Stanford University

TomKat Center for Sustainable Energy
Precourt Institute for Energy
SLAC National Accelerator Laboratory
Energy and Environment Affiliates Program
Civil and Environmental Engineering
Department of Electrical Engineering

Stanford SmartGrid Seminar

SmartSacramento®, SMUD's Smart Grid Initiatives Project Overview and Lessons Learned

Jim Parks

Sacramento Municipal Utility District

1:15pm-2:15pm, Thursday, Jan 22th, Y2E2 270

Abstract: With the help of a Smart Grid Investment Grant from DOE, SMUD completed over 40 smart grid initiatives valued at $308 million. SMUD also completed $43 million worth of R&D projects bringing total smart grid spending to over $350 million over a four-year period.

The eight broad smart grid categories included:

1. Advanced Metering Infrastructure
2. Distribution Automation
3. Consumer Behavior Study (Smart Pricing Options)
4. Customer Applications
5. Demand Response
6. Technology Infrastructure
7. Cyber Security and
8. R&D Projects

Many innovative projects were developed and implemented as part of this project and many lessons were learned while going through the process of designing initiatives, procuring and installing equipment, and implementing, operating and evaluating programs and pilots.

Jim Parks of SMUD will talk about the projects, highlight the lessons learned and discuss next steps.

Bio: Jim Parks is a program manager in the Energy Research and Development department at the Sacramento Municipal Utility District (SMUD). He just completed a $308 million smart grid initiative (SmartSacramento®) with over 40 individual projects ranging from smart meters and distribution automation to customer programs including demand response and energy efficiency. He currently oversees energy efficiency and smart grid R&D projects.

Prior to his current assignment he worked with emerging energy efficiency technologies, electric transportation, energy efficiency program development, energy efficiency program operations and transmission planning.