IESO's Internal Readiness for MRP

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Objective

Provide an overview of the approach the IESO is taking to prepare internal staff for MRP for insight into efforts we are taking to ensure IESO is ready and considerations for participants planning their own readiness efforts.



MRP Impact within the IESO

- 14 business groups are highly impacted; need training on new processes and tools, introduced by MRP each group different
- ~10 groups are uniquely impacted, need tailored consultation, coordination with MRP
- All staff (over 1000 employees) indirectly impacted, need awareness of MRP as a priority initiative for the IESO



Approach to Internal Readiness: Change Management

Managing the people side of change:

- Project management ensures documentation and tools are delivered
- Change management is about ensuring the people are ready to successfully adopt and implement the change

Change management is a structured framework that supports and enables people to successfully implement change.



Overview of Internal Readiness Approach

Assess

Stakeholder Segmentation

Change Impact

Implementation Timing

Plan

Communication Plans

Training strategy and plans

Readiness Checklist

Resourcing Plans (preand post-go-live) Deliver

Engagement

User Acceptance Testing

Readiness Assessments

Concept, Process & Tool Training

Cutover plans

Refresher Training



Approach for MRP Internal Training

MRP Academy

New and updated market concepts:

- Market Power Mitigation
- Locational Marginal Pricing
- Prudentials
- Virtual Traders
- Price Responsive Loads
- Etc.

Procedural Training

New and updated procedures:

- Internal manuals
- Process documentation
- User Guides
- New data
- New market manuals and rules

Tool Training

New and updated tools:

- Hands-on
- Exploratory
- Scenarios and test cases
- Simulations
- Happy path and edge cases



Where are we now?

- Training on MRP Concepts, in progress
- Development of internal procedures, in progress
- Tool and integrated process testing, in progress
- User Acceptance Testing, starting May (Operations & Settlements)
- Process and Tool Training, starting Fall 2024
- Control Room: Tool training, in progress

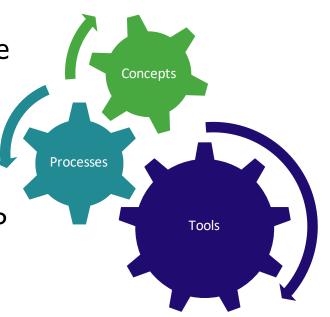


Appendix



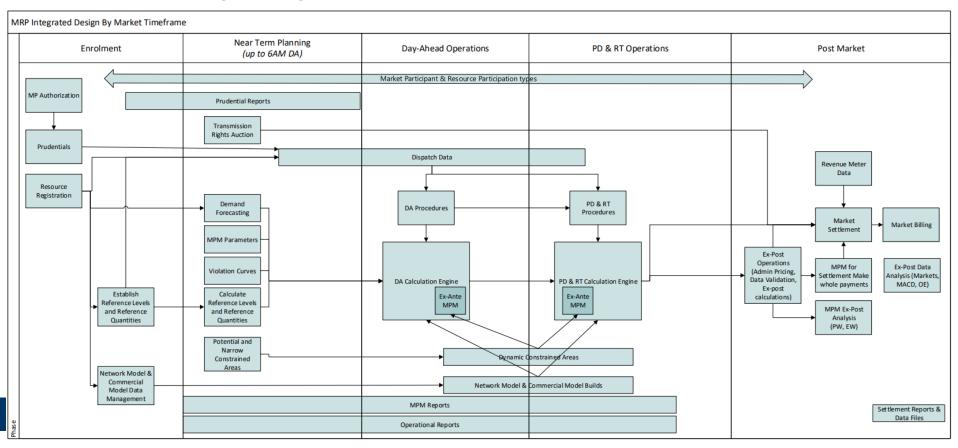
Change Impact Assessments

The Change Impact Assessment defines how changes affect our key stakeholder groups as we transition from current to future state. The detailed assessments that were conducted for internal stakeholder groups identify impacted procedures, IT tools and market concept knowledge that will need to be delivered by MRP in order to prepare the IESO for go-live.





MRP Concepts by Timeframe



Learning Concepts - Sample

Resource Types

Virtual Trading Market Participant type

Price Responsive Load Resource Type

Modeling

PSU Model

Cascade Hydro Model

Commercial Model with Pricing Locations

Dynamic Loss Factors

Four Zone Demand Forecast

Dispatch Data

New Hourly and Daily Dispatch Data

Dispatch data change restrictions

Calculation Engine

DAM Calculation Engine

RT Calculation Engine

Multi-hour PD Calculation Engine

PD Manual Run

Pricing

Locational Marginal Prices

Zonal Prices

Impacts of Operator Actions

Violation Curves

Control Action Operating Reserve

Mitigation

Make whole Payment Mitigation

Ex-ante Market power Mitigation

Market Control Entities & MPM Contacts

Reference Levels

Ex-post Market power Mitigation Assessments for Economic Withholding on the Interties

Ex-post Market power Mitigation Assessments for Physical Withholding

Process and Activities

Incremental and Capacity Intertie Transactions

PD Standalone Commitments, Extensions, and Advancements

Binding Start-up Instructions

DAM Operational Commitments

Day-ahead timeline

Market Remediation

Market Remediation Process

Settlement

Two Settlement

Make whole payments

Economic Operating Point

Congestion Rents

Intertie Settlement

Prudential Support

Calculation of Prudential Support Obligation

Reports and Data

Internal and External Reporting and data needs

Impacts Legend

High Impact

Medium Impact

Low Impact

