

OE Transmission Reliability Program Review

LBNL Support for NASPI

Joe Eto

Lawrence Berkeley National Lab

jheto@lbl.gov

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Project Objective(s)

To improve the reliable operation of the North American power system by successfully transitioning synchrophasor technologies from research to industry adoption

LBNL's activities in support of NASPI include:

- Coordinate DOE support that is led by other CERTS partners
- Liaison with and provide direct support to NERC
- Lead or organize selected initiatives, largely inspired by the needs of ARRA grant awardees



Major FY12 Accomplishments

Deliverables/Schedule for FY12

- Coordinate DOE support that is led by other CERTS partners
 - Conducted annual program review – **June 2012**
 - Participated in technical review teams for Eastern and Western baselining - **ongoing**
- Liaison with and provide support to NERC
 - Co-organized revival of NASPI ESG – **Fall and Spring 2012**
 - Participated in NASPI leadership team calls and meetings - **ongoing**
 - Participated in WECC JSIS meetings - **ongoing**
- Lead or organize selected initiatives, largely inspired by the needs of ARRA grant awardees
 - Launched two RFPs for data validation and voltage stability applications – **awards expected in August**
 - Coordinated funded for WISP-requested R&D – **in discussion with DOE**



Risk Factors

- Coordinate DOE support that is led by others - Lead or organize selected initiatives, largely inspired by the needs of ARRA grant awardees
 - ARRA grantees who are the beneficiaries or “clients” for much of this support are appropriately focused on meeting contract deliverables, not on R&D
 - We address this risk by focusing on working with and addressing the specific needs of “champions” who can commit to meaningful technical oversight and participation for activities, largely because they address the direct needs of projects, which fall outside the scope of their grants

- Liaison with and provide support to NERC
 - There is an ongoing need to strengthen support for NASPI, including linkage with relevant standing committees and standards-related activities, and especially with industry leaders who are influential with NERC
 - We address this risk through constant communication and outreach – and great patience



Thoughts for FY13

- Coordinate DOE support that is led by other CERTS partners
 - We need to focus on extracting an early “victory” from the baselining work
- Liaison with and provide support to NERC
 - We need to focus on assisting ARRA grantees in working with NERC, especially the ESG, to establish a sustainable model, potentially including pilots, for data exchange in the East
 - We need to continue to participate in meetings of standing NERC committees, subcommittees, task forces, etc. with direct support and outreach that improve their activities and inform and whet the appetite of the membership, at large
- Lead or organize selected initiatives, largely inspired by the needs of ARRA grant awardees
 - We will continue to respond to direct requests for support from leading SGIG awardees
 - We plan to launch a new RFP targeted toward making synchrophasor data more widely available to the academic community

