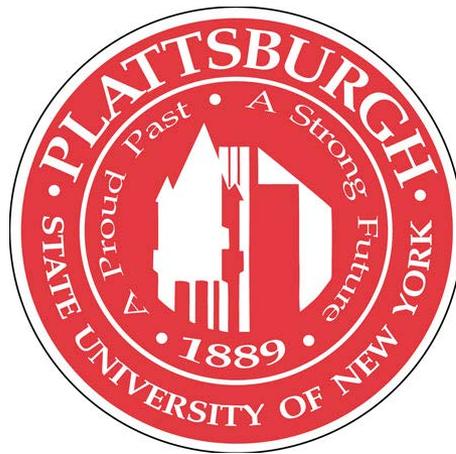


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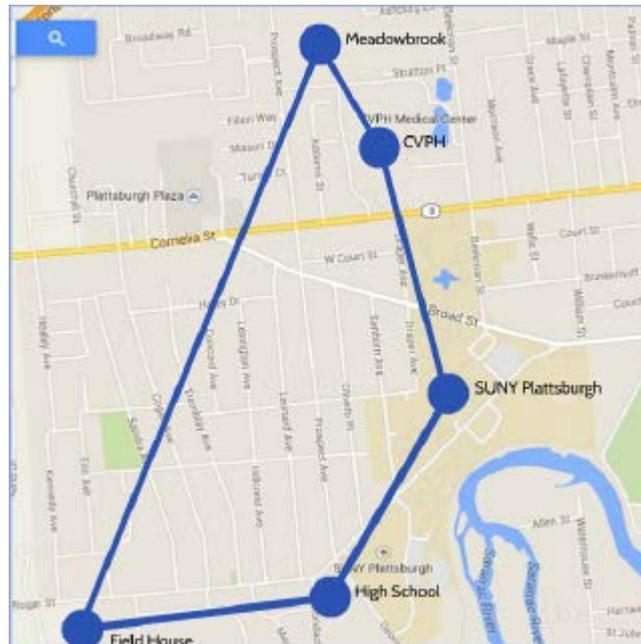


Program Objectives

- Reliability in emergency
 - Connect critical infrastructure/public facilities to secondary, local generation
- Enhance grid flexibility
 - Reduce municipal demand on PMLD
 - Lower residential energy costs
- Local generation and distribution
 - Incorporate/promote renewable energy, reduce C footprint
 - Create window of opportunity for economic development
- Community development
 - Branding opportunity for SUNY as well as City of Plattsburgh
 - Increase educational opportunities at SUNY Plattsburgh

Partnership

- Municipal government (City of Plattsburgh)
- Local utility (PMLD/City)
- Critical infrastructure/public facilities (Hospital, SUNY, skilled care facility, assisted living, high school)

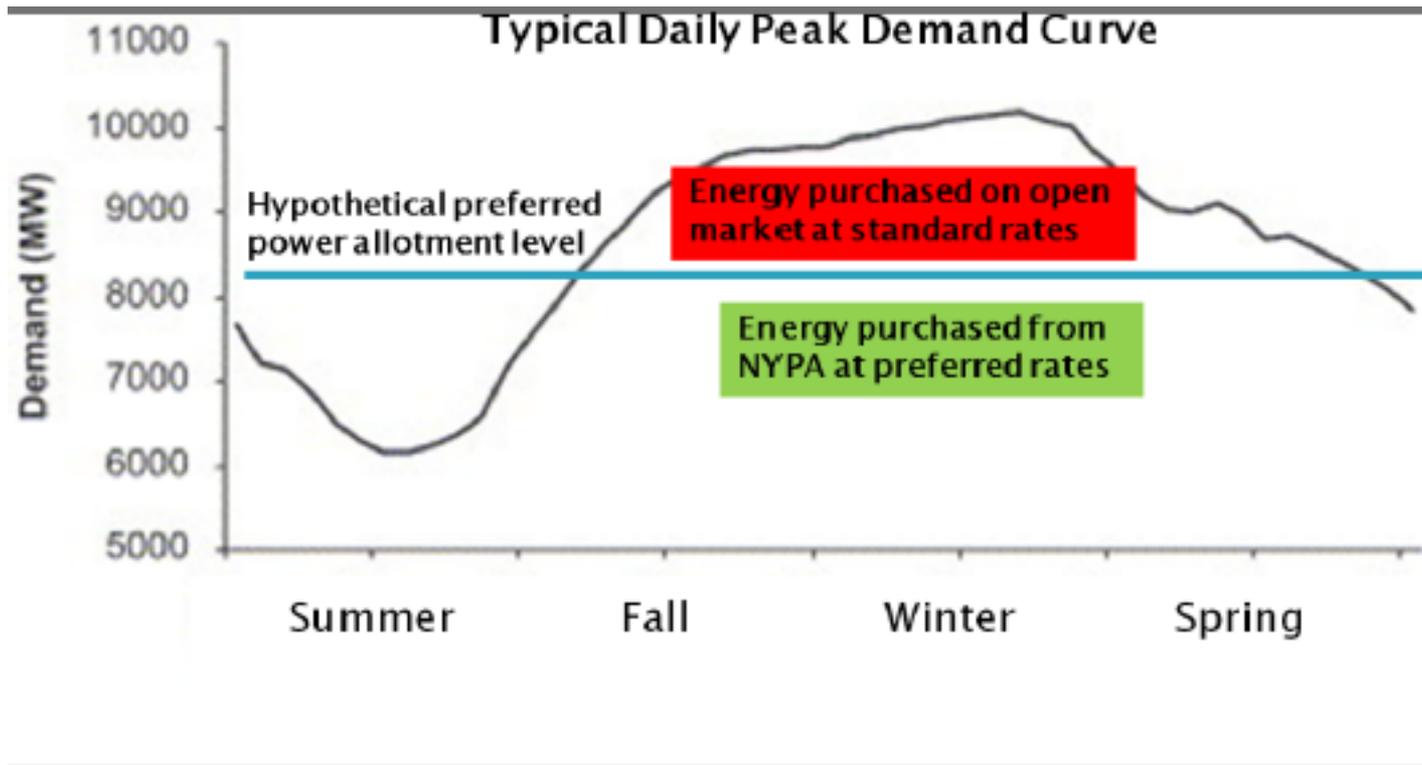


Approx. 1 mi²

Benefits to All Partners

- Enhance reliability during emergencies
- Reduce residential & commercial electric bills
- Reduce draw on PMLD
- Improving efficiency
- Enhance community resilience, strengthen community ties

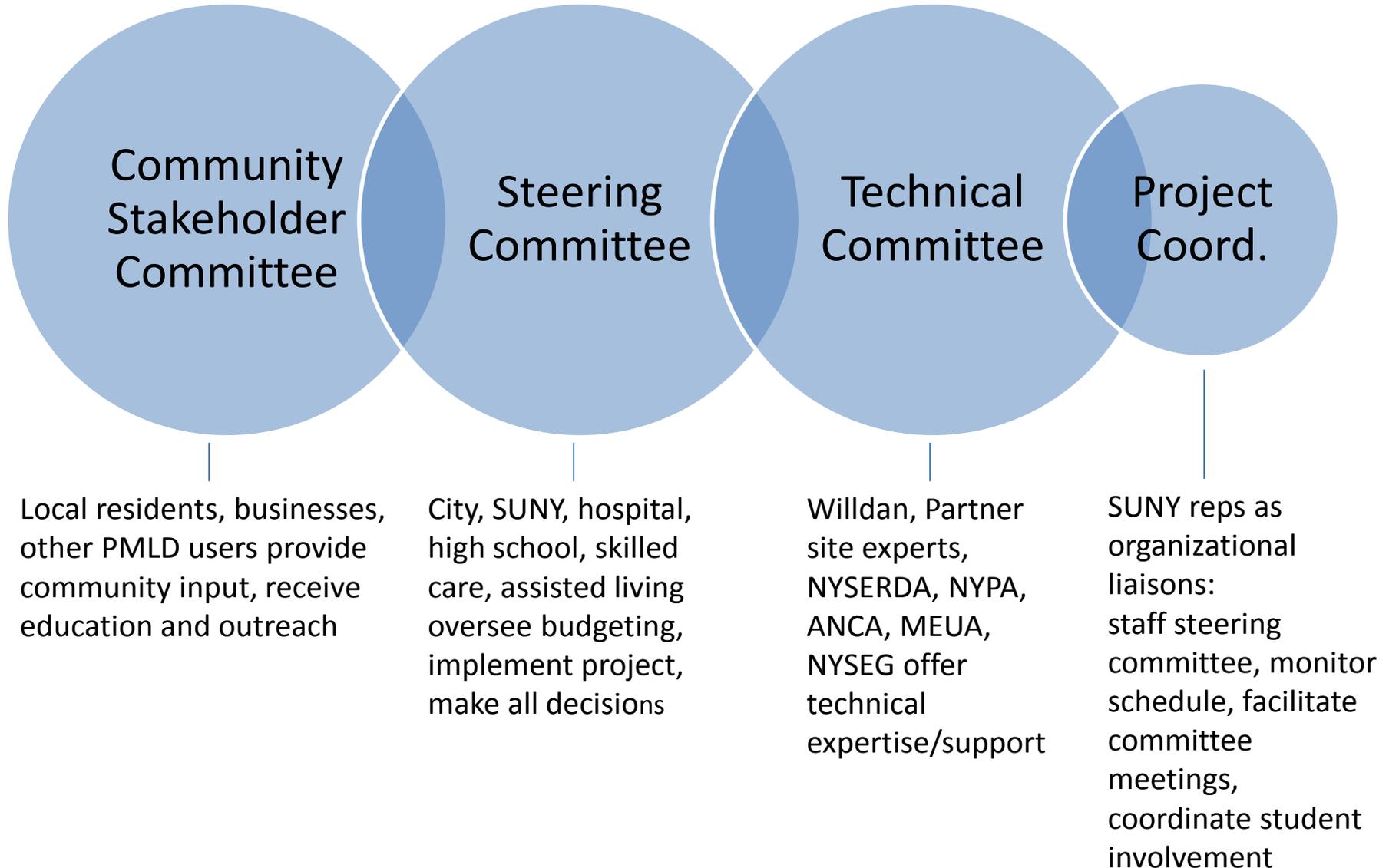
Purchase Power Adjustment Charge



Benefits to SUNY Plattsburgh

- Enhance energy reliability during emergency situations
- Reduce energy bills through generation
 - Monetary ROI from energy savings will be small and long-term
- Enhance campus resilience
 - Contribute to community resilience, strengthen community ties
- Branding
 - Create a “Green” campus climate
 - Increase student awareness
 - Improve recruitment opportunities
- Learning opportunity for students
 - Technical skills (grid analysis, planning, mapping, energy infrastructure/efficiency installation, research methods, logistics)
 - Difficult-to-teach skills (meeting facilitation, collaborative management, problem solving)

Project Organization



Timeline

Preliminary



5 Tasks



Future



Challenges so far ...

- Information collection/ analysis is HUGE
- Difficult to convince for the need for change while inexpensive/plentiful power is available
- Political and legal – currently PMLD will not purchase or accept power generated from outside sources
- Complexity of feasibility studies – technical aspects force partners to sometimes blindly follow consultants and hope that all needs and opportunities are addressed

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