Revised Oct 26, 2011

2nd EU-US workshop on Smart Grid assessment methodologies

Washington DC, 7th November 2011

Forestall building (900-1150 Independence Avenue SW)

Agenda

8.30 – 8.45 Introduction
Dan Ton (Program Manager, US DOE, OE, R&D Office)
Giovanni De Santi (Director, JRC IET)

PART 1 - MAPPING SMART GRID PROJECTS

Working document section 1.3

8.45 – 9.00: ISGAN mapping of US smart grid activities (Russell Conklin, DOE)

9.00 – 9.10: ISGAN mapping of EU smart grid activities (Michele De Nigris – RSE)

9.15 – 9.30: JRC mapping (Vincenzo Giordano, JRC IET)

9.30 – 10.00 – Discussion

- How to collect data? Which data is particularly important?

- Consistency in terminology, project classification etc. between EU and US approaches

10.00 – 10.30: Coffee break

PART 2 - PERFORMANCE ASSESSMENT OF SMART GRID PROJECTS

What has been built? What is the impact of Smart Grid projects?

How much are we progressing toward the ideal Smart Grid?

Working document section 2.1

10.30 – 10.50: European Commission Task Force assessment framework (Vincenzo Giordano, JRC IET)

10.50 – 11.00: DoE Smart Grid System Report (Steve Widegren, PNNL)

11.00 – 11.10: Smart Grid Maturity Model (Austin Montgomery, SEI/CMU)

Working document section 2.2

11.10 – 11.30: DoE assessment framework (characteristics, value/build metrics, impact/build metrics) (Joe Paladino, DOE/OE)

11.30 – 11.50: European Electricity Grid Initiative (EEGI) Framework (Per-Olof Granström, EDSO);

11.50 – 12.00: EEGI Member State Initiative (Herold Irmgard, Austrian Institute of Technology)

12.00 – 12.15: Consumer Behavior Studies (SGIG) (Peter Cappers, LBNL) [via WebEx]

12.15 – 13.00 – Discussion

- Differences and similarities between EU and US approaches

- How to scale up results?

- How to evaluate and include social impact?

13.00 – 14.00 Lunch

PART 3 - COST-BENEFIT ANALYSIS

Which Smart Grid solutions are profitable? For whom?

Working document section 2.3

14.00 – 14.15:   EPRI methodology, focus on analytical approach for EPRI smart grid demonstrations (Jeff Roark, EPRi)

14.15 – 14.30: Computational tools for Smart Grid and Energy Storage, (David Feliciano, Navigant Consulting) [via WebEx]

Note: Need to demonstrate smart grid computational tool and discuss energy storage computational tool under development and methodologies.

14.30 – 15.00:   Case study for CBA- INOVGRID project (Goncalo Castelo Branco, EDP)

15.00 – 15.30:   Coffee break

15.30 – 16.30 – Discussion

- Complementary relationship between Performance assessment and cost-benefit analysis

- How to scale up results?

- How to perform sensitivity analysis to identify the most critical parameters?

- How to evaluate and include social impact?

16.30 – 16.45:   Coffee break

PART 4 - DISSEMINATION APPROACHES AND COMMUNICATION PLANS

Working document chapter 3

16.45 – 17.00:   Smart Grid.gov (Steve Bossart , DOE/NETL)

Note: Include other concepts for dissemination of information

17.00 – 17.15:   JRC-EURELECTRIC interactive map of Smart Grid projects in Europe (Gunnar Lorenz, EURELECTRIC)

17.15– 17.30:   DoE Performance feedback for Smart Grids, (Eric Lightner, DOE/OE)

Note: Include discussion of regional lessons learned events, performance feedback paper, work with NAP coalition, etc.

17.30 – 18.00:   Discussion – Sharing of data and information

WRAP-UP AND CONCLUSIONS

18.00 – 18.30: Open discussion/path forward (facilitated by Eric Lightner, DOE/OE**)**

Contact points

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