

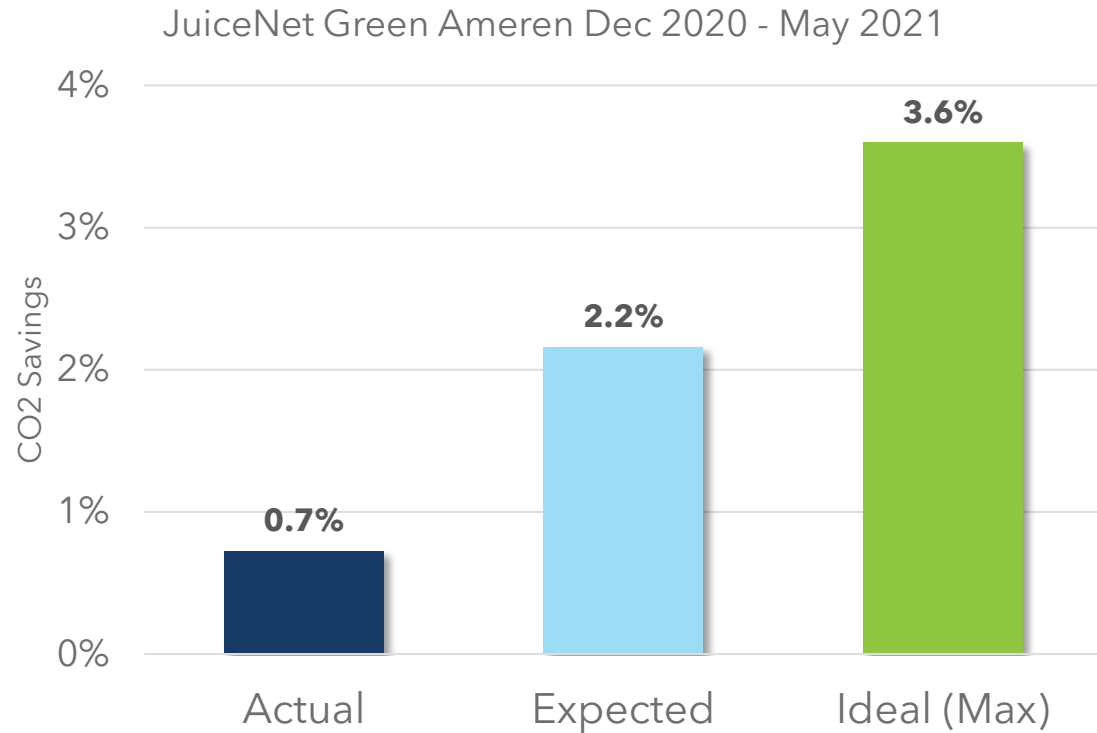
Ameren Pilot for EV Charging with Automated Emissions Reduction

2021-Q2 Update



Preliminary Results: Dec 2020 - May 2021

Performance Overview



Charging Activity Summary

Population	10
# of Sessions	777
Plug-IN Time (most frequent)	5:00 PM to 6:00 PM
Plug-OUT Time (most frequent)	7:00 AM to 8:00 AM
Avg Session Length	13.9 Hours
Avg Charge Duration	2.5 Hours
Avg Flexibility	82%
Avg Charge Rate	4.1 kW
Avg Energy Added	10.2 kWh
Avg Miles Added	32 Miles

The JNG 3.0 version update was released in April 2021.

Discussion of Results and Next Steps

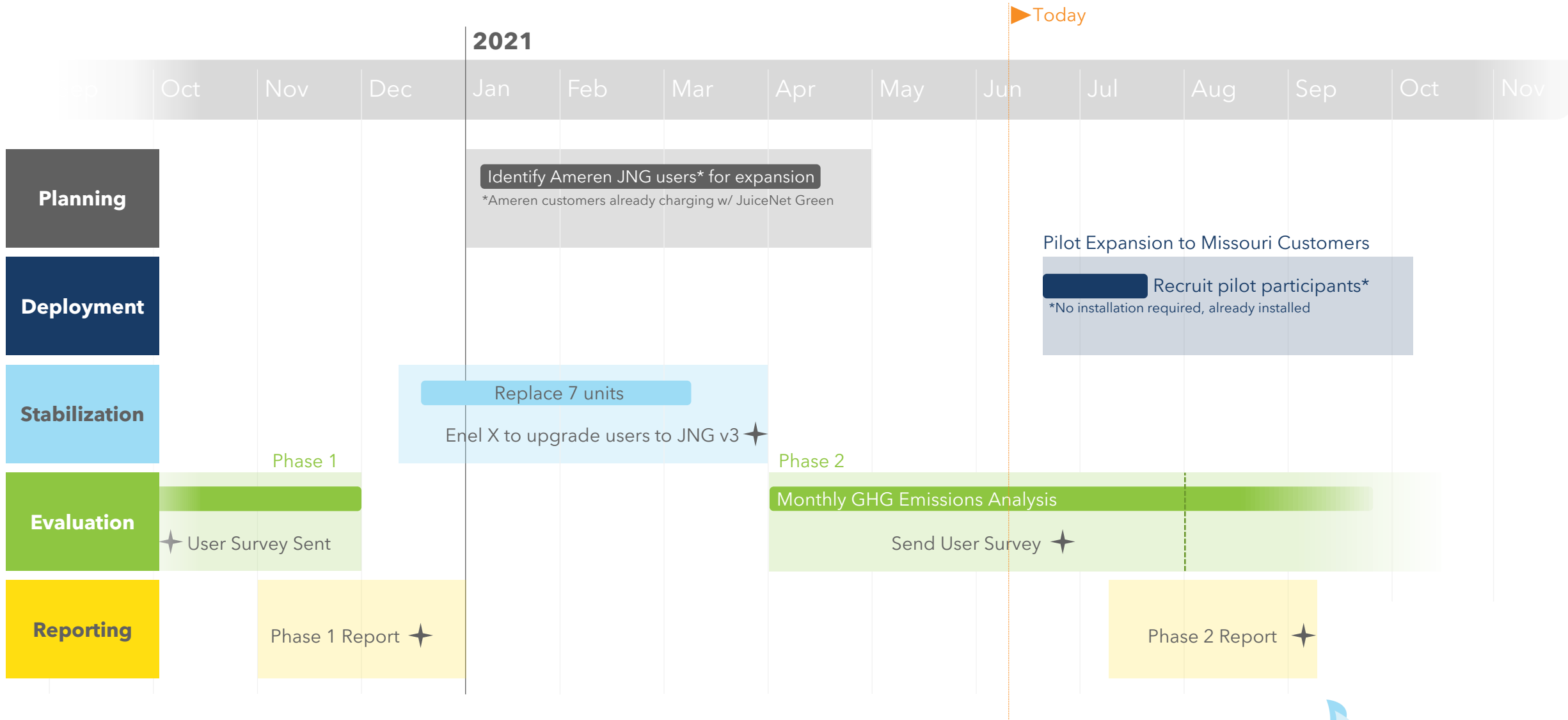
Results Discussion

- The savings opportunity in this period was lower compared to during the phase 1 evaluation, partly due to lower marginal emissions variability
- The JuiceNet v3.0 update came with improvements to Green, but also now prioritizes mobility (conservative assumptions by default if the user does not provide input for charging needs).
- This new conservative approach to mobility limits the carbon savings performance if users are not regularly engaging with the app.

Next Steps

1. Enel X is working on ways to continue to drive performance improvements to JuiceNet Green, both by improving their algorithms and by improving user engagement in the app.
2. Enel X and WattTime plan to expand this study to Missouri JuiceBox owners by giving them free upgrades to JuiceNet Green. Users will be given a small incentive to participate and share their data. We plan to start outreach in the next 1-2 months.
3. Analysis and reporting will continue on a monthly basis, as the phase 2 evaluation continues.

Pilot Phase 2 Timeline (Draft/Proposed)



Thank You

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