O&M Workshop Panel Session: Current O&M Practices

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Panel Session: Current O&M Practices

Panelists:

- Srini Devarajan, ViaSol Energy Solutions
- Larry Freeman, EDF Renewable Energy
- Aaron Marroquin, NRG Energy
- Jordan Shechter, Enfinity
- Steven Ng, PG&E
The panel discussed current practices and what’s missing in current O&M practices.

Below and next page are the areas noted of what is missing.

- Impacts of system designs on inverter reliability
- Standardized cost vs. performance gain model for O&M
- True operations planning and management
- Fast analysis techniques
- Managing spare parts, interchangeable parts, cannibalizing systems.
- Managing legal concerns over 3rd party components.
- Designing and building for maintainability (design standards)
- Modeling for post-warranty O&M costs, requirements
- Conductors, tie-wraps, conduit, critters: what are best practices?
- Commissioning practices that include O&M from the start
- Managing both power and energy
What’s missing in current O&M practices?

- Believable soiling models
- Best practices and good ROI models for washing
- Clarity in best practices
- Asset management practices
- System (construction, other) documentation
- Need an O&M budget
- Defined scope, risks allocated
- Emergency response standards
- Safety and LOTO
- Unclear what data analysis techniques should be used, sampling rates (data storage requirements vs fault detection times), handling of sensor errors – false alarms.
- What’s a good mix of proactive and reactive O&M at different sites