

## **SECTION III**

### **MARKET RULE 1**

#### **APPENDIX G**

### **REPAIR AND MAINTENANCE OF TRANSMISSION FACILITIES**

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**REPAIR AND MAINTENANCE  
OF TRANSMISSION FACILITIES**

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### **III.G.1 Planning, Scheduling, and Approval of Transmission Facility Outages.**

Throughout this Appendix G, in every instance in which the ISO is called upon to approve, schedule or reschedule transmission outages, it shall consider the generation outages proposed for the same time period for which proposed transmission outages are being considered and undertake the coordination procedures specified in the ISO New England Operating Procedures. In addition, Appendix G is to be construed throughout as reflecting that the ISO possesses the ultimate authority for approval, scheduling and rescheduling of transmission outages based on either reliability or market efficiency considerations (including any estimated or actual impacts on congestion or reliability-must-run costs in financial, day-ahead markets). The processes described in Sections III.G.1.1 through III.G.1.6 are those that the ISO will generally use to consider outage approval, scheduling and rescheduling, but shall not diminish or limit the ISO's ultimate authority as described in the preceding sentence.

**III.G.1.1 Development of Long-Term Transmission Outage Plan.** Before the first day of each month, each Transmission Owner shall submit a projected, 12-month schedule for the planned outages of such Transmission Owner's Category A Facilities, Other Transmission Facilities or Merchant Transmission Facilities to the ISO and the Local Control Center(s) for such Transmission Owner, in a manner that allows the Local Control Center(s) to submit the plans to the ISO by the first day of each month. Each Transmission Owner shall also

submit to the ISO and the Local Control Center(s) for such Transmission Owner a projected, 12-month schedule for the planned outages of such Transmission Owner's Category B Facilities and Local Area Facilities, if any, if generator output could be affected by a planned outage of such transmission facilities, in a manner that allows the Local Control Center(s) to submit the plans to the ISO by the first day of each month. The ISO, after consultation with the applicable Local Control Center(s) for such Transmission Owner, shall either initially approve such outage plan or provide the Transmission Owner with proposed modifications to such outage plan within 30 calendar days of the submittal of the projected schedule. Each Transmission Owner shall coordinate with the ISO and the applicable Local Control Center(s) for such Transmission Owner to produce a projected, 12 month, planned outage schedule for such transmission facilities (the "Long-Term Transmission Outage Plan") acceptable to the ISO and the Transmission Owner. Outages included in the Long-Term Transmission Outage Plan that are determined to be acceptable by the ISO and the Transmission Owner shall be considered "Planned Outages."

**III.G.1.2 Scheduling of Major Transmission Outages.** A "Major Transmission Outage" shall be a planned transmission outage of those transmission facilities that are reasonably necessary to be modeled as a significant outage for purposes of an FTR auction, in accordance with the criteria for the modeling of such outages set forth in applicable ISO New

England Operating Procedures. At least ten (10) Business Days prior to the date on which the schedules of Major Transmission Outages must be submitted to the ISO in accordance with this subsection III.G.1.2, the ISO shall notify the Transmission Owners of those Planned Outages in each Transmission Owner's most recent Long-Term Transmission Outage Plan which satisfy the criteria for a Major Transmission Outage. To the extent that a Transmission Owner no longer intends to take a Planned Outage which satisfies the criteria for a Major Transmission Outage in the time frame specified in the most recent Long-Term Transmission Outage Plan, the Transmission Owner shall modify the timing for the Planned Outage in its next monthly Long-Term Transmission Outage Plan, and shall submit the Planned Outage as a scheduled Major Transmission Outage in accordance with the modified time frame for that outage. Each Transmission Owner shall submit schedules for all Major Transmission Outages to the ISO by submitting such schedules to the Local Control Center(s) for such Transmission Owner in advance of the first day of the month that is two months prior to the operating month during which FTRs which might be affected by the Major Transmission Outage will be effective (e.g., October 1 for a December outage), so that the Local Control Center(s) may submit by the first day of that month a request to the ISO to schedule the outage. Each Transmission Owner may also submit schedules for outages of other transmission facilities that do not constitute Major Transmission Outages by no later than the first day of the month that is two months prior to the

operating month during which the outage would commence. The ISO, after consultation with the applicable Local Control Center(s) for such Transmission Owner, shall either approve such outage schedules or provide the Transmission Owner with proposed modifications to such outage schedules within ten (10) Business Days of the submittal of the scheduled outages. Each Transmission Owner shall coordinate with the ISO and the applicable Local Control Center(s) for such Transmission Owner to produce specific dates for each such outage acceptable to the ISO and the Transmission Owner, provided that the ISO shall have the authority to require the Transmission Owner to reposition an outage in accordance with Section III.G.2. Major Transmission Outages (and other outages of transmission facilities submitted within the time frames specified in this subsection III.G.1.2) that are determined to be acceptable by the ISO and the Transmission Owner shall be considered “Scheduled Outages.”

**III.G.1.3 Optional Scheduling of Other Transmission Outages.** Each Transmission Owner shall have the option to submit schedules for planned outages of transmission facilities that do not constitute Major Transmission Outages to the ISO by submitting such schedules to the Local Center(s) for such Transmission Owner within 90 calendar days, but by no later than 21 calendar days prior to the planned starting date for the outage. The ISO, after consultation with the applicable Local Control Center(s) for such Transmission Owner, shall either approve such planned outages or provide the Transmission

Owner with proposed modifications to such planned outages within five (5) Business Days of the submittal of the planned outages. the ISO shall coordinate with each Transmission Owner and the applicable Local Control Center(s) for such Transmission Owner to arrive at specific dates for such outages acceptable to the ISO and the Transmission Owner, provided that the ISO shall have the authority to require the Transmission Owner to reposition an outage in accordance with Section III.G.2. Outages of transmission facilities submitted within the time frame for such optional transmission outage scheduling that are determined to be acceptable by the ISO and the Transmission Owner shall be considered “Scheduled Outages.”

**III.G.1.4 Short-Term Approval of Transmission Outages.** Each Transmission Owner shall request that the ISO confirm its approval of all Scheduled Outages and approve planned outages of transmission facilities that have not been previously scheduled pursuant to Subsections III.G.1.2 or III.G.1.3 above by submitting requests for such confirmation or approval to the Local Control Center(s) for such Transmission Owner: (A) by no later than 72 hours prior to hour 0001 of the day of the beginning of the outage for outages of Category A Facilities, Other Transmission Facilities and Merchant Transmission Facilities, and outages of Category B Facilities or Local Area Facilities (subject to exceptions specified in the ISO New England System Rules) if generator output could be affected by the outage of such Category B Facilities or Local Area Facilities; and (B) by no later than 24 hours prior to hour 0001 of the day of the

beginning of the outage for all other Category B Facilities (subject to exceptions specified in the ISO New England System Rules). The ISO shall either approve such Scheduled Outages and other outages or, in the event the ISO believes an outage should be repositioned, shall coordinate with each Transmission Owner and the applicable Local Control Center(s) for such Transmission Owner to reposition such outage to a time acceptable to the ISO and the Transmission Owner, provided that the ISO shall have the authority to require the Transmission Owner to reposition an outage in accordance with Section III.G.2. All outages of transmission facilities that are approved by the ISO within this time frame shall be considered “Approved Outages.”

**III.G.1.5 Real-Time Authorization to Commence Approved Outage.** Each Transmission Owner shall notify the ISO of such Transmission Owner’s intent to commence or conclude an Approved Outage of a Category A Facility, Other Transmission Facility or Merchant Transmission Facility or an Approved Outage of a Category B Facility or Local Area Facility if generator output could be affected by the outage of such Category B Facility or Local Area Facility by submitting notification to the Local Control Center(s) for such Transmission Owner prior to the Transmission Owner’s initiation of switching and tagging procedures to take the transmission facility out of service or place it back into service. The ISO shall either authorize such switching and tagging procedures or, in the event the ISO believes such outage should be repositioned, shall coordinate with each Transmission Owner and the applicable Local

Control Center(s) for such Transmission Owner to reposition such outages to a time acceptable to the ISO and the Transmission Owner, provided that the ISO shall have the authority to require the Transmission Owner to reposition an outage in accordance with Section III.G.2.

**III.G.1.6** A Transmission Owner may propose to modify the timing of any Planned Outage, Scheduled Outage or Approved Outage of its transmission facilities at any time. In the event a Transmission Owner proposes such a modification, the Transmission Owner must notify the ISO of the modified timing for such outage by submitting the notification to the applicable Local Control Center(s) for such Transmission Owner promptly after the circumstances have arisen that necessitate the modified timing. The Transmission Owner shall identify in such submission the generic category of circumstances giving rise to the modification, such categories to be determined by the Transmission Owners in consultation with the ISO. The ISO shall either accept the modified timing of an outage or coordinate with each Transmission Owner and the applicable Local Control Center(s) for such Transmission Owner to arrive at specific dates for each such outage acceptable to the ISO and the Transmission Owner in accordance with the following time frames: (A) within 30 calendar days of the Transmission Owner's submission of the change for Planned Outages; (B) within five (5) Business Days for Scheduled Outages; and (C) as soon as possible for Approved Outages.

### **III.G.2 Authority of the ISO to Require the Repositioning of Transmission Outages.**

The ISO possesses the ultimate authority for approval, scheduling and rescheduling of transmission outages based on either reliability or market efficiency considerations (including any estimated or actual impacts on congestion or reliability-must-run costs in financial, day-ahead markets). The processes described in Sections III.G.2.1 through III.G.2.4 are those that the ISO will generally use to consider outage rescheduling, but shall not diminish or limit the ISO's ultimate authority as described in the preceding sentence.

**III.G.2.1** The ISO shall have the authority, at any time, to direct that a Planned or Scheduled Outage of a Transmission Owner's transmission facilities be repositioned or to revoke the approval of an Approved Outage of a Transmission Owner's transmission facilities if the outage(s) reasonably could be expected to result in a violation of reliability criteria for the New England Transmission System and repositioning of the outage(s) reasonably could be expected to improve reliability. The ISO shall notify the Transmission Owner(s) whose transmission facilities are affected by the exercise of such authority of the ISO's decision to require the repositioning or revoke approval of the outage as soon as possible after the circumstances arise that create the need for the repositioning or revocation.

**III.G.2.2** The ISO shall have the authority to direct that an outage be repositioned if repositioning the outage or revoking its approval reasonably could be expected to result

Significantly Reduced Congestion Costs for use of the New England Transmission System.

“Significantly Reduced Congestion Costs” shall mean a reduction in the ISO’s reasonable estimate of overall congestion and Local Second Contingency Protection Resource costs for use of the New England Transmission System (net of the incremental cost to the Transmission Owner) attributable to the outage in question of at least \$200,000 for each week of an outage or any portion of a week. the ISO shall notify the Transmission Owner(s) whose transmission facilities are affected by the exercise of such authority of the ISO’s decision to require the repositioning of the outage as soon as possible after the ISO determines that the criteria for requiring repositioning have been satisfied.

**III.G.2.3** In exercising its authority under this Section III.G.2, the ISO shall consider the impact of directing the repositioning of Scheduled Outages on the long term flexibility of operation of the transmission facilities and the New England Transmission System and the impact on system expansion needs in addition to any short term market impacts associated with the exercise of such authority.

**III.G.2.4** The ISO shall coordinate with each Transmission Owner to determine mutually acceptable dates for the repositioning of any outage that must be repositioned due to the ISO’s exercise of its authority under this Section III.G.2, provided that: (1) unless a Transmission Owner agrees otherwise, the ISO will generally allow the repositioning of any such

outages within 90 days of the date the outage was originally scheduled, or, in the event that the 90-day period falls between June 1 and October 1, the ISO will generally allow the repositioning of any such outages during a period that begins no later than October 31; and (2) the requirement to allow the repositioning of such outages shall not limit the ISO's authority to require a further repositioning of the outage for reliability reasons in accordance with Subsection III.G.2.1 or for market efficiency reasons in accordance with Subsection III.G.2.2.

**III.G.2.5** Upon request, the ISO shall provide the affected Transmission Owners with reasonable documentation and data supporting each exercise by the ISO of its authority to require the repositioning of outages or revoke the approval of outages in accordance with Section III.G.2, subject to any applicable restrictions set forth in the ISO New England Information Policy on file with the Commission.

**III.G.2.6** Notwithstanding any of the foregoing, nothing in this Section III.G.2 shall be construed to require a Transmission Owner to reposition an outage of a transmission facility or to require a Transmission Owner to refrain from initiating switching and tagging procedures to take a transmission facility out of service or place it back into service to the extent a Transmission Owner determines that such outage or actions are necessary to prevent injury or damage to persons or property or to protect its facilities from physical damage.

**III.G.3 Annual Assessment of Outage Coordination Efforts.** The ISO shall prepare and issue annual public reports on the scheduling and coordination of transmission outages. Each such annual report shall: (i) assess the accuracy of the ISO's estimation of congestion and Local Second Contingency Protection Resource cost impacts and the accuracy of Transmission Owner and other inputs used in such estimation; (ii) assess any long term impacts of the ISO's exercise of its authority to require the repositioning of transmission maintenance outages in accordance with Section III.G.2; and (iii) include analyses and data which could allow a Transmission Owner to identify potential opportunities for incentives based on efficient coordination of outages and other operational measures that will reduce congestion costs or increase operational flexibility. the ISO shall provide a draft of each such annual report to the Transmission Owners and interested stakeholders prior to issuing a final report and shall consider the input of the Transmission Owners and interested stakeholders in preparing such reports, subject to any applicable restrictions set forth in the ISO New England Information Policy on file with the Commission.

**III.G.4 Market Monitoring of Outage Scheduling.** The Internal Market Monitoring Unit of the ISO shall monitor the outage scheduling activities of the Transmission Owners. The Internal Market Monitoring Unit of the ISO shall have the right to request that each Transmission Owner provide information to the Internal Market Monitoring Unit concerning the Transmission Owner's scheduling of transmission facility outages, including the repositioning or cancellation of any Planned, Scheduled or Approved Outage, and the Transmission Owner shall provide such information to the Internal Market Monitoring Unit in accordance with the ISO New England Information Policy.

Reserved for future use.