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# Market Renewal Program – Update on Market Facing Reports

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# Background

- As Market Renewal progresses through the implementation process and greater clarity is achieved on the content and interactions between various reports, the required scope of modifications becomes further defined.
- This presentation will provide details on reports that have been further modified from the scope described in Publishing & Reporting Market Information Detailed Design (P&R)\*.

\* [Publishing & Reporting Market Information Detail Design](#)

# List of Revised Reports

Reports that have been updated since detail design and as noted in an earlier stakeholder discussion on June 22, 2023:

- System Adequacy Report
- Physical Transaction Dispatchable Resource Energy Price Report
- Physical Transaction Non-Dispatchable Load Energy Price Report
- Dispatch Data Report for Real-time Scheduling Process
- Day-Ahead Check Source/ADE Report
- Yearly Day-Ahead Market Hourly Energy and Operating Reserve Price Report
- Yearly Pre-dispatch Hourly Energy and Operating Reserve Price Report
- Yearly Real-Time 5-min Energy and Operating Reserve Price Report

## List of Revised Reports (Cont'd)

- Ontario Near-Term Demand Forecast Report (Day 0 to 10)
- Ontario Mid-term Demand Forecast Report (Day 11 to 34)
- Variable Generation Forecast by Resource Report
- Area Reserve Constraints Reports
- Intertie Scheduling Limits Reports
- TR Hourly Zonal Price Report
- Monthly Historical Interface Flows, Schedules, Transmission Transfer Capability
- Transmission Facility Outage Limits Report (Days 0 to 2)
- Transmission Facility Outage Limits Report (Days 3 to 34)
- Hourly Uplift Charges Report, Daily Uplift Report and Monthly Uplifts Reports
- Customer Energy Summary Report

# System Adequacy Report

Existing Design (Table 3-1, P&R)	New Design
<p><b>Revise for Timing and Content</b> Published twice per day for days 2 to 34, at approximately 08:45 and 20:15 EST.</p>	<p><b>Revise for Timing with Reduced Content Change</b> Revise report to provide the demand forecast for the four demand forecast areas.</p> <p>Published twice per day for days 2 to 34, at approximately 08:45 and 15:00 EST.</p>

## Rationale:

- Streamline reporting requirements by providing forecast demand in Adequacy Report instead of separate reports with forecast demand only.
- No change from current publishing time for second daily report for Days 2 to 34. Provide updated information earlier to help market participants inform their offers and bids particularly for day 2.

# Physical Transaction Dispatchable Resource Energy Price Report and Physical Transaction Non-Dispatchable Load Energy Price Report

<b>Existing Design (Table 3-2, P&amp;R)</b>	<b>New Design</b>
<b>New</b> These new reports were to provide market participants with the average day-ahead and average real-time price delta for the Ontario Zonal Price (for non-dispatchable loads) and LMP (for dispatchable loads).	<b>Remove</b>

## Rationale:

- This information will be provided to market participants via their confidential prudential records on Online IESO.

# Dispatch Data Report for Real-time Scheduling Process

<b>Existing Design (Table 3-3, P&amp;R)</b>	<b>New Design</b>
<p><b>New</b> Provide market participants with summary of their final daily and hourly dispatch data submitted for Predispatch and Real-time scheduling processes.</p>	<p><b>New</b> Splitting into two new reports:</p> <ol style="list-style-type: none"><li><b>1. Dispatch Data for Real-time Scheduling Process for Resources:</b> Provide market participants with confirmation of dispatch data for their resources as input into Real-time calculation engine.</li><li><b>2. Dispatch Data for Real-time Scheduling Process for Forebays:</b> Provide market participants with confirmation of dispatch data for their forebays as input into Real-time calculation engine.</li></ol>

## Rationale:

- Splitting the report into two reports will improve user readability and improve report layout.



# Day-Ahead Check Source/ADE Report

Existing Design (Table 3-5, P&R)	New Design
<p><b>Revise for Timing</b> Reporting timelines to be aligned with day-ahead market timelines. This report would have been provided at approximately 13:30 EPT after successful completion of day-ahead market calculation engine run.</p>	<p><b>Retire</b></p>

## Rationale:

- This report will be retired post-MRP as the required information will be available in the Dispatch Data for Day Ahead Scheduling Process Report.
- Streamline reporting requirements by eliminating duplication of same information being published in multiple reports.

# Yearly Day-Ahead Market Hourly Energy and Operating Reserve Price Report

Existing Design (Table 3-8, P&R)	New Design
<b>New</b> Publish a new year-to-date report with hourly locational marginal price for energy and operating reserve for every delivery point from day-ahead scheduling process	<b>Remove</b> New report will not be published

## Rationale:

- The expected large file size creates an implementation challenge for the IESO to publish this report as designed.
- Information will be provided in the DAM Hourly Energy and Operating Reserve LMP Reports.
- Streamline reporting requirements by eliminating duplication of same information being published in multiple reports.

# Yearly Pre-dispatch Hourly Energy and Operating Reserve Price Report

Existing Design (Table 3-9, P&R)	New Design
<b>New</b> Publish a new year-to-date report with hourly locational marginal price for energy and operating reserve for every delivery point from pre-dispatch scheduling process	<b>Remove</b> New report will not be published

## Rationale:

- The expected large file size creates an implementation challenge for the IESO to publish this report as designed.
- Information will be provided in the Pre-Dispatch Hourly Energy and Operating Reserve LMP Report.
- Streamline reporting by eliminating duplication of same information being published in multiple reports.

# Yearly Real-Time 5-min Energy and Operating Reserve Price Report

Existing Design (Table 3-10, P&R)	New Design
<b>New</b> Publish a new year-to-date report with 5-minute interval locational marginal price for energy and operating reserve for every delivery point from real-time scheduling process	<b>Remove</b> New report will not be published

## Rationale:

- The expected large file size creates implementation challenge for the IESO to publish this report as designed.
- Information will be provided in the Real-Time 5-min Energy and Operating Reserve LMP Report.
- Streamline reporting by eliminating duplication of same information being published in multiple reports.

# Ontario Near-Term Demand Forecast Report (Day 0 to 10)

Existing Design (Table 3-12, P&R)	New Design
<b>New</b> Publish a new report for Day 0 to 10 with forecast demand for the four forecast areas	<b>Remove</b> New report will not be published

## Rationale:

- The System Adequacy Report will be revised to provide the demand forecast for the four demand forecast areas.
- Streamline reporting requirements by eliminating duplication of same information being published in multiple reports.

# Ontario Mid-term Demand Forecast Report (Day 11 to 34)

Existing Design (Table 3-12, P&R)	New Design
<b>New</b> Publish a new report for Day 11 to 34 with forecast demand for the current East and West demand zones.	<b>Remove</b> New report will not be published

## Rationale:

- The System Adequacy Report will be revised to provide the demand forecast for the four demand forecast areas for day 11 to 34.
- Streamline reporting requirements by eliminating duplication of same information being published in multiple reports.

# Variable Generation Forecast by Resource Report

<b>Existing Design (Table 3-13, P&amp;R)</b>	<b>New Design</b>
<p><b>Revise for Timing</b> The timing of current market participant confidential report was to be revised to provide variable generation forecast in advance of the day-ahead market submission deadline.</p>	<p><b>Maintain existing timing</b> The timing of the report will not be revised.</p>

## Rationale:

- Currently, this report is published approximately 5 minutes prior to every hour with forecast for the next 48 hours providing sufficient time and opportunity for participants to make an informed decision on whether to submit their own forecast or to use the forecast provided by the IESO.

# Area Reserve Constraints Reports

Existing Design (Table 3-14, P&R)	New Design
<p><b>Revise for Timing</b> Reporting timelines to be aligned with day-ahead market timelines. This report to be issued prior to the start of the day-ahead scheduling process.</p>	<p><b>Revise for Timing and Create New Report</b></p> <p><b>Revise for Timing:</b> Existing report will be issued after the successful completion and validation of the DAM calculation engine results.</p> <p><b>New Report:</b> Pre-DAM Area Reserve Constraints Report will be published with advisory inputs for use by the DAM calculation engine.</p>

## Rationale:

- A new report will be issued at approx. 9:00 EPT with advisory inputs for the DAM calculation engine.
- Existing report will be issued after the successful completion and validation of the DAM calculation engine results to reflect area reserve constraints as used by the DAM calculation engine.



# Intertie Scheduling Limits Reports

Existing Design (Table 3-16, P&R)	New Design
<p><b>Revise for Timing</b> Reporting timelines to be aligned with day-ahead market timelines. This report to be issued prior to the start of the day-ahead scheduling process.</p>	<p><b>Revise for Timing and Create New Report</b></p> <p><b>Revise for Timing:</b> Existing report will be issued after the successful completion and validation of the DAM calculation engine results.</p> <p><b>New Report:</b> Pre-DAM Intertie Scheduling Limits Report will be published with advisory inputs for use by the DAM calculation engine.</p>

## Rationale:

- A new report will be issued at approx. 9:00 EPT with advisory inputs for the DAM calculation engine.
- Existing report will be issued after the successful completion and validation of the DAM calculation engine results to reflect intertie scheduling limits as used by the DAM calculation engine.

# TR Hourly Zonal Price Report

Existing Design (Table 3-15, P&R)	New Design
<b>Revised for Content</b> Revise report to show day-ahead intertie LMP instead of zonal price from Pre-dispatch Unconstrained Schedule calculation engine run.	<b>Retire</b> Report will not be published post MRP implementation

## Rationale:

- Day-Ahead Hourly Intertie Energy LMP Report, will contain the DAM external congestion price for each intertie zone.
- Streamline reporting requirements by eliminating duplication of same information being published in multiple reports.

# Monthly Historical Interface Flows, Schedules, Transmission Transfer Capability

<b>Existing Design (Table 3-15, P&amp;R)</b>	<b>New Design</b>
<b>No Change</b>	<b>Revised for Content</b> Report will be revised to provide energy scheduled in DAM between Ontario and the intertie zones and to provide intertie transfer capacity into and out of Ontario as used by the DAM calculation engine.  <b>Revise Report Name:</b> Monthly Day Ahead Historical Interface Schedules, Transmission Transfer Capability

## Rationale

- Provide information from the Day Ahead market for the Transmission Rights (TR) market participants since they will be settled in the day ahead timeframe post MRP.

# Transmission Facility Outage Limits Report (Days 0 to 2)

Existing Design (Table 3-17, P&R)	New Design
<b>Revise for Content</b> This report will be enhanced to show the normal operating limit as well as the revised operating limit.	<b>Maintain existing design</b> Report will not be revised.

## Rationale:

- Normal operating limits are provided in existing Transmission Facility All in Service Limits Report (Days 0 to 34).
- Streamline reporting requirements by eliminating duplication of same information being published in multiple reports.

# Transmission Facility Outage Limits Report (Days 3 to 34)

Existing Design (Table 3-17, P&R)	New Design
<b>Revise for Content</b> This report will be enhanced to show the normal operating limit as well as the revised operating limit.	<b>Maintain existing design</b> Report will not be revised.

## Rationale:

- Normal operating limits are provided in existing Transmission Facility All in Service Limits Report (Days 0 to 34).
- Streamline reporting requirements by eliminating duplication of same information being published in multiple reports.

# Hourly Uplift Charges Report, Daily Uplift Report and Monthly Uplifts Reports

<b>Existing Design (Table 3-24, P&amp;R)</b>	<b>New Design</b>
<p><b>Revise for Content</b> These existing reports provide information relating to IESO-administered market charges. It was identified these reports would need to be revised to capture new and retired settlement charge types for MRP.</p>	<p><b>Maintain existing design</b> Reports will not be revised.</p>

## Rationale:

- These reports do not need to be changed as new and retired settlement charge types can be integrated into these existing reports.

# Customer Energy Summary Report

Existing Design (Table N/A)	New Design
<b>Change Not Identified</b> Existing market participant confidential report not identified for change	<b>Revised for Content</b> Report will be revised to change Hourly Ontario Energy Price (HOEP) to Ontario Zonal Energy Price.

## Rationale:

- Hourly Ontario Energy Price (HOEP) will not be used post MRP as such replace with Ontario Zonal Price.

## Additional Information

- The Technical Reference Materials section of the Market Renewal webpage provides:
  - A complete list of market facing reports impacted by MRP. The list contains estimated schedule for when sample reports and schemas will be published for all new and revised reports.
  - Materials, including sample reports, schemas, and help files are already posted for various reports, and further additions will be made as per the estimated schedule.



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# Thank You

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