



Battery Systems for Public Agencies

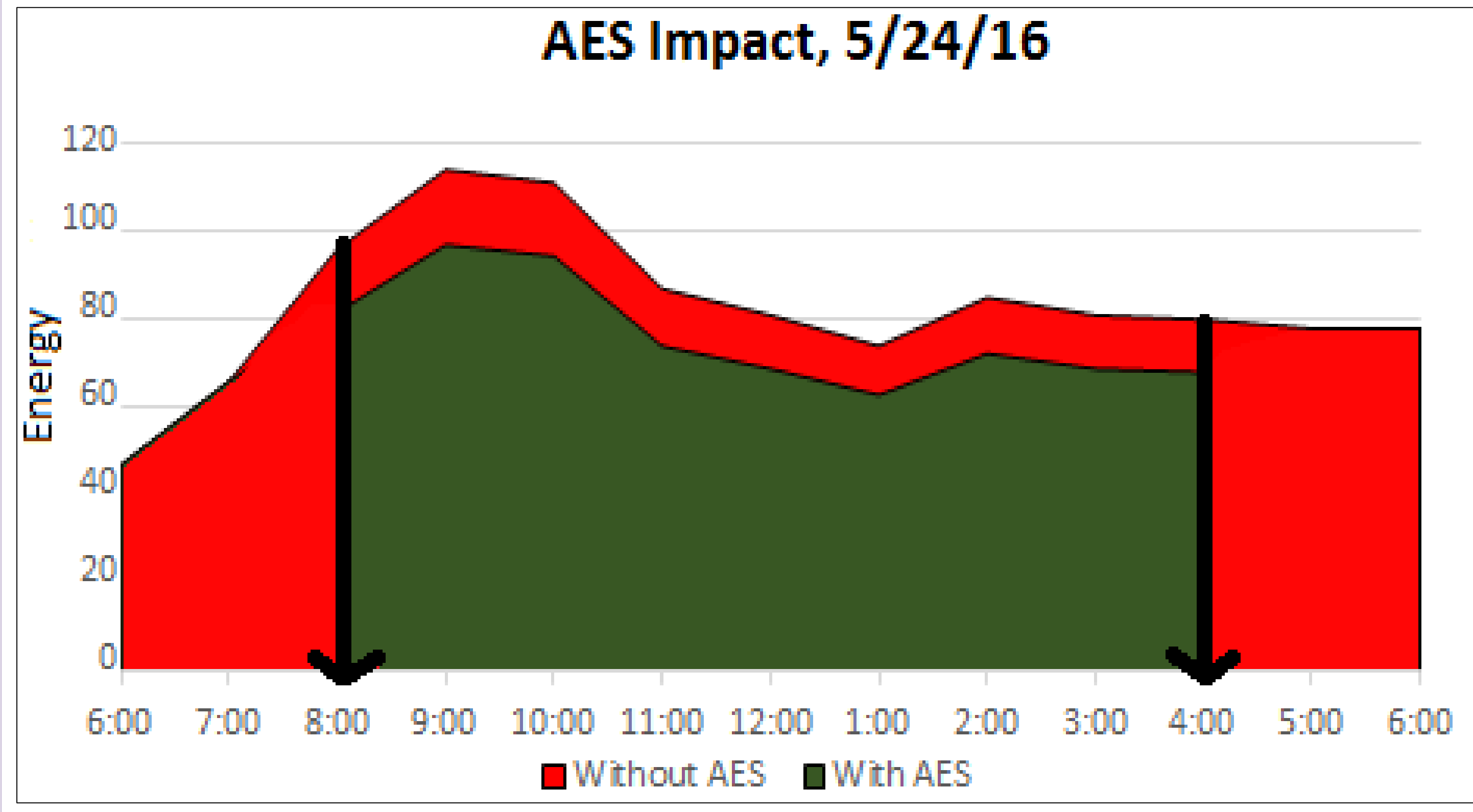
Alameda County General Services Agency

Climate Corps Bay Area

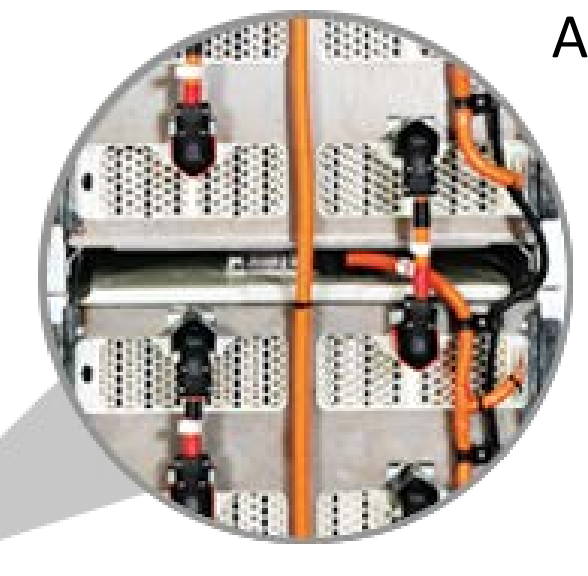
Project Description

Main Project: Pilot Advanced Energy Storage (AES) Installation in AlcoPark Garage

AES is an energy management system using storage capabilities such as batteries and a computer platform. At AlcoPark, the AES will use lithium-ion batteries combined with automated software to help manage electricity being consumed by the garage's 14 charging stations.



Anticipated Outcomes



AES Tower

AES Installation Project:

An expected 10 to 25% savings in electricity and costs:

- 50,700 kWh to be diverted from high demand time with energy from off-peak times.
- Annual bill savings anticipated to be \$15,000 and grow every year.
- Approximately 35 metric tons CO₂ equivalent offset annually from grid-based electricity usage.

Lessons Learned

Successful Strategies:

1. Cost-benefit of analysis to look across different AES vendors and decide on best option.
2. Stakeholder meetings with pertinent stakeholders to reach mutual understandings.
3. Application for and capture of state-funded AES subsidies.

Recommendations for Improvement / Program Expansion:

1. Consistent, high levels of outside consultation and legal preparation needed for project success from the beginning.



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Fellow background: career objective, education, experience:
 -Pursuing career in international policy analyst and/or renewable energy technology management.
 -Master's of Science in Environmental Management- Renewable Energy & Climate Change
 -Previously employed with East Bay Regional Park Districts as a Geographic Information Systems Intern.



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