

Community Energy Advancement - City of Lowell

Team Name: Supercharge Lowell

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Community: The city of Lowell, Massachusetts - Saint Louis Park

- There is a significant increase in EVs but not many public fast EV chargers to support the charging infrastructure in the City of Lowell.
- Electric Vehicles registered in the community have quadrupled in the past 3 years, majority of them are University of Massachusetts, Lowell students.
- There are only 33 public EV charging stations which are all level-2 slow chargers
- 53.41% of residents living in the City of Lowell have a household income of less than \$30,000 and cannot afford expensive supercharger rates.
- The goal of this project is to Install first-of-its-kind UWBG semiconductor integrated battery storage coupled with patented ultra-fast SMART EV Charger for public use to benefit the Justice 40 community.
- Provide cheap but most eco-friendly EV charging infrastructure

Partnering Organizations:

- City of Lowell
- National Grid
- Emerald Cities Collaborative

