Technology Watchlist: Building Efficiency Strategies for Now and The Next Generations

Wednesday, May 17, 2017
3:45-5:00 pm
Panelists

- Tim Tetreault, Department of Defense
- Bruce Rauhe, Walt Disney
- David Cohan, Department of Energy
- Mary Hubbard, Department of Energy (moderator)
Environmental Security Technology Certification Program (ESTCP)

Tim Tetreault
ESTCP Energy and Water Program Manager
May, 2017
About ESTCP

- Program objectives:
  - Improve DoD’s environmental performance
  - Reduce costs
  - Enhance and sustain mission capabilities

- Demonstration & validation focus

- Promote Implementation – Tech Transfer

- Energy & Water is one of five ESTCP Program Areas
Energy and Water

- Smart and secure installation energy management
  - Microgrids
  - Energy storage
  - Ancillary service markets
  - Cybersecurity

- Efficient integrated buildings and components
  - Design, retrofit, operate
  - Enterprise optimized investment
  - Advanced components
  - Intelligent building management
  - Non-invasive energy audits

- Distributed generation
  - Cost effective
  - On-site
  - Emphasis on renewables
Active and Completed EW Projects - Project Count

Total Funded: 129
Active: 70
ESTCP Building Technology Outlook

**ESTCP Objectives**

- Improve Env. Performance
- Reduce Costs
- Enhance/Sustain Mission Capabilities

**EW Program**

- Reduce energy and water use intensity
- Reduce utility and O&M costs
- Increase energy security

**Technology solutions**

- "Smart" technology
- Diagnostics
- Microgrids

**Features**

- Connectivity
- Automation/Optimization
- Interoperability

**Challenges**

- Cybersecurity
- O&M
- Project Financing
Contact

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Department of Energy
Thank You

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