

DER and Inverter-based Resources Subcommittee

WebEx Only

June 20, 2022

9:00 a.m. – 12:00 p.m. ET

Administration (9:00 – 9:05)

1. Scott Baker, chair, opened the meeting and reviewed the agenda.
2. Amanda Martin, secretary, reviewed the meeting participation guidelines and minutes from the last meeting.
3. Scott Baker reviewed modifications to the DIRS work plan. The modifications shortened the Hybrids Phase II work timeline.

Hybrid Resources (9:05 – 10:00)


4. Andrew Levitt, PJM, provided an update following last meeting's courtesy review of draft business manual language associated with the Hybrids Phase I filing.
5. Andrew Levitt, PJM, reviewed solution options in the Hybrids Phase II matrix. Additional solution options will be gathered, and the group will begin developing solution packages. PJM requests continued submission of solution options and edits to the matrix.

Order 2222 (10:00 – 11:30)

6. Thomas DeVita and Danielle Croop, PJM, addressed the feedback received from stakeholders on the RFI questions, and reviewed PJM's draft response at a high-level.

Wrap-up and Action items (11:30 – 11:45)

7. The facilitation team reviewed action items from the meeting and took requests for future agenda items.
 - a. It was requested that an EV use case be developed and presented at a future DIRS meeting, potentially the July meeting.

| <i>Future Meeting Dates and Materials</i> | | | Materials Due to Secretary  | Materials Published |
|---|--------------|-----------------|--|---------------------------|
| <i>Date</i> | <i>Time</i> | <i>Location</i> | 5 p.m. | 4 p.m. |
| <i>July 20, 2022</i> | 9:00 – 4:00 | WebEx | July 12, 2022 | July 15, 2022 |
| <i>August 30, 2022</i> | 9:00 – 4:00 | WebEx | August 22, 2022 | August 25, 2022 |
| <i>September 22, 2022</i> | 9:00 – 3:00 | WebEx | September 14, 2022 | September 19, 2022 |
| <i>October 21, 2022</i> | 9:00 – 12:00 | WebEx | October 13, 2022 | October 18, 2022 |
| <i>November 28, 2022</i> | 9:00 – 12:00 | WebEx | November 18, 2022 | November 23, 2022 |
| <i>December 15, 2022</i> | 1:00 – 4:00 | WebEx | December 07, 2022 | December 12, 2022 |

Author: Chris Callaghan

WebEx Meeting Attendance

| Last Name | First Name | Company | Sector |
|---------------|----------------|---|--------------------|
| Ayres | Rachel | Constellation Energy Generation, LLC | Generation Owner |
| Baker | Scott | PJM Interconnection, LLC | None |
| Baker | Scott | PJM Interconnection, LLC | None |
| Barker | Jason | Constellation Energy Generation, LLC | Generation Owner |
| Beban | Madalyn | PJM Interconnection, LLC | None |
| Benson | Dan | Duke Energy Business Services LLC | Transmission Owner |
| Bruce | Sailers | | |
| Bryson | Michael (Mike) | PJM Interconnection, LLC | None |
| Chee | Yee Hong | MCG Energy Solutions | None |
| Chmielewski | Brian | PJM Interconnection, LLC | None |
| Connelly | Nancy | Duke Energy Ohio, Inc. | Transmission Owner |
| Croop | Danielle | PJM Interconnection, LLC | None |
| Cusick | Kerinia | Center for Renewables Integration | None |
| D'Alessandris | Lou | FirstEnergy Corporation | Transmission Owner |
| D'Antonio | Phil | PJM Interconnection, LLC | None |
| Denby | Brett | NOVEC | None |
| DeVita | Thomas | PJM Interconnection, LLC | None |
| Diong | Mamadou | Dominion Virginia Power | None |
| Dodson | Jeff | | |
| Dolan | Ryan | Dayton Power & Light Company (The) | Transmission Owner |
| Domian | Christin | Duquesne Light Company | Transmission Owner |
| Domer | Amber | Consolidated Edison Company of New York, Inc | Transmission Owner |
| Drom | Richard (Rick) | Eckert Seamans | None |
| Dugan | Chuck | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Elkins | Rachel | FirstEnergy Corporation | Transmission Owner |
| Ellis | David | Public Service Electric & Gas Company | Transmission Owner |
| Fee | George | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Felt | Justin | Baltimore Gas and Electric Company | Transmission Owner |
| Filomena | Guy | Customized Energy Solutions, Ltd.* | None |
| Fishback | Luke | Affirmed Energy LLC | Other Supplier |
| Foladare | Kenneth (Ken) | Geenex Solar LLC | Other Supplier |
| Fuller | Peter | NRG Power Marketing, LLC | Generation Owner |
| Gates | Terry | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Granstrand | Luke | Dominion Virginia Power | None |
| Gunn | Garan | Public Service Electric & Gas Company | Transmission Owner |
| Hartman | Gary | Talen Energy Marketing, LLC | Generation Owner |
| Hastings | David | Market Interconnection Consulting Services (MICS) | None |
| Herel | Suzanne | PJM Interconnection, LLC | None |
| Himmelspach | Treasa | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Hoatson | Thomas (Tom) | Riverside Generating, LLC | Generation Owner |
| Horning | Lynn Marie | Customized Energy Solutions, Ltd.* | None |
| Horstmann | John | Dayton Power & Light Company (The) | Transmission Owner |
| Hughes | Steven | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |

| | | | |
|--------------|-----------------|--|----------------------|
| Hull | Gerit | American Municipal Power, Inc. | Electric Distributor |
| Hunter | Scott | New Jersey Board of Public Utilities | None |
| Jamshidian | Farhad | OSI Digital Grid Solutions | None |
| Johnson | Carl | Customized Energy Solutions, Ltd.* | None |
| Johnston | David | Indiana Utility Regulatory Commission | None |
| Kelly | Stephen | Brookfield Energy Marketing LP | Other Supplier |
| Kent | Janessa | Duquesne Light Company | Transmission Owner |
| Langbein | Pete | PJM Interconnection, LLC | None |
| Levitt | Andrew | PJM Interconnection, LLC | None |
| Mabry | David | McNees Wallace & Nurick LLC | None |
| Martin | Amanda | PJM Interconnection, LLC | None |
| McClelland | Maura | Public Utilities Commission of Ohio | None |
| McDaniel | John | Baltimore Gas and Electric Company | Transmission Owner |
| McNeil | Justin | Office of the Attorney General, Kentucky | End-Use Customer |
| Metz | John | University of Delaware | None |
| Midgley | Sharon | Exelon Business Services Company, LLC | Transmission Owner |
| Miller | John | Commonwealth Edison Company | Transmission Owner |
| Milley | Jonathan | | |
| Ondayko | Brock | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Pratt | Nicholas (Nick) | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Rahimi | Farrokh | OATI Energy Trading | None |
| Rainey | John | Northern Virginia Electric Cooperative | Electric Distributor |
| Rohrbach | John | Southern Maryland Electric Cooperative, Inc. | Electric Distributor |
| Rutledge | Craig | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Sasser | Jonathan | Customized Energy Solutions, Ltd.* | None |
| Schmitt | David | New Jersey Board of Public Utilities | None |
| Schroeder | Connie | Virginia Electric & Power Company | Transmission Owner |
| Sharkazy III | William | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Sorrels | James | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Swalwell | Brad | Tangent Energy Solutions, Inc. | Other Supplier |
| Swanger | Eric | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Thorn | Mike | FirstEnergy Corporation | Transmission Owner |
| Thurston | David (Dave) | FirstEnergy Corporation | Transmission Owner |
| Tyler | Catherine | Monitoring Analytics, LLC | None |
| Uddin | Shahab | | |
| Walker | Jacqueline | | |
| Warchol | Gerald | Dominion Energy Generation Marketing, Inc. | Generation Owner |
| Werner | Christopher | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Whitehead | Jeffrey (Jeff) | GT Power Group | None |
| Williams | Fernie | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Yeaton | Andrea | PJM Interconnection, LLC | None |
| Yoo | Kyungjin | PJM Interconnection, LLC | None |