Revenue Metering Standing Committee

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Welcome Remarks

Victoria Falvo | Sr. Manager, Wholesale Metering

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IESO Org and Staff Updates

Changes:

- **Hasan Salman** – Technical Analyst (Rotation), Metering Registration and Integration

- **Ria Kalirai** – Analyst (Rotation), MDM

- **Sahand Seyfi** – Analyst (Rotation), MDM

- **Vicky Gao** – Analyst (Rotation), MDM

- **Jackie Tran** – MDM student, ending August 2025

- **Daisy Han** – MDM Student, beginning May 15, 2025

Lia Kosic
Director, Settlements

Victoria Falvo
Sr. Manager, Wholesale Metering

Tiberiu Abid
Supervisor Engineering, Metering Registration and Integration

Sr. Engineer/Technical Officer
Robert Stancu
Adeel Ahsan
Barry Spencer

Engineer/Technical Officer
Dan Coffin
Dharani Adunuri
Ji Gao

Technical Analyst
Brandon Kitamura
Arjun Jhamtani
Hasan Salman

Jeffrey Huang
Supervisor, Meter Data Management

Technical Officer
Aaron Murphy

Technical Analyst
Isabella Monaco

Analyst
Allan Luu
Benjamin Goodchild
Kaiwen Zheng
Ujjwal Prajapati
Farhana Priana
Patricia Hillis
Ria Kalirai
Sahand Seyfi
Vicky Gao

University Student
Jackie Tran
Daisy Han

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Administrative Items

Tiberiu Abid | Supervisor Engineering, Metering Registration and Integration

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Administrative Items List

- Review current meeting agenda

- Review and approval of last meeting minutes

- Action Items - none are open

IESO Metering Status and MSP Performance Updates

IESO Metering Updates

Jeffrey Huang | Supervisor, Meter Data Management

Metering Installations by the Numbers – Part 1

Total of 2575 metering installations (2260 physical + 315 virtual) registered in IESO Administered Market (IAM)

Physical Metering Installations

- 2260 physical metering installations

- 1920 registered under the Declaration of Compliance (DOC)

- 340 registered under the Alternative Metering Installation Standard (AMIS)

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Metering Installations by the Numbers – Part 2

Virtual Metering Installations

- 315 virtual metering installations

- 117 represent station service (unmetered or allocated between MMPs)

- 198 represent embedded generation for the purpose of transmission tariff (Form 1563)

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Metering Communications

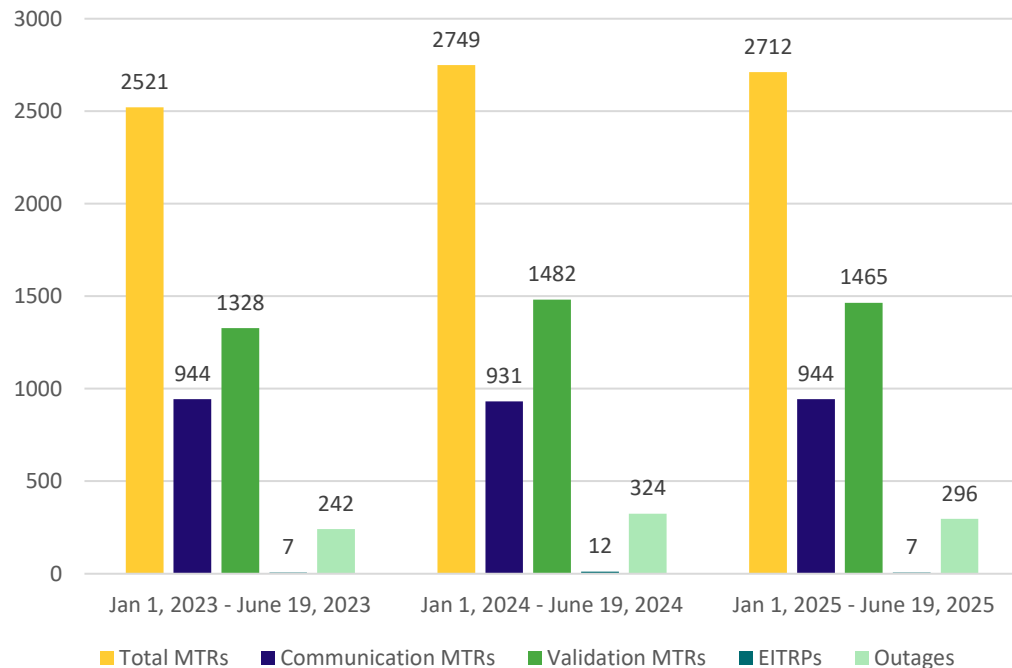- 4559 Meters interrogated daily

- 4544 via TCPIP (>99%, ■)

- 15 via telephone lines (<1%, ■)

Phone Line
<1%

TCPIP>99%
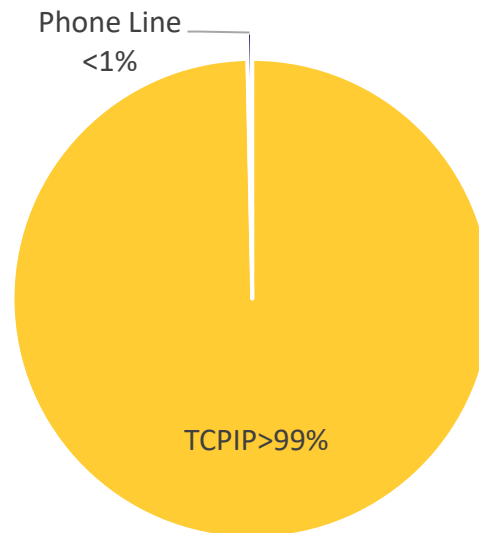
Meter Trouble Reports (MTRs) Overview

From January 1, 2025 – June 19, 2025

- 2416 MTRs issued

  - 944 Communication MTRs

  - 1465 Validation MTRs

  - 7 EITRP MTRs

  - 296 Outage MTRs opened

MSP Performance Metrics and Registration Updates

Isabella Monaco | Technical Analyst, Meter Data Management

Introduction to MSP Performance Reports

- Part of conformance monitoring

  - Defined by market rules: **Market Manual 3.9**

- MSP performance reports released monthly for **two** months preceding

  - MSPs can access via: Online IESO>Reports>MSP Performance Reports

- Four main themes:

  - Communications and Validations, MTRs, Registration and Errors/Conformance

- Overall, positive MSP performance over the last 12 months (May 2024 – April 2025)

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Overall MSP Performance Summary – Theme 1

Over the last 12 months (May 2024 – April 2025):

- 94% Successful Daily Meter Communication on First Attempt

- 97% Successful Daily Meter Communication

- Approximately 94% of the Meter Installations do not experience communication MTRs on a monthly basis (Measure 3)

- Approximately 96% of Meter Installations do not experience validation MTRs on a monthly basis (Measure 4)

Overall MSP Performance Summary – Theme 2

Over the last 12 months (May 2024 – April 2025):

- MTR responses has shown positive results relating to:

    - MTRs Resolved Within 2 Business Days of Issuance (Measure 5)

    - Number of Unresolved MTRs by Preliminary Settlement Statement (Measure 6)

    - Number of Unresolved MTRs by Final Settlement Statement (Measure 7)

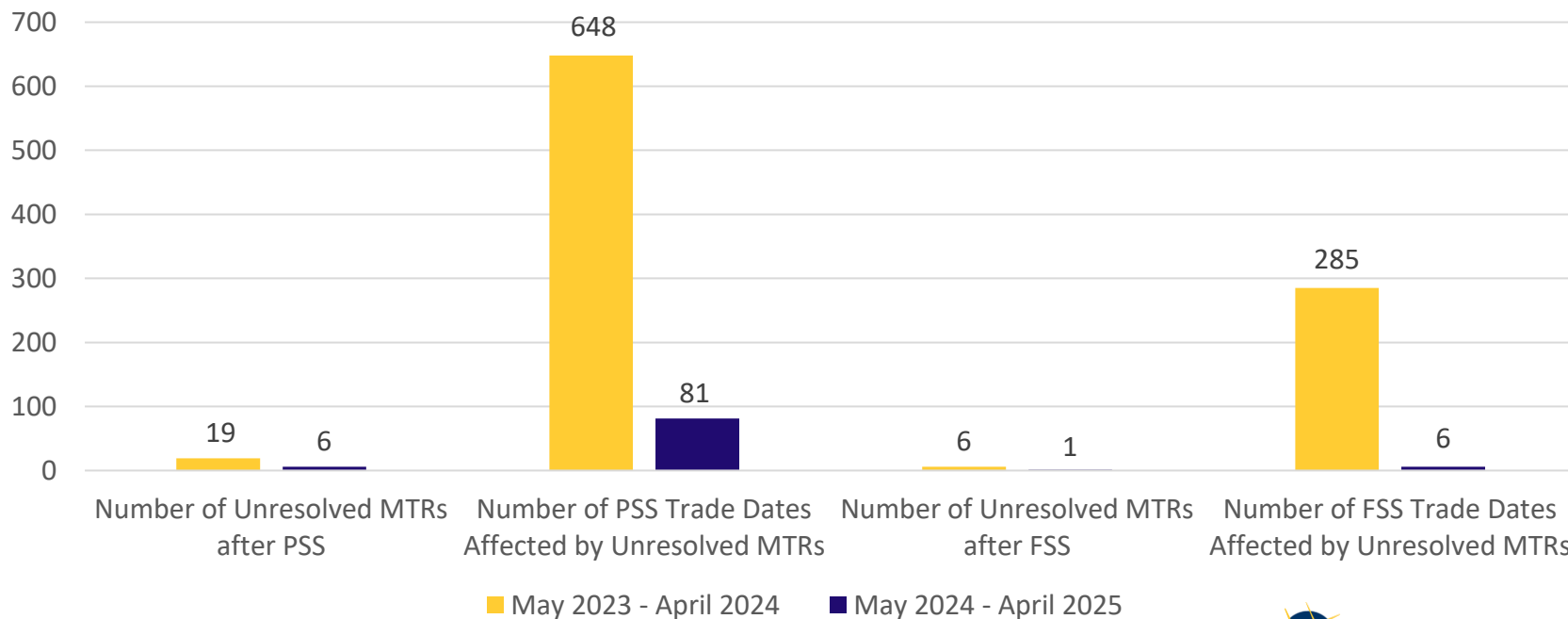# MSP Performance Monthly Breakdown (May 2024 – April 2025)

Measure	Target	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024	Jan 2025	Feb 2025	Mar 2025	Apr 2025
1. Successful Daily Meter Communication on First Attempt	90%	94.5	94.5	94.9	95.3	94.6	94.3	93.0	94.4	94.6	94.0	93.8	94.7
2. Successful Daily Meter Communication	95%	97.0	97.0	97.6	97.7	97.1	97.0	96.5	97.8	98.2	97.6	96.8	97.4
3. Communication Meter Trouble Reports Issued													
- # of communication MTRs issued	0	180	247	190	177	210	237	197	171	136	154	149	157
- % of meter installations without communication MTRs issued	100%	93.9	91.3	93.7	94.1	92.6	92.3	93.6	94.4	95.3	94.7	95.0	94.8

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MSP Performance Monthly Breakdown (May 2024 – April 2025)

Measure	Target	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024	Jan 2025	Feb 2025	Mar 2025	Apr 2025
4. Validation Meter Trouble Reports Issued													
- # of validation MTRs issued	0	126	106	142	104	101	137	97	105	105	97	127	117
- % of meter installations without validation MTRs issued	100%	95.4	96.0	95.0	96.2	96.4	95.4	96.5	96.4	96.4	96.7	95.7	96.0
5. Meter Trouble Reports Resolved Within 2 Business Days of Issuance	95%	97.5	97.4	98.4	98.1	96.6	97.3	98.0	97.5	97.6	98.1	98.6	97.8

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PSS/FSS Performance Overview

All MSPs 12-Month Performance
(May 2023 - April 2024 vs. May 2024 - April 2025)

Legend: ■ May 2023 - April 2024   ■ May 2024 - April 2025

Chart categories and values:
- Number of Unresolved MTRs after PSS: 19 / 6
- Number of PSS Trade Dates Affected by Unresolved MTRs: 648 / 81
- Number of Unresolved MTRs after FSS: 6 / 1
- Number of FSS Trade Dates Affected by Unresolved MTRs: 285 / 6

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Overall MSP Performance Summary – Theme 3

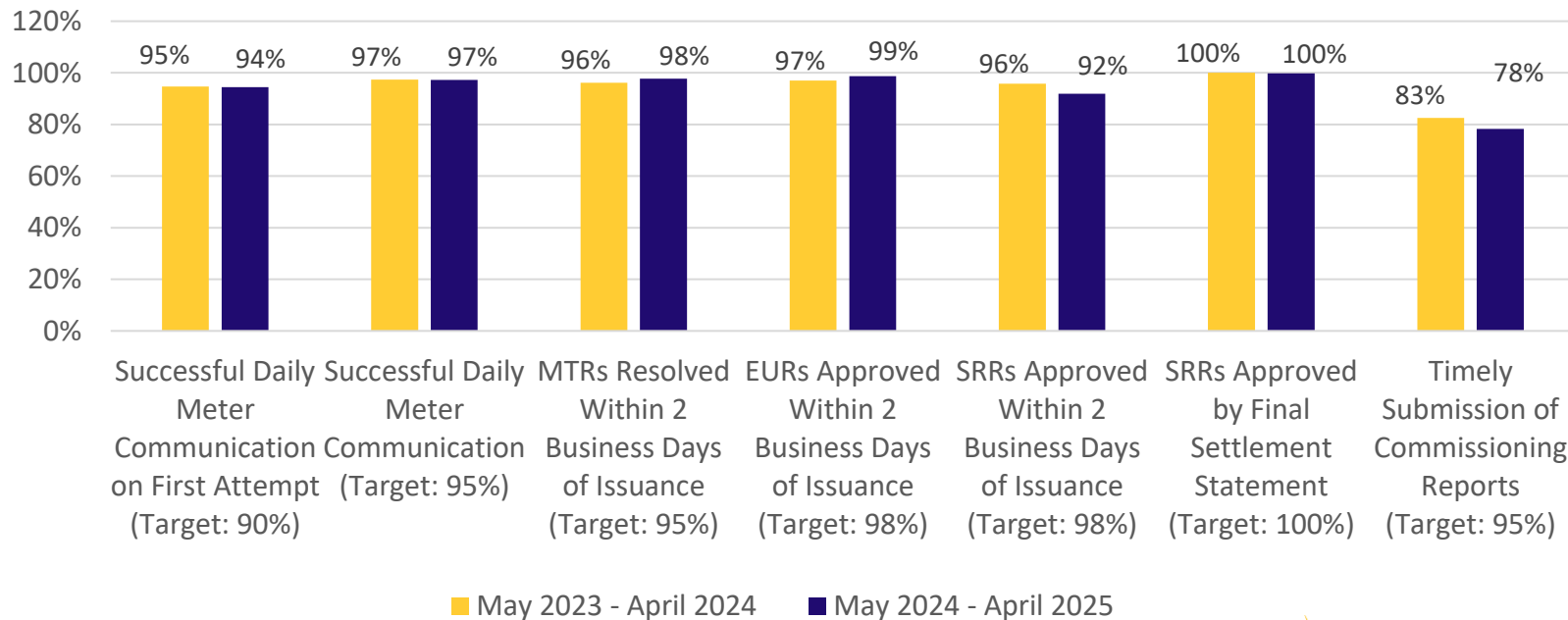Over the last 12 months (May 2024 – April 2025):

- Registration activity has shown positive results relating to:

    - EURs Approved Within 2 Business Days of Issuance (Measure 8)

    - SRRs Approved By Final Settlement Statement (Measure 10)

- Registration activity has shown lower performance relating to:

    - Timely Submission of Commissioning Reports (Measure 11)

MSP Performance Monthly Breakdown (May 2024 – April 2025)

Measure	Target	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024	Jan 2025	Feb 2025	Mar 2025	Apr 2025
8. Engineering Unit Reports Approved Within 2 Business Days of Issuance	98%	98.8	100.0	98.9	100.0	98.2	100.0	98.9	100.0	95.3	100.0	85.0	100.0
9. Site Registration Reports Approved Within 2 Business Days of Issuance	98%	100.0	95.2	86.0	100.0	75.0	100.0	85.7	100.0	92.5	100.0	63.2	86.8
10. Site Registration Reports Approved by Final Settlement Statement	100%	100.0	100.0	100.0	100.0	100.0	100.0	98.4	100.0	100.0	100.0	100.0	100.0
11. Timely Submission of Commissioning Reports	95%	88.9	81.0	84.0	73.3	55.6	80.0	74.3	72.7	90.5	93.3	76.9	63.3

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MSP Performance Breakdown

All MSPs 12 Month Performance
(May 2023 - April 2024 vs. May 2024 - April 2025)

Chart: All MSPs 12 Month Performance comparing May 2023 - April 2024 (yellow) vs. May 2024 - April 2025 (dark blue)

Metric	May 2023 - April 2024	May 2024 - April 2025
Successful Daily Meter Communication on First Attempt (Target: 90%)	95%	94%
Successful Daily Meter Communication (Target: 95%)	97%	97%
MTRs Resolved Within 2 Business Days of Issuance (Target: 95%)	96%	98%
EURs Approved Within 2 Business Days of Issuance (Target: 98%)	97%	99%
SRRs Approved Within 2 Business Days of Issuance (Target: 98%)	96%	92%
SRRs Approved by Final Settlement Statement (Target: 100%)	100%	100%
Timely Submission of Commissioning Reports (Target: 95%)	83%	78%

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Overall MSP Performance Summary – Theme 4

Over the last 12 months (May 2024 – April 2025):

- Measure 12, "Metering Registry Errors" have been 0 and over the last couple of years

- Measure 13, "Non-conformance incidents" resulting from R&P audits will continue to be reported (seeing positive impact from R&P audits conducted to date)

MSP Performance Monthly Breakdown (May 2024 – April 2025)

Measure	Target	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024	Jan 2025	Feb 2025	Mar 2025	Apr 2025
12. # of Metering Registry Errors	0	0	1	0	0	0	0	0	0	0	0	0	0
13. # of Non-Conformance Incidents	0	0	0	0	0	0	0	0	0	0	0	0	0

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Meter Registration Hotline Activities – Part 1

- 369 total completed (January 1, 2025 – June 19, 2025)

- 279 Like for Like Update (76%, ■)

- 76 Update Metering Installation (21%, ■)

- 9 Register Metering Installation (2%, ■)

- 5 Deregister Metering Installation (1%, ■)

Deregister Metering Installation 1%

Register Metering Installation 2%

Update Metering Installation 21%

Like for Like Update 76%

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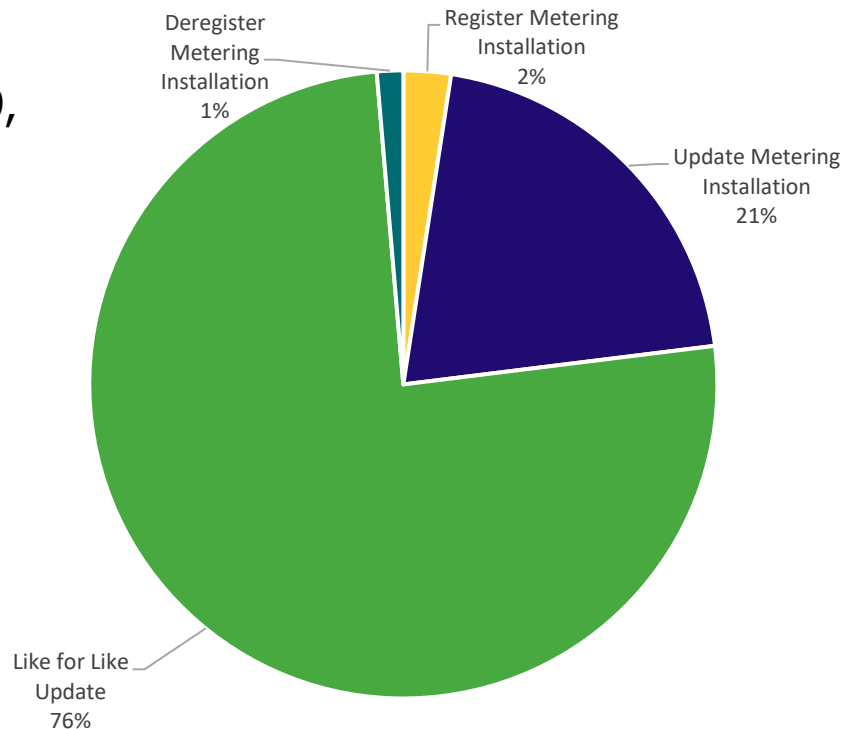
Meter Registration Hotline Activities – Part 2

- Note: Graph does not include update metering installation requests

- **IESO MTR Hotline:** 905-855-6441

- **IESO Meter Registration Hotline:** 905-855-6490

of Completed Registration Requests by Month

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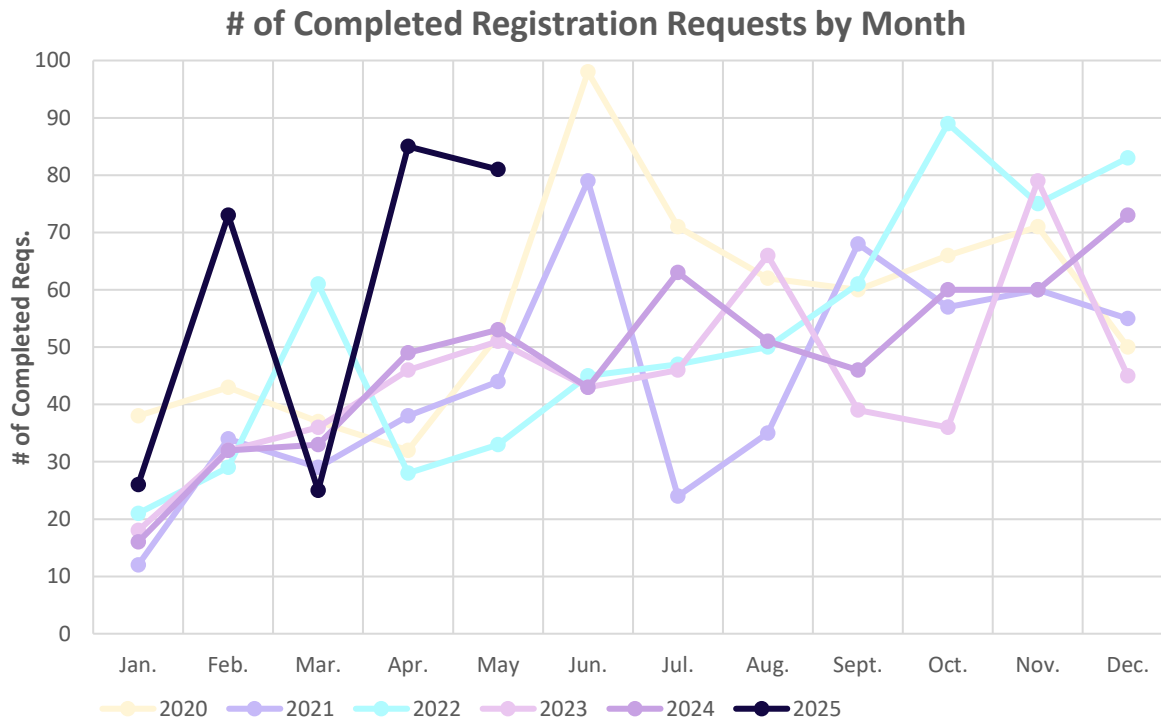
IESO Project and Initiatives Updates

Tiberiu Abid| Supervisor Engineering, Metering Registration and Integration

Meter Data Management System Replacement Project

- Replace existing Meter Data Management Solution (MDMS) a.k.a. LPS

- Current project scope does not consider any changes to upstream or downstream processes and/or systems/tools, e.g., MV-90, MIRT/MVT, Online IESO, CRS

- Project Status:

  o Planning phase

  o Procurement ongoing

  o Execution phase will start end of Q3-2025

Reference: (https://www.ieso.ca/Sector-Participants/Engagement-Initiatives/Engagements/Meter-Data-Management-System-Replacement)

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Resource Adequacy

<u>E-LT1 RFP and LT1 RFP</u>

- Currently in process of connecting the new E-LT1 resources to ICG

- Connection assessments underway for LT1 resources

- Increased metering workload for both IESO and MSPs

<u>LT2 RFP</u> – The final set of draft documents for the first LT2 RFP will be posted as soon as possible.

Reference: Long-Term 2 RFP (https://www.ieso.ca/Sector-Participants/Resource-Acquisition-and-Contracts/Long-Term-2-RFP)

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Enabling Resources Program (ERP)

- Scope is focus on incorporating electricity storage ("storage"), hybrid generation-storage pairings ("hybrids"), and small and aggregations of dispatchable Distributed Energy Resources (DER) (together the "ERP Resources") into the IESO-administered markets, tools, and processes

- Incorporating electricity storage project is in planning phase to consider the design requirements for the new model for electricity storage resources

Reference:

Enabling Resources Program (https://www.ieso.ca/Sector-Participants/Engagement-Initiatives/Engagements/Enabling-Resources-Program)

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Market Renewal Program

- The renewed market was launched on May 1, 2025, improving the way electricity is scheduled and priced across the province.

- These changes ensure we can continue to make the most cost-effective use of our supply every hour of every day as the grid expands to meet growing demand and incorporate new technologies.

- There were no changes to metering requirements and processes.

- See more on the renewed market (https://www.ieso.ca/Renewed-Market)

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Roundtable Discussion

Thank You

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