Federal Utility Partnership Working Group Seminar

Presented By: David Powers, Program Implementation Manager, FAA, Western Service Center

EARTH DAY 2015
WSA UESC Projects

- Oakland District UESC Project
- Southern California TRACON (SCT) UESC Project
- Los Angeles Center (ZLA) UESC Project
- All UESC Sites are Large, En-Route Air Traffic Control Facilities with the Highest Utility Costs
Oakland District UESC Project

• Awarded to Pacific Gas and Electric (PG&E) 05/28/14
• $6.1M With 16 Year Payback
• Oakland Center and Associated Support Facilities
• ECMs for Interior and Exterior Lighting, Chiller, Boiler Replacements and Cooling Tower Water Treatment Upgrade
  – 12 Flow Meters, Condenser Water Pump and Motors Funded Under Other Programs
  – No PV Array
• HVAC Work Near Completion at Two Support Facilities
• Other Work to Begin in May, 2015
Oakland District UESC Project

- Highest Level of Complexity
- Over 25 Sites
- Oversight from Every Level of the Agency
- PG&E is the Only Utility in This Group that Assigned a Prime
LA Center UESC Project

- Awarded to Southern California Edison (SCE)
- $5M With 15 Year Payback
- LED Retrofits, HVAC System at Child Care Facility
- Includes a 989 KW PV Array Over Carports
- Anticipated June 1 Construction Start
- Requested Landscaping Proposal to Reduce Outdoor Water Consumption
LA Center UESC Project

- Path Forward on Landscaping
- This Project has the Least Impact on the National Airspace System (NAS)
- The First Assessment Became the IGA
- It Took us a Long, Long Time to Move Forward (Come-on Man)
Southern California TRACON (SCT) UESC Project

- Awarded to San Diego Gas and Electric (SDG&E)
- $6.5M With 15 Year Payback
- Lighting Retrofits to LEDs, Chillers, Pumps with VFDs
- Includes 893 KV PV Array Over Carports
- Design Review Complete
- Anticipate May 1 Construction Start
SCT UESC Project

- LED Full Facility Solution
- Required Outside Funding to Overcome Issues
- The Agency Funded about $100K in Studies and Re-commissioning
- SDGE Directly Manages the Subs
Basic Issues to Examine and Question

• Have an understanding on overhead charges, look for examples of competition in subcontracting, know what to expect and make sure you have as few surprises as possible.

• How does your sourcing team work? What is the organization of the project management team?

• If you have project overruns how are they going to be managed? Change order history?

• Inside your Agency, who is going to sign off on the project?

• How much time can you spend working these projects? Can you get support?

• Move as quickly as possible!
WSA Rebate Program

• WSA is Retaining Rebates from Energy Companies
• Over $600,000 Retained to Date
• Rebate Dollars Utilized to Fund Smaller Energy Projects and Offset Some Administrative Costs Associated with UESCs
• Energy Rebates
  – Many Utility Providers Offer Rebates for HVAC and Lighting Upgrades (Modernization Projects)
  – Rebates Retained to Fund Future Energy Projects
WSA Energy Program Contacts

• Dave Powers, AJV-W31 – Energy PIM
  – 425-203-4762  david.j.powers@faa.gov
• Nick Mirhaydari, AJV-W38 – Requirements Engineer
  – 425-203-4665  nick.mirhaydari@faa.gov
• Brad Cantrell, NCT SSC
  – 530-301-2996  brad.cantrell@faa.gov
• WSA Energy SharePoint Site
  ksn2.faa.gov/env-osh/PRO/Energy/Pages/Default.aspx
Questions?