

EMERGING TECHNOLOGIES FORUM CHARTER

Mission

The mission of this forum is facilitate strategic discussion between PJM staff, PJM members, PJM stakeholders and members of the industry around the emerging technologies, concepts, and trends that are shaping the future of the electric power sector, and that will impact the PJM region to support PJM's Advanced Technology Pilot Program (ATPP) which provides a testing ground to study the viability of integrating emerging technologies that enhance system reliability, operational and market efficiency, and resilience.

To ~~do~~ accomplish this mission, the Emerging Technologies Forum (ETF) will provide a centralized, open forum for education and discussion on emerging grid technologies, identification-investigation of issues that should be explored concerning operations, planning, and markets, and where appropriate, recommendations for addressing these impacts concerning a path forward on these topics. In addition, this forum-ETF will provide enhanced transparency with regard to PJM's Advanced Technology Pilot Program (ATPP), and will be an information-sharing conduit for technology vendors and proponents to share the characteristics and benefits of their technology and for stakeholders to share questions and considerations for implementing such technologies.

Responsibilities

- 1) Host technical education and information sessions and facilitate discussion among stakeholders on emerging technologies and other industry trends.
- 2) Holistically identifyDiscuss potential benefits and obstacles for implementing emerging technologies in the context of PJM. Investigate and make recommendations to address identified obstacles and impacts to system operations, system planning, and market operations.
- 1)3) Review and facilitate discussionProvide periodic updates on PJM's Advanced Technology Pilot Program. This will may include the creation and periodic review of ATPP procedure documentation in order to incorporate stakeholder feedback into the process and provide additional transparency. The ETF will not make decisions on selecting pilot projects. PJM will maintain authority over the ATPP.
- 2)1) Host technical education sessions on emerging technologies.
- 3)1) Holistically identify potential benefits and obstacles for implementing emerging technologies in PJM. Investigate and make recommendations to address identified obstacles and impacts to system operations, system planning, and market operations.

Administrative Details

- 1) The ETF shall report updates and recommendations to the Markets and Reliability Committee, Planning, Operating, and Market Implementation Committees as appropriate. The Planning, Operating, and Market Implementation Committees will have the ability to direct matters to this forum. The group will provide periodically report on its activities to these standing committees.
 - a. Concerning anyRegarding recommendations that may result in a stakeholder process issue, the ETF will follow M34 Section 5.5, as well as all other provisions in M34. Principally, issues discussed at the ETF are not a way to circumvent processes outlined in M34.
- 2) The ETF will be a non-voting forum. The forum may conduct non-binding polls, where appropriate, in developing recommendations to be addressed by the standing committees.

- 3) The ETF membership and participation are open to all members; entities proposing emerging technologies to be integrated into the PJM region; the agencies and offices of consumer advocates of the States in the PJM Region and any other interested entities or persons.
- 4) The ETF will be chaired by a representative of the PJM Staff. PJM Staff will be responsible for preparing and issuing all reports, running the meeting, scheduling periodic meetings and conference calls as necessary and recording and preparing the minutes of each meeting, management of data, and compilation and publication of other relevant documentation.