



DECEMBER 07, 2022

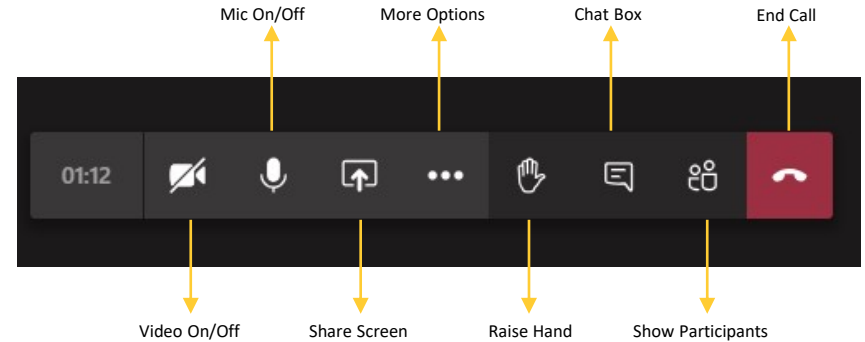
Revenue Metering Standing Committee

Meeting Etiquette

Please ensure you mute your microphone during the presentation.

If you have a questions or comments please:

- Raise hand, unmute mic when acknowledged
- Type question in chat





Welcome Remarks

Victoria Falvo | Sr. Manager, Meter Data Management



Administrative Items

Tiberiu Abid | Engineering Supervisor, Revenue Metering

Administrative Items - Overview

- Review current meeting agenda
- Review and approval of last meeting minutes

Administrative Items - Updates on action items

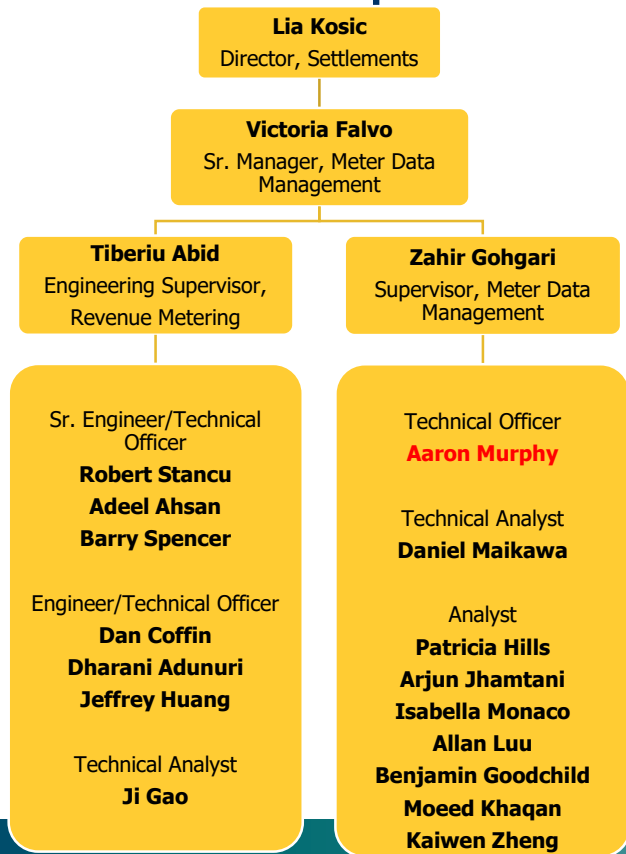
#	Date	Action	Status	Comments
1	Jun 2021	IESO to invite committee members to continue discussion relating to meter phase rotation and remedial plan.	Open	Dec 7/22: Status quo – still awaiting for MC revisions Jun 23/22: Status quo – still awaiting for MC revisions Dec 9/21: Follow up meeting conducted on Sep 15/21. The meeting did not yield any changes to the initial remediation plan. Based on IESO's discussions with Measurement Canada, it has been recognized the need to revise the current Measurement Canada S-E-08 to ensure clarity regarding this issue. MC plans to revise the S-E-08 by Q3-2022. Until then, IESO will pause the enforcement of the current remediation plan. Jun 24/21: The IESO will schedule a follow up meeting with the MSPs to discuss this further.



Metering Updates

Zahir Gohgari | Supervisor, Meter Data Management

IESO Staff Updates



Changes:

- Aaron Murphy – Technical Officer, Meter Data Management
– July 11, 2022

Metering Installations by the numbers

Total of 2476 metering installations registered in IESO Administered Market (IAM)

Physical Metering Installations

- 2199 physical metering installations
- 1843 registered under the Declaration of Compliance (DOC)
- 356 registered under the Alternative Metering Installation Standard (AMIS)

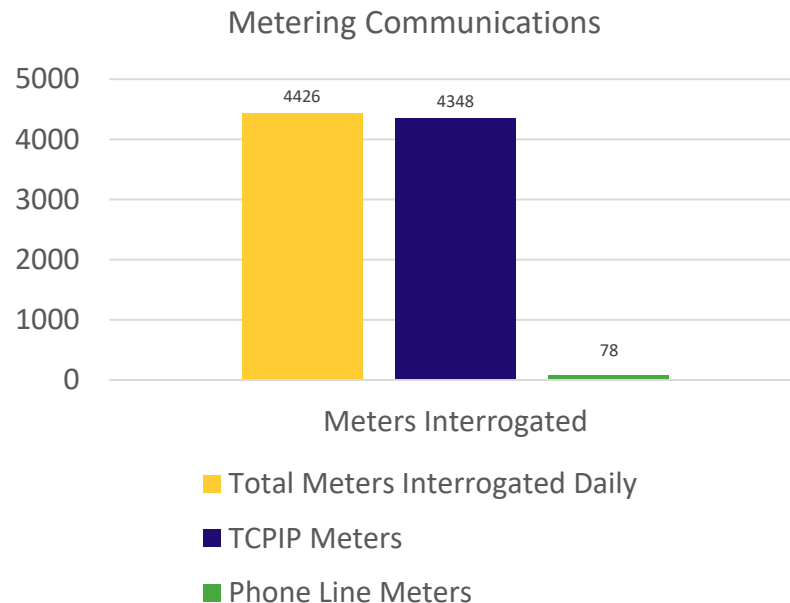
Metering Installations by the numbers - continued

Virtual Metering Installations

- 277 virtual metering installations
- 113 represent station service (unmetered or allocated between MMPs)
- 164 represent embedded generation for the purpose of transmission tariff (Form 1563)

Metering Communications

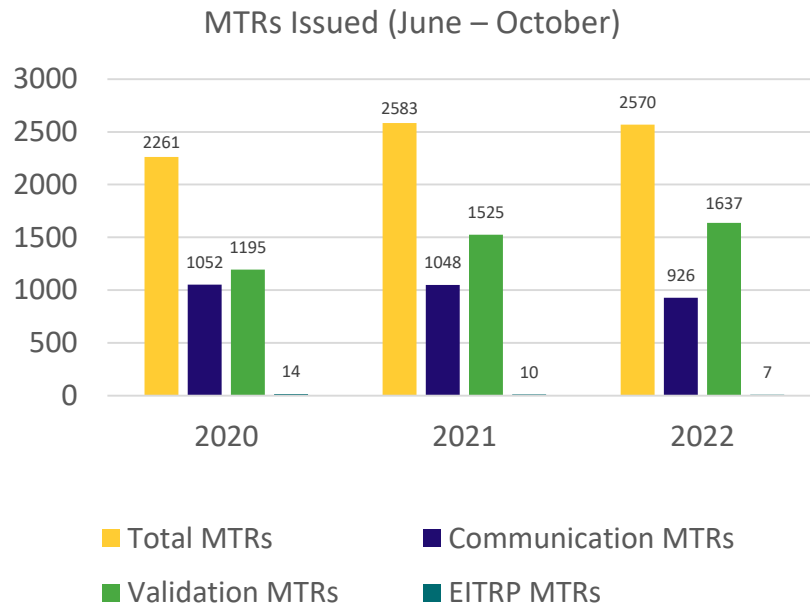
- 4426 Meters interrogated daily
- 4348 via TCPIP (98%)
- 78 via telephone lines (2%)



Meter Trouble Reports (MTRs) - Overview

From June 2022 – October 2022:

- 2570 MTRs issued to date
- 926 Communication and 1637 Validation MTRs
- 7 EITRP MTRs





MSP Performance Metrics and Registration Updates

Daniel Maikawa | Technical Analyst, Meter Data Management

Overall MSP Performance Summary - Overview

- Positive MSP performance over the last 12 months (October 2021 – September 2022)
- Approximately 93% of the Meter Installations do not experience communication MTRs on a monthly basis (Measure 3)
- Approximately 95% of Meter Installations do not experience validation MTRs on a monthly basis (Measure 4)

Overall MSP Performance Summary – Positive Results

- 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)

Overall MSP Performance Summary - Registration

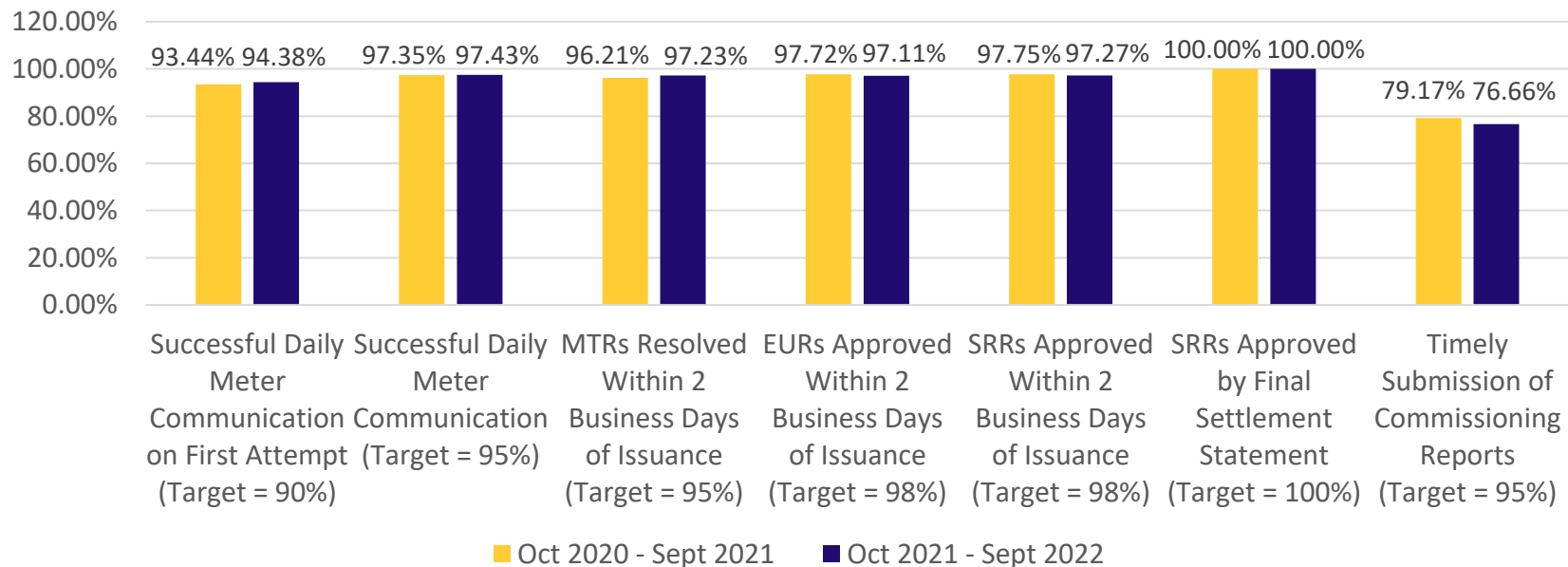
- Registration activity has shown positive results relating to:
 - EURs Approved Within 2 Business Days of Issuance (Measure 8)
 - SRRs Approved Within 2 Business Days of Issuance (Measure 9)
 - SRRs Approved By Final Settlement Statement (Measure 10)
- Registration activity has shown lower performance relating to:
 - Timely Submission of Commissioning Reports (Measure 11)

Overall MSP Performance Summary

- Measure 12, “Metering Registry Errors” have been 0 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 Breakdown

All MSPs 12 Month Performance
(Oct 2020 – Sept 2021 vs. Oct 2021 – Sept 2022)



MSP Performance Monthly Breakdown (Oct 2021 – Sept 2022)

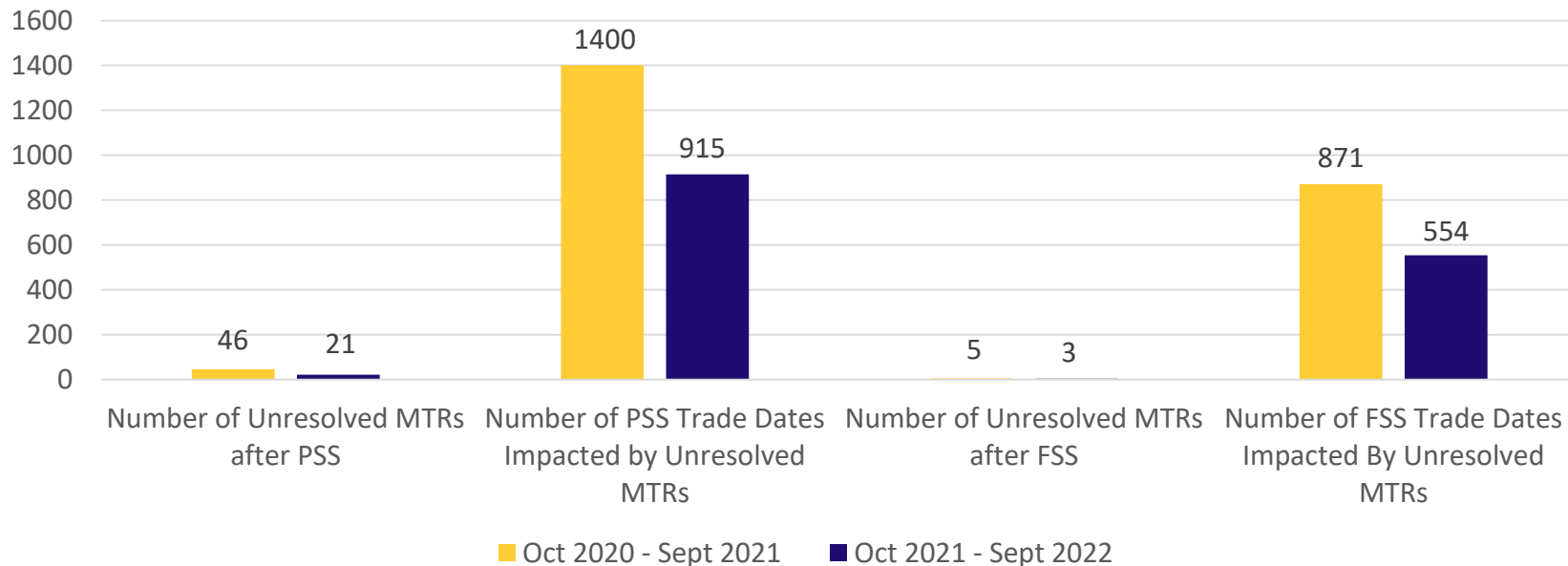
Measure	Target	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022	Sep 2022
1 - Successful Daily Meter Communication on First Attempt	90%	93.8	93.4	94.8	94.2	94.9	94.4	94.0	94.2	94.9	95.0	94.6	94.6
2 - Successful Daily Meter Communication	95%	97.2	96.6	97.8	97.2	98.0	97.1	97.1	97.3	98.0	97.8	97.5	97.7
3 - Communication Meter Trouble Reports Issued													
- Number of Communication MTRs Issued	0	224	203	138	327	109	150	199	202	166	157	170	204
- % of Meter Installations without communication MTRs issued	100%	91.5	92.9	95.1	87.8	96.3	94.5	92.9	92.9	94.1	94.4	94.2	93.4

MSP Performance Monthly Breakdown (Oct 2021 – Sept 2022)

Measure	Target	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022	Sep 2022
4 – Validation Meter Trouble Reports Issued													
- Number of Validation MTRs issued	0	151	147	148	73	81	103	110	125	158	177	148	156
- % of Meter Installations without Validation MTRs issued	100%	94.4	94.7	94.6	97.1	97.0	96.3	95.8	95.4	94.7	93.9	95.0	94.5
5 – Meter Trouble Reports Resolved Within 2 Business Days of Issuance	95%	96.7	97.3	97.3	98.3	97.7	95.8	98.0	96.6	98.1	95.2	97.1	98.6

PSS/FSS Performance Overview

All MSPs 12-Month Performance
(Oct 2020 – Sept 2021 vs. Oct 2021 – Sept 2022)



MSP Performance Monthly Breakdown 1 (Oct 2021 – Sept 2022)

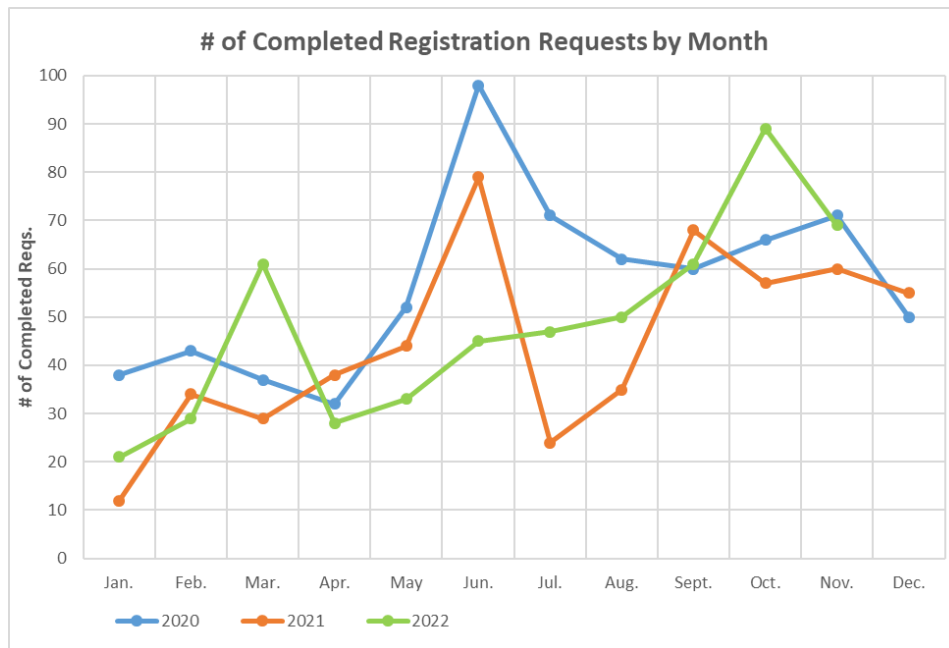
Measure	Target	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022	Sep 2022
8 – Engineering Unit Reports Approved Within 2 Business Days of Issuance	98%	97.2	100	100	100	100	100	100	79.1	93.3	97.1	100	94.9
9 – Site Registration Reports Approved Within 2 Business of Issuance	98%	100	100	100	100	87.5	100	100	100	100	75.0	95.7	97.7
10 – Site Registration Reports Approved by Final Settlement Statement	100%	100	100	100	100	100	100	100	100	100	100	100	100

MSP Performance Monthly Breakdown 2 (Oct 2021 – Sept 2022)

Measure	Target	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022	Sep 2022
11 – Timely Submission of Commissioning Reports	95%	91.2	88.2	94.7	100	92.9	58.3	66.7	30.0	23.8	64.3	83.3	75.6
12 - # of Metering Registry Errors	0	0	0	0	0	0	0	0	0	0	0	0	0
13 - # of Non Conformance Incident	0	0	0	0	0	0	0	0	0	0	0	0	0

Meter Registration Hotline Activities

- 715 completed (Jan 2022 – Nov 2022)
- Register Metering Installation (30)
- Update Metering Installation (261)
- Like for Like Update (414)
- Deregister Metering Installation (10)





IESO's Other Items

Daniel Maikawa | Technical Analyst, Meter Data Management

Outage MTRs Reminder

- Purpose: When Outage MTR is submitted by MSP it suppresses automatic Communication MTR issued by Online IESO system on Main and/or Alt meter
- MSPs are reminded to utilize Outage MTRs when they are aware of planned outages and on-going outages

Last Download (Meter Replacement) Reminder

- Prior to old meter being removed from service - MSPs are reminded to call the IESO Registration Hotline to perform a last download of the old meter data
- If MSP fails to notify IESO prior to replacing old meter, it is MSP's responsibility to retrieve old meter data and issue MTR (with data file attached) to IESO



Revenue Metering Audits

Daniel Coffin | Technical Officer, Revenue Metering

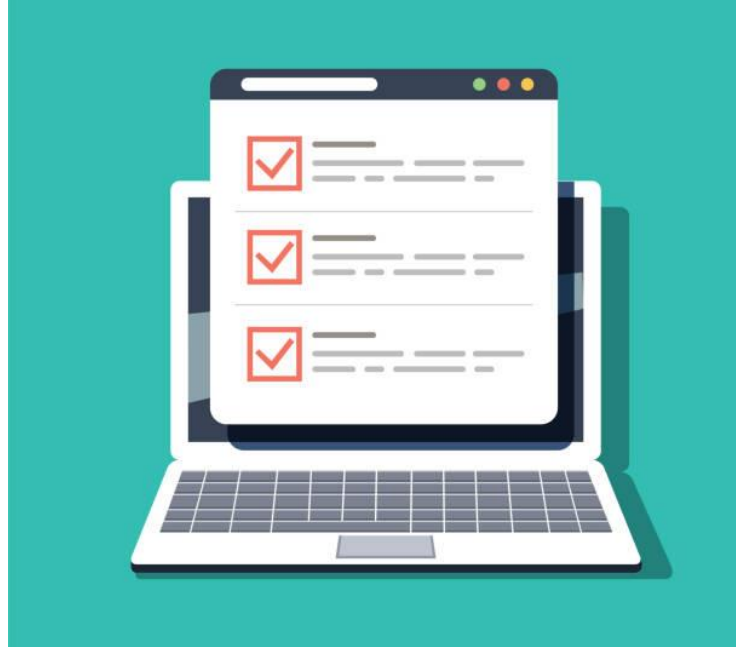
Revenue Metering Audits Summary

- Total of 129 metering installations were audited by IESO this year (representing approximately 10% of eligible population)
- Province-wide travel was re-instated for 2022 (recall previous two years auditing was limited to MIs located within GTA region due to pandemic)
- All reports have now been issued by IESO and audits are either closed (i.e. compliant) or with remedial actions assigned to the associated MMPs/MSPs

Roundtable Discussion



Member Survey



Thank You

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