CONFIDENTIAL INFORMATION

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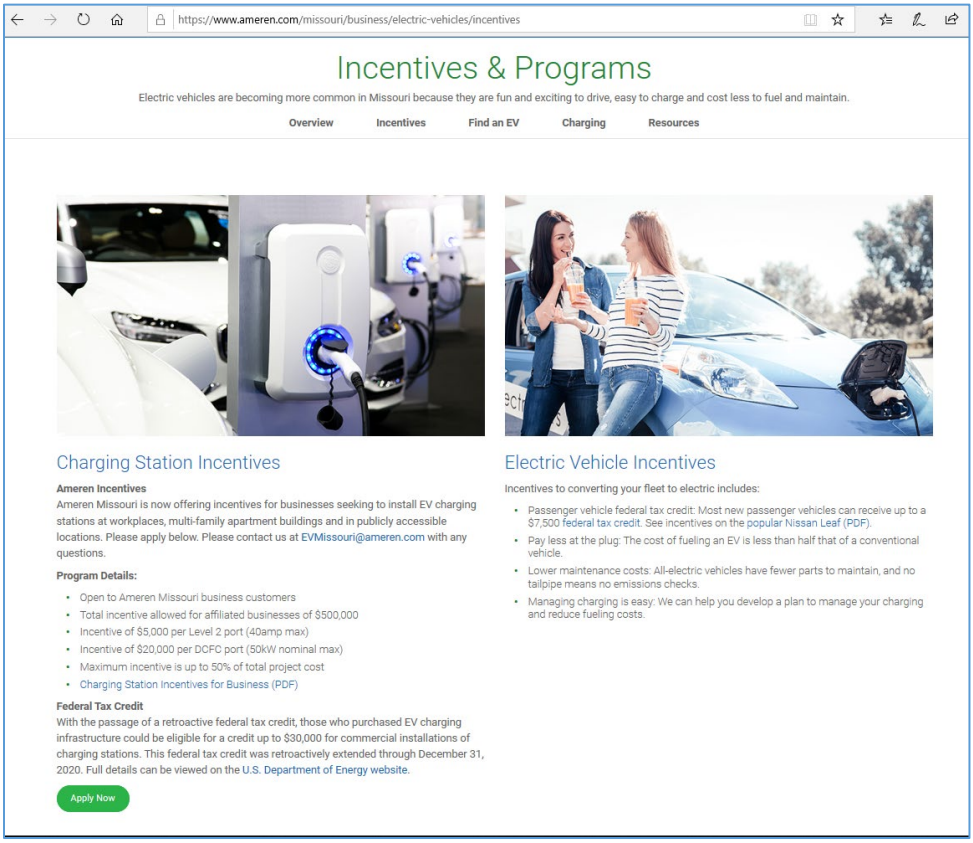
Ameren Missouri Charge Ahead Annual Report
Electric Vehicle Charging – Local Charging Incentive Program
Annual Report for CY 2020

This report comprises the 2020 annual report on the subject case and topics. The report includes this narrative document as well as the associated Excel spreadsheet files, cumulative report of EV registration data, Annual Education and Admin Costs, Annual Costs by FERC Accounting, and an update on the WattTime pilot.

Note: The due date for the annual reports for Charge Ahead – Local Incentive Program is within 120 days of the end of each program year.

Local Charging Incentive Program

The Ameren Missouri Local Charging Station Incentives Program opened on January 13, 2020, and business customers can apply through the program application portal linked to the green "Apply Now" button on the Ameren Missouri EV business incentives Web page:



Thank you for your interest in this program.

To complete the application process, you will need to enter details regarding the following items:

Your Contact and Business Information

- Business Name
- Address, Phone/Email
- Ameren Missouri Electric account number
- Contact Name
- Contact Address/Phone/Email
- W9
- Payment preference (check or bill credit). Download the Payment Release Authorization Form if re-assigning incentive payment to the installer.

Contractor Information (if not self-install)

- Contractor Name
- Contractor Address
- Contact Name
- Contact Address/Phone/Email

Project Information

- Number of ports and charging rate of each
- Equipment Make
- Equipment Model
- Site Plan including electrical diagram and pictures
- Electrical supply details-panel has sufficient capacity/is capacity review needed/additional service on site requested

Estimated Costs

- Equipment (charger, pedestals, cord management etc.)
- Labor
- Site Preparation (trenching/boring, conduit/wiring, concrete/asphalt)
- Battery Storage

Note: Ameren Missouri must pre-approve project prior to construction

Are you ready to begin your application?

Begin Application

Education and Outreach Activities

The Efficient Electrification Team is actively raising awareness of the benefits of EVs through targeted educational outreach to customers via virtual community events, outreach to professional associations, outreach to Key/Regional accounts, email marketing campaigns and through social media. A parallel educational outreach effort is engaging Electric Vehicle Partners (EVPs) such as auto dealers, electricians, building design professionals, and charging station suppliers. EVPs stimulate customer knowledge of and interest in EVs and also make them aware of the benefits of the Local Charging Incentive Program.

Our marketing activities to raise awareness of the Local Charging Incentive Program have included the following:

- Virtual Community Events – EV 101: An Introduction to Electric Vehicles
- Electric Vehicle Partners (EVP) Network – monthly training sessions offered to EVPs
- Outreach to municipalities, business and professional associations – Presentations/Speaking Events
- Outreach through Key and Regional Account Executives
- Direct email marketing to large and mid-size business customers
- Traditional and earned media (TV, print publications, radio) and social media (Twitter, Facebook, etc.)

Annual Administrative and Education Costs

The annual administrative costs associated with the Local Charging Incentive Program include development of the application portal and workflow management system developed by Applied Energy Group (AEG). The education costs include the Auto Show and Watt Time Pilot program. The cost to-date through December 2020 for total administrative and educational costs is approximately $164,133 and includes the following costs:

- AEG administrative costs $82,717
- Auto Show (event facilitated by Reach) $64,835
- Auto Show (charging station exhibits) $9,461
- WattTime Pilot $7,120

2020 Annual Costs by FERC account (182/327) The Charge Ahead program costs are currently being deferred to FERC Accounts 182/327. The Total Annual Costs for the Local Charging Incentive Program – J0P84 is listed below:

- Total Annual Costs $278,429
    - Administrative and Educational Costs $164,133
    - Customer Incentive Payments $114,296

The Efficient Electrification Team partnered with Reach Strategies to host the Auto Show.

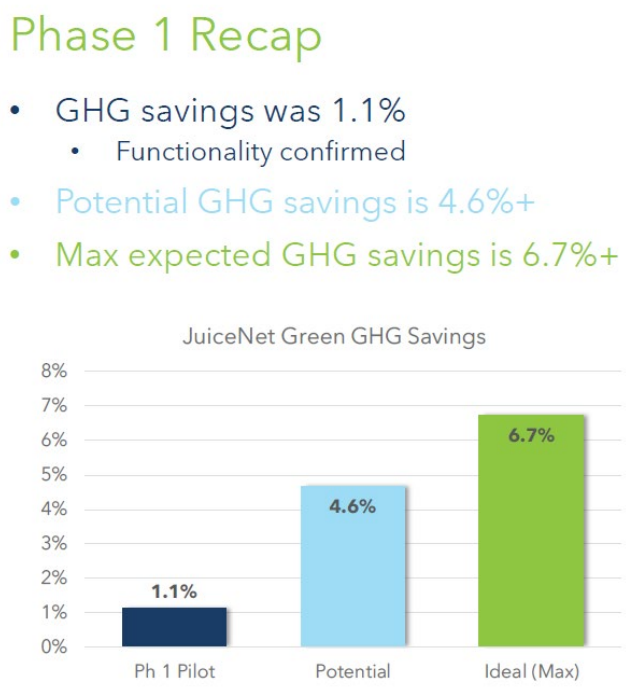
The Efficient Electrification Team participated in the Open House event promoting the grand opening of the Cape Girardeau and Jefferson City corridor sites in November 2020. During the event we also promoted the Local Charging Incentive Program.

Schnucks in Cape Girardeau

Courtyard Marriott in Jefferson City

Automated Emissions Reduction (AER)

WattTime evaluated the functionality and performance of Automated Emissions Reduction (AER) for EV charging–provided by Enel X's JuiceNet Green–during the Phase 1 evaluation (Sept-Nov 2020). Functionality was confirmed and performance showed room for improvement due to limitations of the JuiceNet Green software version deployed at that time. Performance was not expected to change until JuiceNet Green v3 was released to the pilot users. Enel X plans to upgrade the pilot users to JuiceNet Green v3 by the end of March. WattTime will resume monthly performance evaluation (Phase 2) after that release, likely at the beginning of April. The Phase 2 evaluation could last 3-4 months, with monthly results updates. Ameren has also suggested extending this through the end of 2021. In parallel, WattTime and Enel X are working to identify existing Missouri customers that are already using JuiceNet Green to charge their EVs. Enel X is working to engage existing customers into the pilot so they can evaluate the performance on a larger population (during Phase 2).



Line Extension Details:

During this time period, there have been no projects which include line extensions. We're currently implementing a process to capture these costs for future projects.

Charger Load Data:

For each of the completed projects listed below, the customers have identified their charging equipment as being a "smart charger." We are currently reaching out to these customers to acquire their utilization data.

Completed Projects	Smart Charging Equipment
** _____ **	Siemens/VCSG30GCPUW
** _____ ** ** _____ **	ChargePoint/CT4023-GW1
** _____ ** _____	Siemens/VCSG30GCPUW
** _____ ** _____	Enel x/pro 40 c

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Direct Revenues from Local Charging Stations *(see workbook for calculations)*
Time Period includes (January 1, 2020 – December 31, 2020)

There have been no Local Charging Incentive Program projects with a dedicated meter. Based on the 35 installed chargers (at 10 locations) thru December 31, 2020, Ameren Missouri estimates a total annual direct load/revenue of $20,776 to $24,705 and a total annual direct energy consumed of approximately 322,673 kWh. Please refer to included work papers for information by location. Please note that the variability relates to an estimate of billing demand. The high end of the range assumes that, for all customers on rates which include a demand charge, the charging demand coincided with customer billing demand in all months. The low end of the range assumes that the charging demand never coincided with the customer billing demand in any month.

Indirect Revenues *(see workbook for calculations)*

Ameren Missouri receives a snapshot of Missouri registrations from IHS MarkIT on a quarterly basis, approximately seven weeks after the end of the calendar quarter. This report includes baseline and current data through **December 2020** that reflects numbers for Ameren Missouri territory. See Power BI visual depiction shown at end of this report.

Attachment "AMO Charge Ahead – Revenue Workbook
12-31-20" to this report contains the EV counts by county and type of EV. Note these counts have been proportioned for the percentage of households served by Ameren Missouri in each county.

Ameren Missouri estimates indirect energy load of 27,178,050 kWh and indirect revenue in a range of $2,105,180 to $2,241,741. The variability in revenue range relates to a variable estimate of where charging is occurring (Multifamily, Workplace, or Public).

EV Registration Data as Power BI Visuals (includes snapshot at end of December 2020)