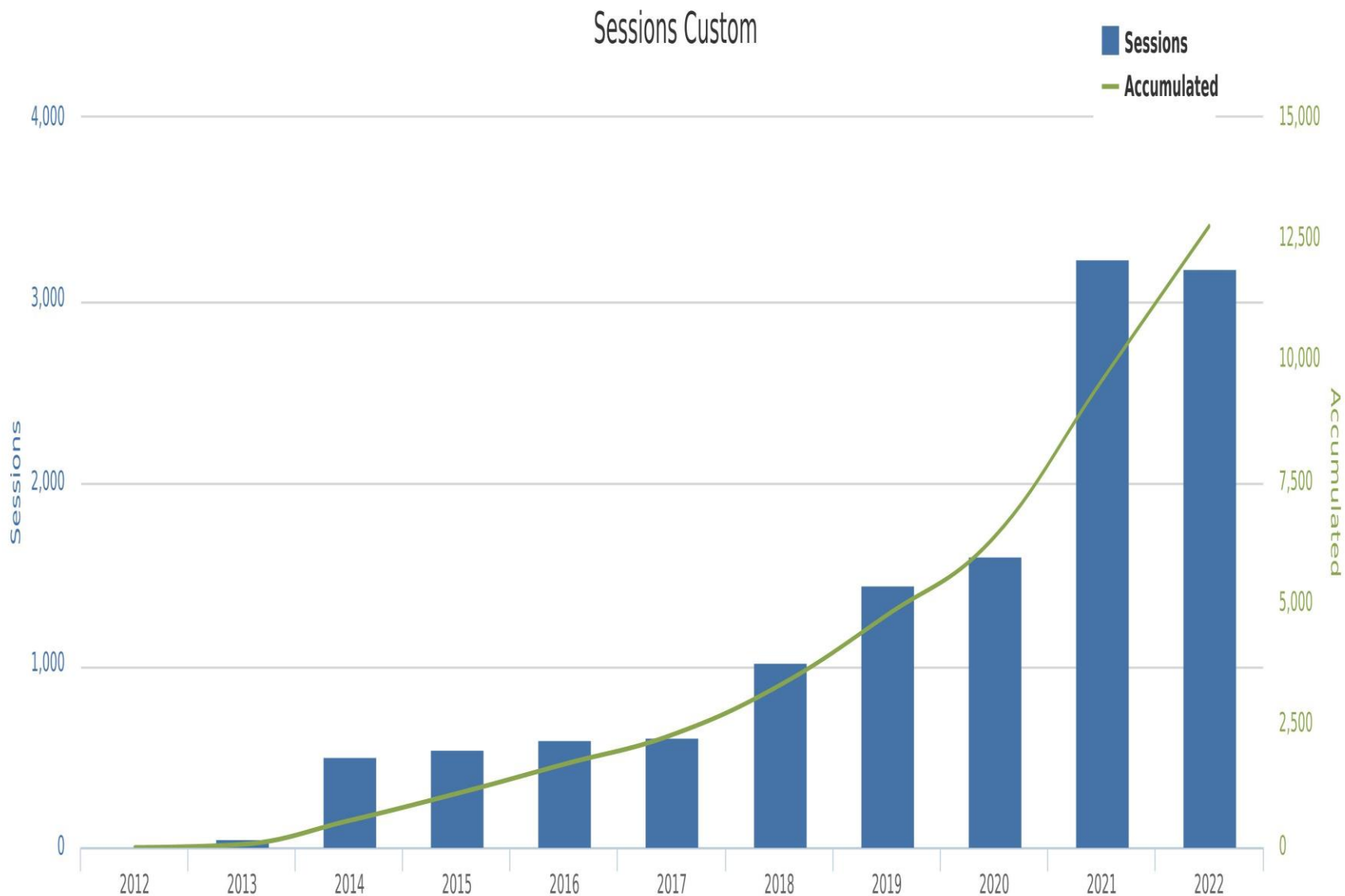
EV charging energy usage



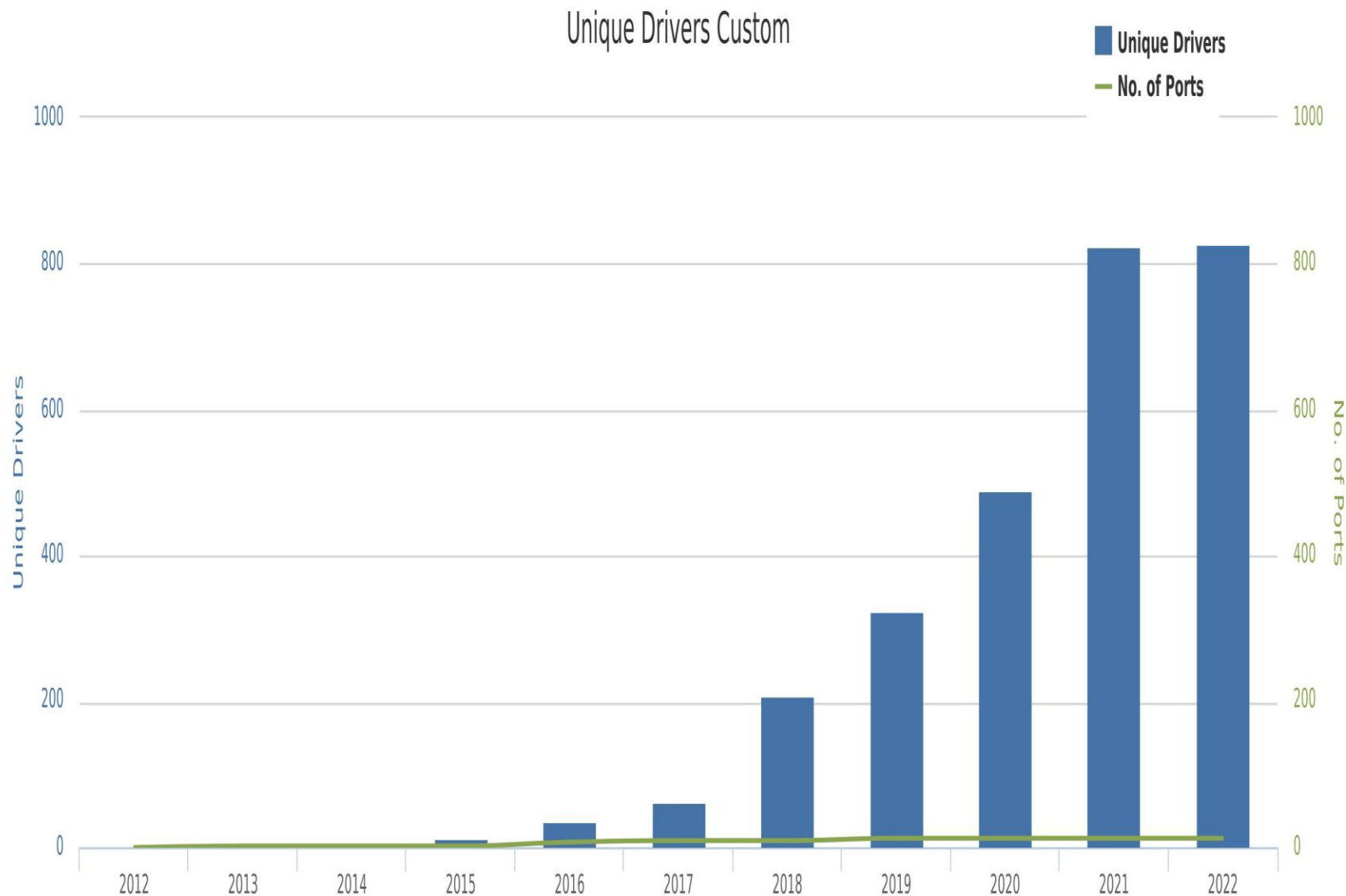
Energy Custom



EV charging sessions

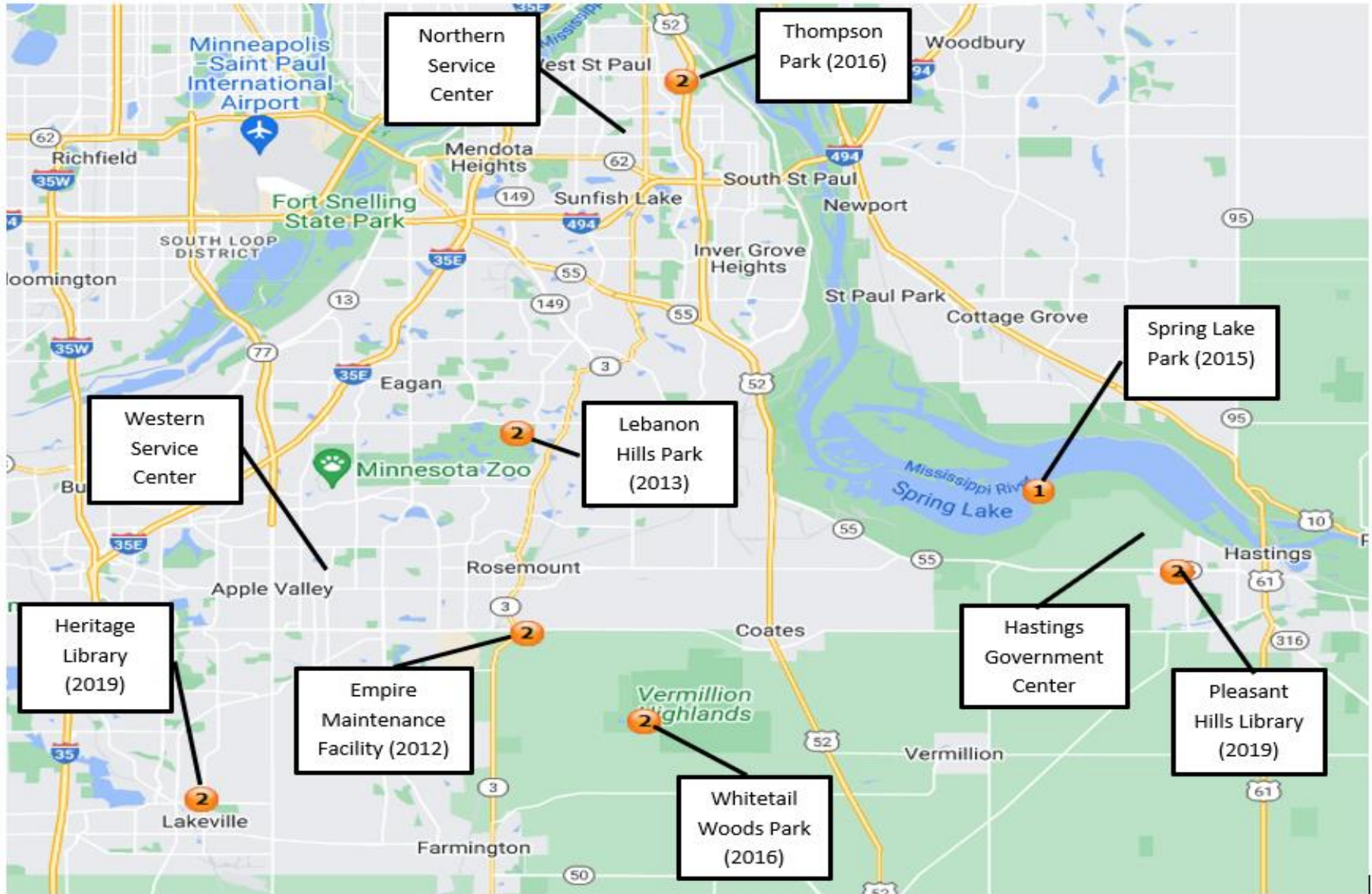


EV Charging Unique Users



- Xcel Fleet program covers all infrastructure costs to connect building power to EV charger.
- DEA will contribute \$1,250 per plug-in (\$2,500 per dual station).
- State Contract pricing for dual station is approximately \$13,000 each.
- Cost to install 8 Level 2 EV Charging stations at 4 sites - \$104,000

EV Locations



- Adopt strategy of investing in Fleet electrification when justified.
- Authorize the County Manager to use Countywide BIP to expand EV Charging at 4 County sites.
- Amend the 2022 Fleet CEP to use County funds to expand County EV charging sites.

Thank you for your consideration of this request.

GHG Reduction



GHG Savings Custom

