



DEPARTMENT OF ENERGY
Grid Modernization Advisory Group (GMAG)
21 South Fruit Street, Suite 10
Concord, New Hampshire 03301-2429

Agenda for the September 19, 2024 Meeting
11:00 a.m., Hearing Room B, Department of Energy
Walker Building, 21 S. Fruit Street, Concord

Remote Meeting Coordinates: See Below

1. Call to Order, Welcome, and Introductions
2. Minutes of the August 27, 2024 meeting
3. Interconnection Cost Allocation Report. Brief discussion.
4. Transactive Energy Working Group: Report of the group's progress and expectations for annual report.
5. Annual report due in November.
6. Other topics as suggested by GMAG members
7. Date for next meeting, review of tasks for next meeting
8. Adjournment

Meeting Coordinates for Those Attending Remotely:

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[Statutory language appended for reference]

RSA 12-P:16

Grid Modernization Advisory Group. –

I. The department of energy shall establish and support a grid modernization advisory group (GMAG) consisting of the following voting members:

- (a) The commissioner of the department of energy, or designee.
- (b) The consumer advocate, or designee.
- (c) Representatives of each of the electric distribution utilities regulated by the public utilities commission and the New Hampshire Electric Cooperative.
- (d) Two representatives of distributed energy providers, including at least one with experience interconnecting distributed generation and one with experience interconnecting distributed storage, appointed by the commissioner of the department of energy.
- (e) A representative of a municipal aggregation supplier, appointed by the commissioner of the department of energy.
- (f) A representative of a not-for-profit organization representing clean energy, environmental, or consumer issues appointed by the commissioner of the department of energy.
- (g) A representative of the Business and Industry Association, appointed by that organization.

II. (a) The grid modernization advisory group shall consider and provide recommendations to the department and the legislature on issues including, but not limited to:

- (1) Grid modernization as defined in RSA 374-F:2;
- (2) Transactive energy and distributed energy resources including advanced meter infrastructure (AMI);
- (3) Settlement of appropriate price signals for transactive energy at the distribution system level for distributed energy resources;
- (4) Appropriate customer and distributed energy resources access to temporal price signals.

(b) The GMAG shall review different cost structures that enable a reasonable portion of costs of distributed generation and storage interconnections to be shared by entities that interconnect future distributed generation or storage to the distribution grid to the extent that such subsequent interconnection is enabled by the investment or costs incurred by the prior entity or entities that interconnect. The GMAG shall provide recommendations to address this issue by September 1, 2024.

(c) The department of energy may obtain the services of a consultant for technical support concerning distribution systems and transactive energy to support department of energy staff, the consumer advocate, and the GMAG. The department of energy shall charge a special assessment for any such amounts for this consultant against any utility participating in the grid modernization advisory group and the public utilities commission shall provide for the timely recovery of such amounts for the affected utility.

III. A quorum shall be a majority of filled positions.

IV. The grid modernization advisory group shall report annually on November 1 on its meetings and any recommendations for legislation, rules, and practices, to the governor, senate president, speaker of the house of representatives, chair of the house and senate committees with jurisdiction over utilities, and the chair of the public utilities commission.

RSA 374-F:2, XI and XII

XI. "Grid modernization" means improvements to electric distribution or transmission infrastructure, including related data analytics equipment, that are designed to accommodate or facilitate the integration of renewable electric generation resources with the electric distribution grid or to otherwise enhance electric distribution or transmission grid reliability, grid security, demand response capability, customer service or energy efficiency, or conservation and includes:

- (1) Advanced metering infrastructure that facilitates metering and providing related price signals to users to incentivize shifting demand and support transactive energy;
- (2) Intelligent grid devices for real time system and asset information at key substations and customer locations;
- (3) Automated control systems for electric distribution circuits and substations;
- (4) Communications networks for service meters;
- (5) Energy storage systems and microgrids that support circuit-level grid stability, power quality, reliability or resiliency or provide temporary backup energy supply;
- (6) Electrical facilities and infrastructure necessary to support electric vehicle charging systems;
- (7) Interconnection standards and procedures for state jurisdictional DG and DS connection to the distribution grid consistent with New Hampshire's energy policy in RSA 378:37 that reasonably balances reliability and safety risks with costs and benefits; and
- (8) Other new technologies that may be developed regarding the electric grid.

XII. "Transactive energy" or "TE" means a system of economic and control mechanisms that allows the dynamic balance of supply and demand across the entire electrical infrastructure using value as a key operational parameter.