



**MAY 23, 2023**

# Market Facing Reports Engagement - MRP

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# Purpose

- Provide details on a list of reports that have been updated during the process of implementing the detailed design
- Discuss insights and advice on market participant engagement and preparedness for the reporting changes

# Background

- As Market Renewal is going through the implementation process, it will necessitate creating and updating certain reports
- Detailed Design provided considerable background in the [Publishing and Reporting Market Information](#) (P&R) document
- As Market Rules and Market Manuals are being shared with stakeholders, even more detail on reporting is being codified

# Market Participant Impacts

- The IESO will identify where changes have been made to reports during the implementation process, and clearly communicate those changes to market participants
- Participants will have the opportunity to provide feedback on any technical issues through the schema postings phase, then again through market trails
  - The IESO will develop a system for defect tracking, and communication of changes, if required

# External Reports: Updated Summary

Change Type	Detail Design	Current	Description of change
Update Content	28	23	-2 web content, -2 duplicate in P&R; -4 no change required; +2 PSU to cover all market timeframes
New	53	54	-2 Prudential; -1 ADE; -1 MPM; + 4 MPM to cover all market timeframes; +1 Load Forecast Deviation
Update Timing Only	10	9	-1 retired
<b>Total</b>	<b>91</b>	<b>86</b>	
Retire	31	32	+1 discovered

# List of Revised Reports

Reports that have been updated since detailed design:

1. System Adequacy Report
2. Pseudo-Unit (PSU) Generator Data  
Computed Values Report
3. Day-Ahead Schedule Report
4. ADE Expansion Request Approval  
Report
5. Pre-Dispatch Binding and Advisory  
Schedules Report
6. Pre-Dispatch  
Demand Response Schedules Report
7. Real-Time Operating Reserve in  
Market Report
8. Market Power Mitigation Reports
9. Load Forecast Deviation
10. Reports published via website data

# 1. System Adequacy Report

Existing Design (Table 3-1, P&R)	New Design
<b>Revise for Timing and Content</b> Add new market participant types (price responsive loads and virtual traders).	<b>Revise for Timing only</b> Report will not include new market participant types.

## Rationale:

Price responsive loads and virtual traders are not required in the adequacy calculation; their Day-Ahead Market (DAM) schedule data will be available in the 'Day-Ahead Totals Report'.

## 2. PSU Generator Data Computed Values Report

Existing Design (Table 3-3, P&R)	New Design
<p><b>Revise for Timing and Content</b> Initial publication of the PSU generator data computed values report to be aligned with future day-ahead market timelines. Report will be issued at approximately 10:00 Eastern Prevailing Time.</p> <p>Additional revisions to pseudo-unit data computed values will be published hourly.</p>	<p><b>Revise for Timing and Content</b> Report will be issued <b>after</b> the successful completion of the DAM calculation engine.</p> <p>Additional revisions to pseudo-unit data computed values will be published hourly <b>and every 5-minutes.</b></p>

**Rationale:** The computed PSU operational values will not be available until after the successful completion of each calculation engine. Outages and derates are impactful to these computed values in all timeframes.



### 3. Day-Ahead Schedule Report

Existing Design (Table 3-5, P&R)	New Design
<p><b>Revise for Timing and Content</b> Include DAM quantity of energy scheduled for withdrawal at every delivery point for settlement of non-dispatchable loads (NDL).</p>	<p><b>Revise for Timing and Content</b> Report will <b>not</b> include DAM quantity of energy scheduled for withdrawal at every delivery point for settlement of non-dispatchable loads.</p> <p>Report <b>will provide</b> information per dispatch hour identifying mitigation conditions which are met during price impact test failures for ex-ante mitigation.</p>

**Rationale:** DAM quantity of energy scheduled for withdrawal is not applicable to NDL delivery points. DAM forecast quantity for NDL delivery points will be covered under Load Forecast Deviation Report.

### 3. Day-Ahead Schedule Report (Cont'd)

Existing Design (Table 3-5, P&R)	New Design
<p><b>Revise for Timing and Content</b> Include DAM quantity of energy scheduled for withdrawal at every delivery point for settlement of non-dispatchable loads (NDL).</p>	<p><b>Revise for Timing and Content</b> Report will <b>not</b> include DAM quantity of energy scheduled for withdrawal at every delivery point for settlement of non-dispatchable loads.</p> <p>Report <b>will provide</b> information per dispatch hour identifying mitigation conditions which are met during price impact test failures for ex-ante mitigation.</p>

**Rationale:** Merging 'Notice of Mitigation of a Resource for a Price Impact Report' into the 'Day-Ahead Schedule Report' to improve user readability and report efficiency.

## 4. ADE Expansion Request Approval Report

Existing Design (Table 3-5, P&R)	New Design
<b>New</b> Confidential notification for approval of ADE expansion request.	<b>Removed</b> Maintaining the current process of verbal communication between the IESO and the market participant.

### Rationale:

The current process is sufficient given the risk and impact of tracking ADE expansion request decisions.

## 5. Pre-Dispatch Binding and Advisory Schedules Report

Existing Design (Table 3-6, P&R)	New Design
<p><b>New</b></p> <p>Notify a market participant of their new NQS resource commitments (binding start-up instruction and operational constraints), and provide advisory schedules (energy and operating reserve) and advisory prices for all resources.</p>	<p><b>Revise Content and New</b></p> <p>Splitting into two new reports:</p> <ol style="list-style-type: none"><li><b>1. Pre-Dispatch (PD) Schedules Report:</b> Existing market report revised to show advisory schedules (energy and operating reserve) from the PD calculation engine. Report will provide information per dispatch hour identifying mitigation conditions which are met during price impact test failures for ex-ante mitigation.</li><li><b>2. PD Commitments Report:</b> New report to show day-ahead and PD commitments as confirmed in the PD timeframe. Report to also indicate which hour the start-up notification was issued for the commitments.</li></ol>

**Rationale:** Splitting the 'PD Binding and Advisory Schedules Report' into two and merging 'Notice of Mitigation of a Resource for a Price Impact Report' into the 'PD Schedules Report' will improve user readability and report efficiency.

## 6. Pre-Dispatch Demand Response Schedules Report

Existing Design (Table 3-6, P&R)	New Design – Cont'd
<b>Revise for Timing</b> Reporting timelines to be aligned with pre-dispatch schedule.	<b>Retire</b>

### **Rationale:**

Report publishes information on the pre-dispatch constrained schedules of Ontario's Demand Response 3 (DR3) resources for all hours of the current and next day. The DR3 program does not exist in today's market and will not be part of the future market.

## 5. Pre-Dispatch Advisory and Binding Schedules Report (Cont'd)

Existing Design (Table 3-6, P&R)	New Design – Cont'd
Notify market participants of their new NQS resources commitments (binding start-up instruction and operational constraints), and provide advisory schedules (energy and operating reserve) and advisory prices for all resources.	<b>Content Change</b> Report will <b>not</b> include advisory prices.

### Rationale:

Removing advisory prices to improve user readability and reduce duplication. Price information will be available in the 'Pre-Dispatch Pricing Report' (P&R Table 3-9).

## 7. Real-Time Operating Reserve in Market Report

Existing Design (Table 3-14, P&R)	New Design
<b>Revise for Content</b> Remove unconstrained market information.	<b>Retire</b>

### **Rationale:**

Control Action Operating Reserve is no longer a market feature under MRP.

## 8. Market Power Mitigation Reports

Existing Design (Table 3-22, P&R)	New Design
<p><b>New</b> Market participant confidential, event-specific report in the event that the conduct and impact test is failed for price impact.</p>	<p><b>Removed</b> Market Participants will be notified in the 'Day-Ahead Schedule Report' and the 'Pre-Dispatch Schedules Report' in the event that the price impact test is failed.</p>
<p><b>New</b> Dynamic Constrained Areas (DCA) Reference Levels Reference Quantities Global Market Power Conditions</p>	<p><b>New x2</b> Dynamic Constrained Areas (DCA) for DA and RT Reference Levels for DA and RT Reference Quantities for DA and RT Global Market Power Conditions for DA and RT</p>

### Rationale:

To ensure data availability across all market timeframes and improve user readability and reporting efficiency.



## 9. Load Forecast Deviation

Existing Design (Table N/A)	New Design
Not identified	<b>New</b> Non-dispatchable load forecast deviation between day-ahead and real-time will be reported for settlement purposes

### Rationale:

Report was added for transparency and reconciliation of settlement outcomes for non-dispatchable loads.

## 10. Reports Published via Website Content

Report	Existing Design	New Design
Weekly Market Summary Report	Existing market report that is being updated under market renewal to capture such changes as replacing the <i>hourly Ontario energy price</i> with locational marginal prices and an Ontario zonal price.	Information to be published through ieso.ca data pages and not through a report
Monthly Market Report		

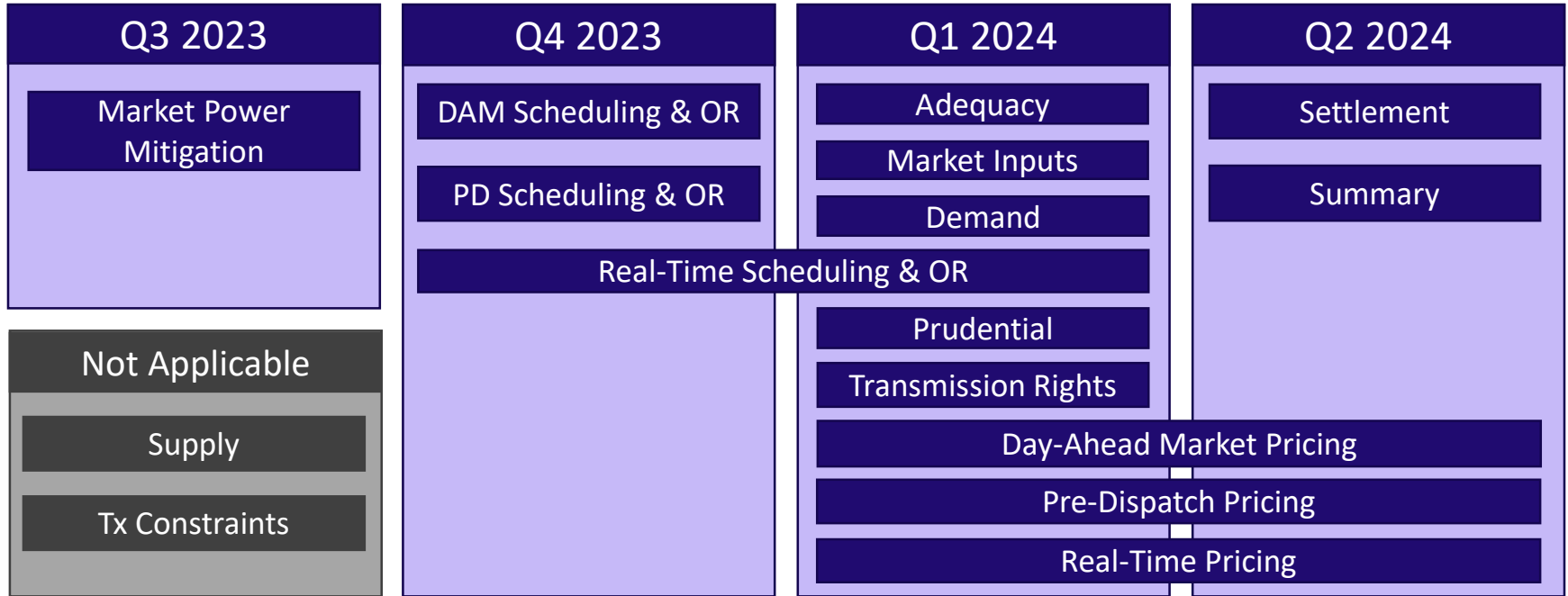
### Rationale:

Reports have been transitioned to website content. MRP will continue this new approach.

## Approach & Timeline

- Schema & sample files will be published for all “revised for content” and “new” reports in 4 batches: Q3 2023, Q4 2023, Q1 2024, and Q2 2024
- Reports that will be “revised for timing” will not require a change to schema or sample files; new timing will be communicated to MPs by Dec 2023 to update API schedules
- Reports that will be “retired” will not require a change to schema or sample files; a transition plan to ensure appropriate availability of data through MRP go-live will be shared in Q2 2024

# Schema & Sample File Timeline by Group



# Report & Schema File Quantities by Group

Report Group	# Reports	# Schema	Target Schema Posting
MPM	12	12	Q3 2023
DAM Scheduling & OR	12	7	Q4 2023
Pre-Dispatch Scheduling & OR	5	5	Q4 2023
Real-Time Scheduling & OR	10	10	Q4 2023/Q1 2024
Adequacy	1	1	Q1 2024
Market Inputs	5	5	Q1 2024
Supply	1	0	N/A
Demand	3	3	Q1 2024

# Report & Schema File Quantities by Group (Cont'd)

Report Group	# Reports	# Schema	Target Schema Posting
Prudential	2	2	Q1 2024
TX Constraints	3	0	N/A
Transmission Rights	2	2	Q1 2024
DAM Pricing	8	8	Q1/Q2 2024
Pre-Dispatch Pricing	7	7	Q1/Q2 2024
Real-Time Pricing	9	9	Q1/Q2 2024
Settlement	5	5	Q2 2024
Summary	1	1	Q2 2024

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# Thank You

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