



Union County Electric Vehicle Infrastructure Study

Technical Advisory Committee Meeting #1
September 29, 2022



Agenda

- Introductions
- Study Overview
 - Background
 - Goal
- Work Plan and Schedule
- Discussion and Next Steps



Westfield Train Station

Study Background

“The increase in hybrid and electric vehicles will require more charging stations and may reduce gasoline consumption and emissions.”

- Union County Transportation Master Plan (2016)

- Electric vehicle adoption is rising in the US and New Jersey with grant funding being directed towards electrification.
- As electric vehicle ownership continues to grow, so will the infrastructure needed to support it.

Study Goal

To support electric vehicle use in Union County by planning an equitable expansion of the network of electric vehicle supply equipment.



Role of Technical Advisory Committee

- Advise the Team
- Feedback
- Community Outreach



Outreach & Partnerships

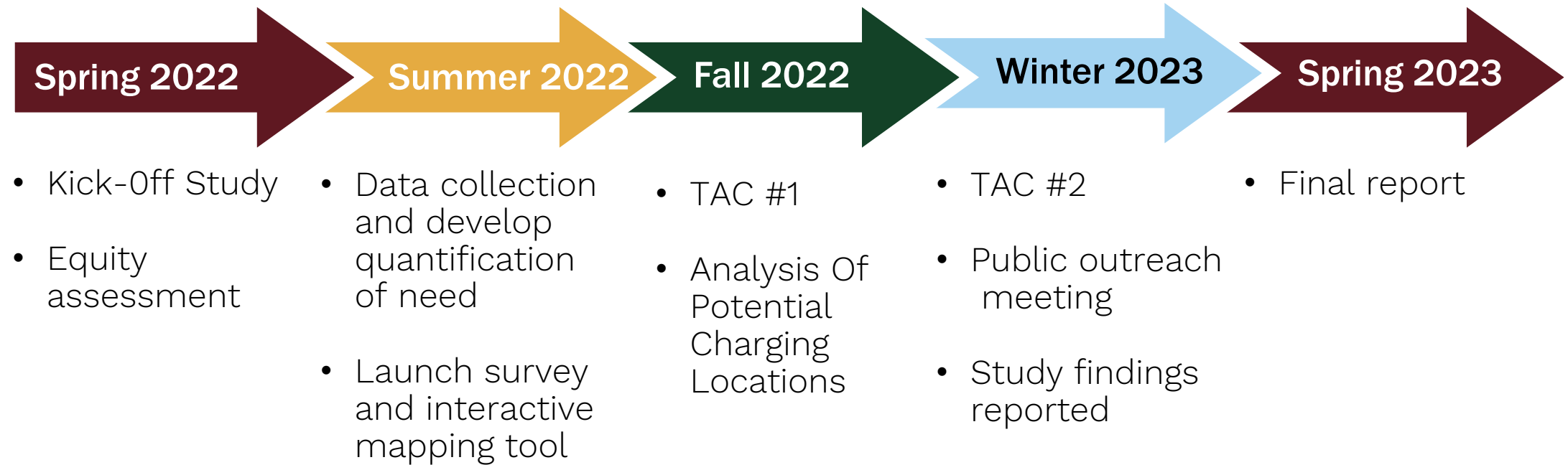
- Interactive map and survey

www.fhistudio-apps.com/uc-ev-study

- Website

ucnj.org/ev-study

Work Plan & Schedule



Data Collection, Analysis & Mapping

- Equity Assessment
- [Mapping](#)
- Evaluation Criteria
 - a. Equity Criteria
 - b. Zoning/Location Type
 - c. Population Density
 - d. Traffic Volume
 - e. Destination Type
 - f. Dwell Time/Trip Duration
 - g. Safety
 - h. Proximity to Major Roadways
 - i. Gap in EV Charging Infrastructure
 - j. Power Supply
 - k. Recommended by Public

Discussion

Any additional comments, thoughts, guidance for the study team?



Next Steps

- Public Outreach Meeting
- Analysis of potential charging locations
- Contact

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Thank you!

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