Energy Storage Project Team Overview

Peer Review 2018
Santa Fe, NM
Daniel Borneo
2018
What We Do and Why

- Work with Utility, Industrial, State and International entities to:
  - Provide independent analysis for Energy Storage Implementation
    - Application(s) benefit and ROI analysis
    - Power and energy requirements
    - Technology review and system testing
  - Support the development and implementation of grid-tied ES projects
    - RFI/RFP development
    - Design and Procurement Support
    - Application/Economic analysis
    - Commissioning Plan Development
  - Monitor and analyze operational ES Projects
    - Application optimization
    - Operational performance
  - ES Control Lab – New in 2018
    - Multiple ES systems up to 1 MWh ES storage system
    - Remote Project Data gathering and operation monitoring
    - Energy, battery and grid control theory and optimization development
  - Develop public information programs
    - Webinars
    - Workshops and presentations

- Goal
  - Safe, Reliable, and Effective ESS
  - Inform the Public and encourage investment.
DOE/SNL Energy Storage Projects

Santa Fe CC
Albuquerque Public Schools

Eugene Water and Electric Board (EWEB)

California Energy Commission (CEC)

Anza Electric Cooperative and Arizona Electric Power Cooperative (AEPCO)

Navajo Utility (NTUA)

Alaska Center for Energy and Power (ACEP)

Cordova Electric Co-Op

Los Alamos County (LAC)

Sandia National Laboratories

Gunnison Electric

Green Mountain Power (GMP)

Burlington Airport

Helix

Sterling Cape & Vineyard Holyoke

Connecticut (DEEP)

New York State Energy Research and Development Authority (NYSERDA)

Electric Power Board of Chattanooga (EPB)

Hawaii Electric Light Company (HELCO) and National Energy Laboratory of Hawaii Authority (NELHA)
Energy Storage Projects Team/Partners

• Project Team
  • Ben Schenkman – Eugene, Cordova, Sandia control lab, Helix, EPB, NELHA, Ct. DEEP, PNM, Burlington
  • Frank Currie – NTUA, ANZA, Los Alamos, APS, Gunnison
  • Tu Nguyen – Analysis – ANZA, APS, Gunnison
  • Todd Olinsky-Paul - CESA’s ESTAP Program
  • Cole Benson – Intern Extraordinaire

• Project Partners
  • NELHA – Laurence Sombardier
  • SFCC – Stephen Gomez
  • Cordova – Clay Koplin/Craig Kuntz
  • Helix – Matt Lazarewicz
  • ANZA – Barry Brown
  • SMLD – Sean Hamilton
  • NRECA – Venkat Banunarayanan
  • California Energy Commission – Mike Gravely
  • NTUA – Derrick Terry
  • EPB – Jim Glass
  • EWEB – Matt Ibaraki
  • Burlington Electric – Casey Lamont

Red – Presenting (Presentation and/or Poster)
Thanks

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