

# **Community Partners**

**Beacon Hill Council Seattle** El Centro de la Raza Filipino Community of Seattle **Community Liaison: Maria Batayola Special Thanks:** ECDLR: Miguel Maestas, Veronica Gallardo, Ashley Haugen, Maxine Li.

FCS: Agnes Navarro, Gemma Mechure, Germelyn Pasia.

Rev. Angela Ying. Green Project Solutions.

# **Co-Design Goals**

This collaboration led by the Beacon Hill Clean Energy & Climate Resiliency Task Force seeks to enhance community resilience and reduce the impact of climate change. Co-design goals include:

- **Decarbonization** of buildings
- Lower energy burden through utility bill savings
- **Energy resilience** to support vulnerable populations

The report is structured to be useful for facilitating community decision-making and capital grant applications.

# Methodology

**Tailored** building data, operations, and use scenarios are specific to the community.

- Weekly meetings with community liaison and one or more site visits to each site.
- Coordination with vendor on space use analysis of community buildings.
- Analysis of utility meter data establishes building performance baselines.

**Design tools** PVWatts and REopt enabled technical and cost performance analysis for energy system design variations around envelope retrofits, heat pumps, solar, and storage.

**Financial analysis** shows 10-year Net Present Value (NPV) savings vs. capital costs.

### Outcomes

Provided a thorough understanding of how each site operates in regards to **energy used** and potential cost savings and reductions in GHGs. **Built Beacon Hill's capacity** to apply for clean energy and climate resilience grants.

**Next Steps:** Further collaboration with Beacon Hill community facility partners to customize analysis to support grant writing.





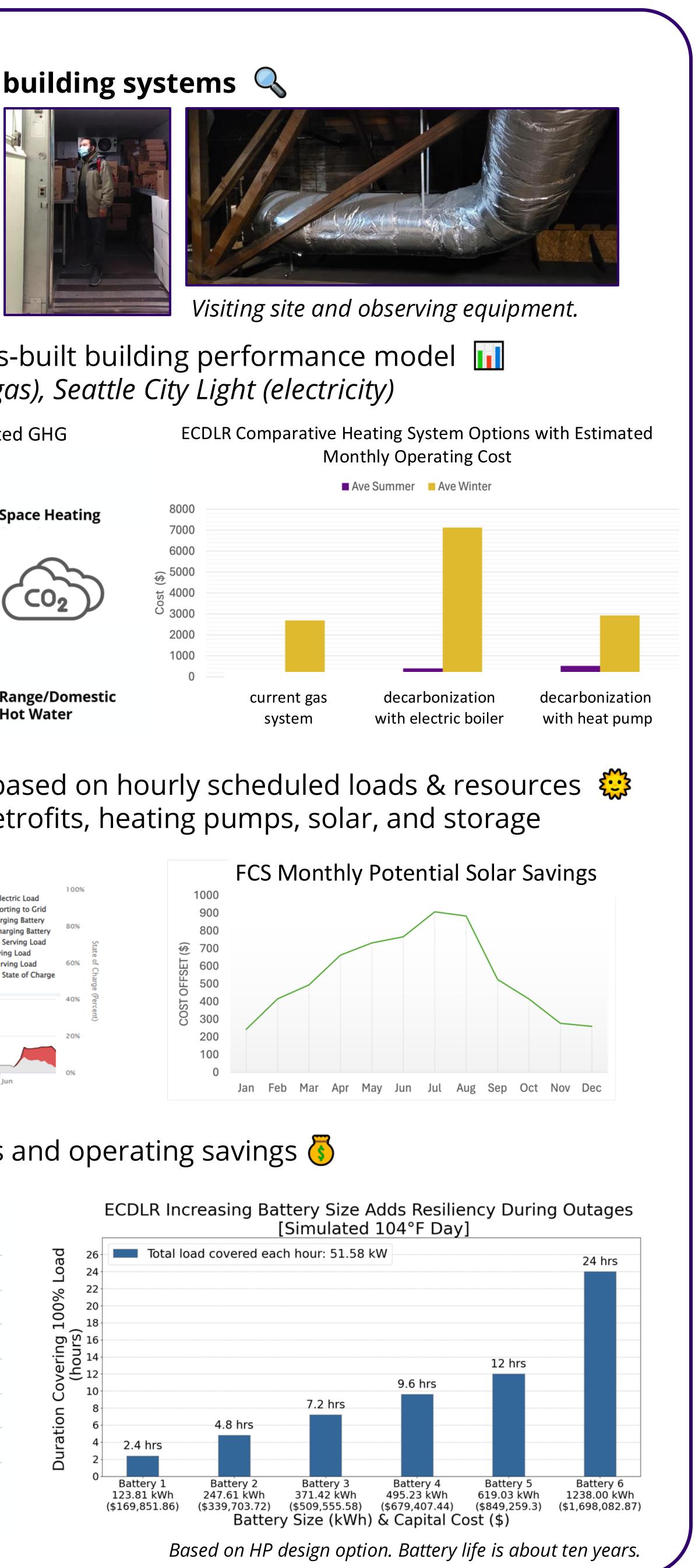


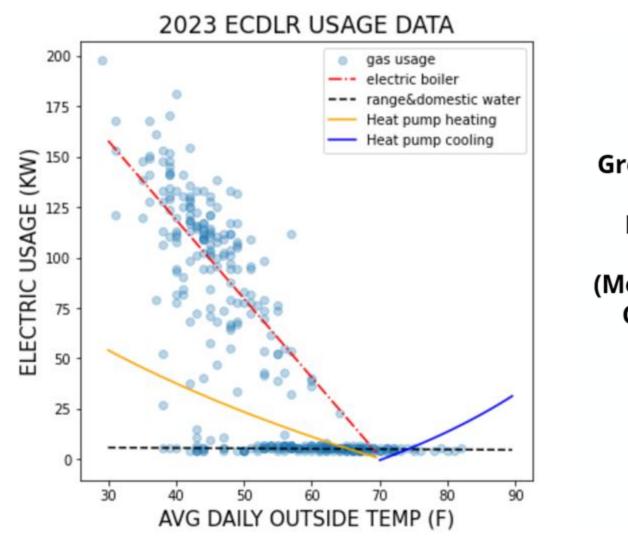
# **Envisioning Beacon Hill Clean Energy & Climate Resilience**

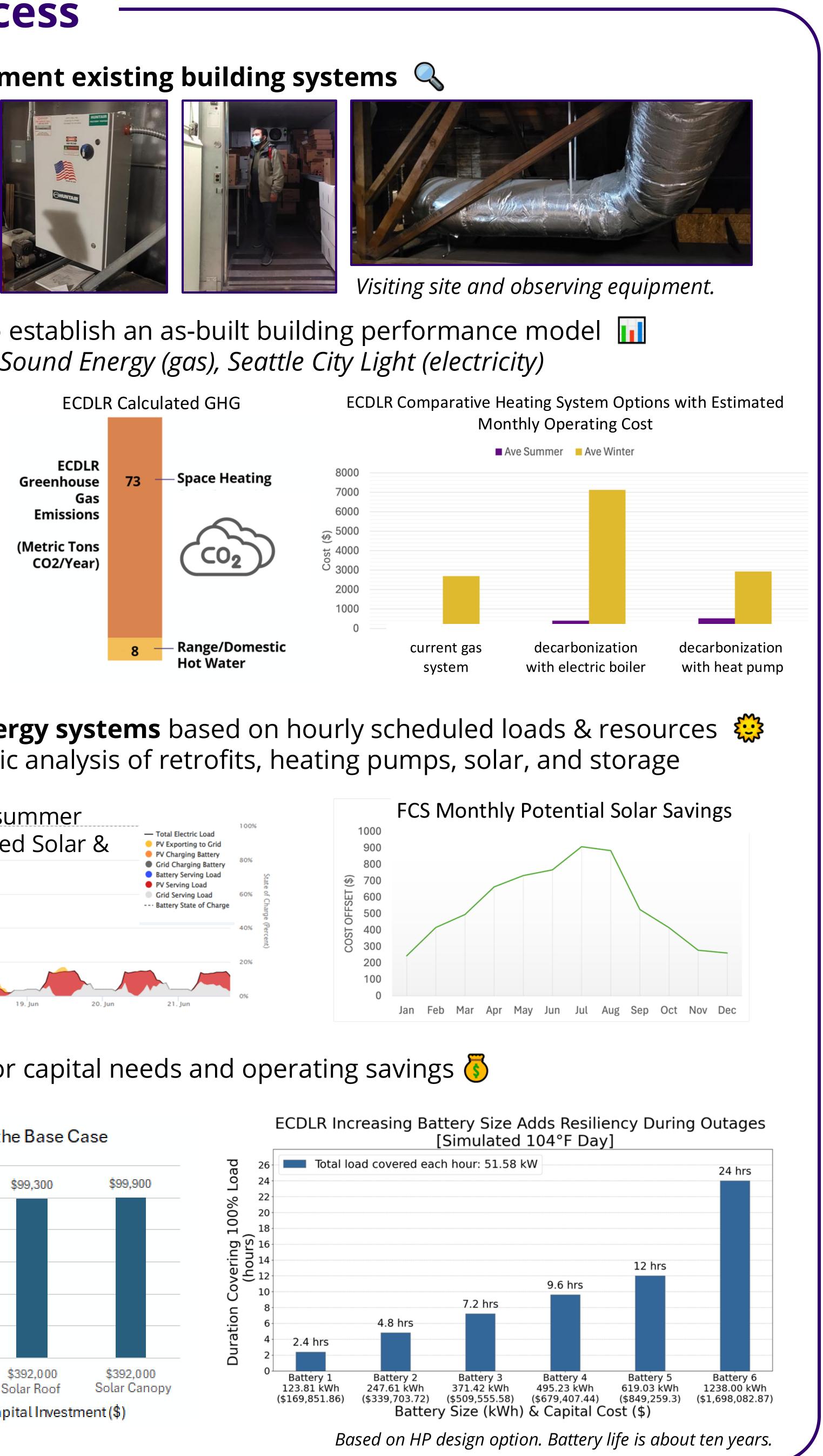
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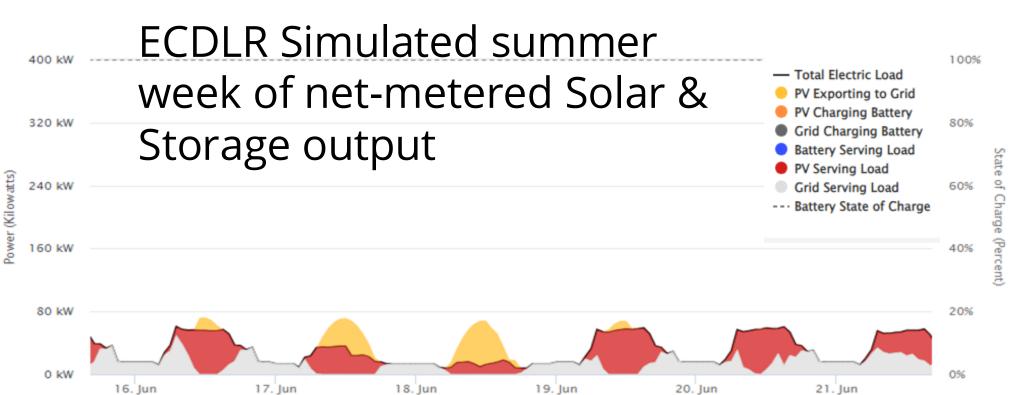
# **Design Process**











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