**ATTACHMENT B – Cohort Only**

**National Renewable Energy Laboratory (NREL) TA Cohort Discussions**

***December 15, 2022* – WS 1**

**Agenda:**

o **Introduction** (David Narang - 10 min)

Cohort and workshop series overview

o **FERC Order 2222 Overview and Implications for PUCs** (Caitlin Marquis - 15 min)

Key compliance requirements

Dual participation in retail and wholesale markets - challenges with double counting, double compensation, and operational compatibility

Industry working group conclusions and recommendations



o **DER Aggregation and Integration into Wholesale Markets and Operations** (Debbie Lew - 30 min)

Structural participation models for DERs in the wholesale market

Transparent and non-discriminatory procedures for operational coordination between the DSO and ISO



o **Break** (10 min)

o **Allowing Aggregations and FERC Order 719** (Sydney Forrester - 30 min)

Overview of FERC Order 719 and impacts on compliance with FERC Order 2222

Case studies on how states that have opted out under FERC Order 719 are integrating and regulating DER and DR aggregators now



o **Using Standards to Support DER Aggregation and Bulk Power System Coordination** (David Narang - 15 min)

Overview of the relevant components of IEEE 1547-2018 and IEEE 2800

Promoting standards adoption to support the safety, reliability, and interoperability of the grid



o **Conclusion and Next Steps** (David Narang - 10 min)

***March 8, 2023* – WS 2**

**Agenda:**

* **Introduction** (5 min)

Speaker: Michael Ingram



* + **What decisions need to be made and by whom?** (45 min + 15 min Q&A)
    1. Insights from implementing IEEE 1547 across various states.

Speaker: Brian Lydic – Ref: IREC 1547 decisions matrix



* + **What are DERs and how can they be used?** (45 min + 15 min Q&A)
    1. What are modern DER capabilities?
    2. What are different DER Configurations? (e.g., solar + storage hybrid systems, intentional islands)
    3. Case studies

Speaker: Andy Hoke - Modern inverters & experience from early deployments



* + **Lessons learned from the regulatory perspective** (45 min + 15 min Q&A)

Speaker: Michelle Rosier



* + **Summary of Educational Resources and Activities** (15 min)

Speaker: Michael Ingram



* + **Wrap-up** (5 min)

Speaker: Michael Ingram

***June 15, 2023* – WS 3**

**Agenda:**

* + **Introduction** (5 min)
    - * 1. Speaker: Michael Ingram – National Renewable Energy Laboratory
        2. 
  + **Strategies for Reducing Timelines** (30 min + 15 min Q&A)

Speaker: Jeff Cook – National Renewable Energy Laboratory

* **Strategies for Improving Technical Screens** (45 min + 15 min Q&A)

Speakers: Nadav Enbar and Tom Key – Electric Power Research Institute



* **Strategies for Improving Prospecting Tools** (45 min + 15 min Q&A)

Speaker: Shay Banton – Interstate Renewable Energy Council



* **Wrap-up** (20 min)

Speaker: Michael Ingram – National Renewable Energy Laboratory

**NREL Workshops:**

<https://www.nrel.gov/grid/ieee-standard-1547/workshops.html>