PJM vs IMM Performance Metric Example

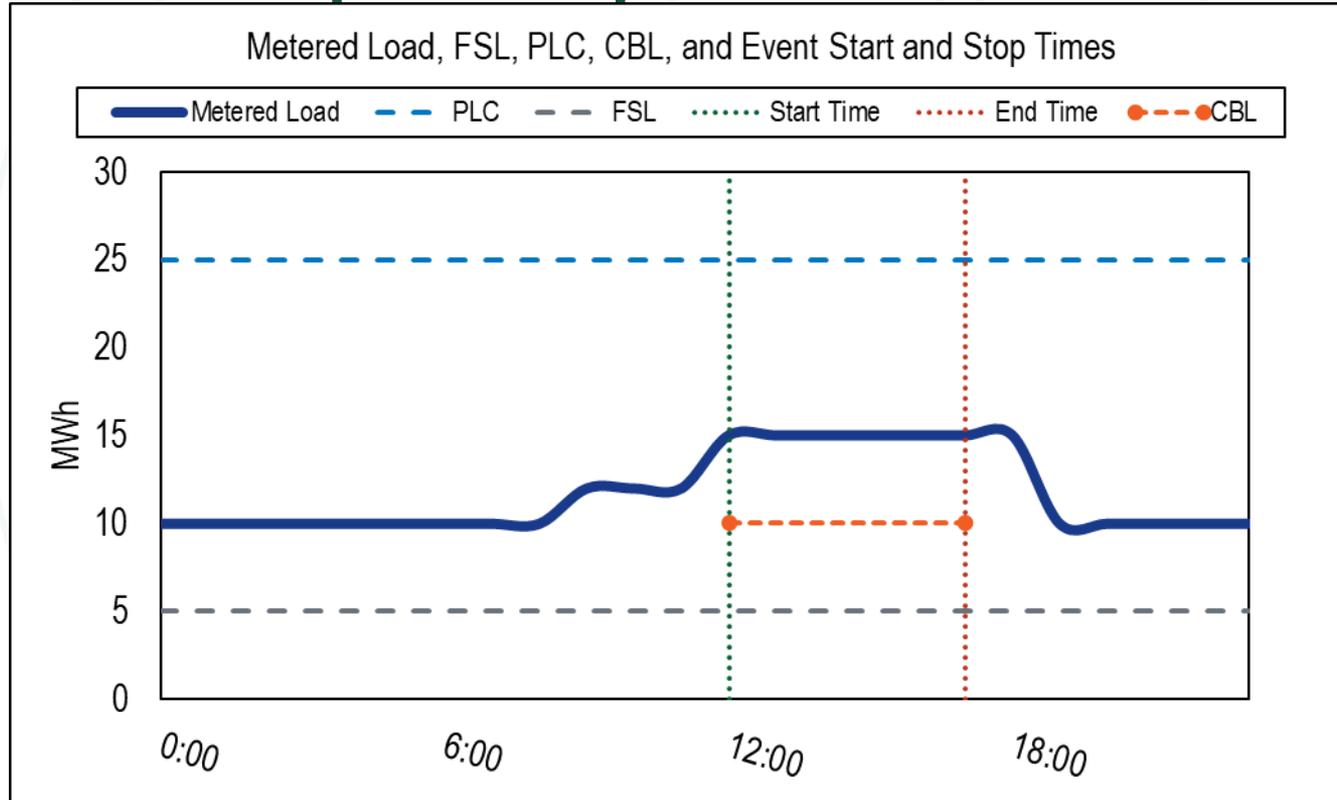MIC

March 11, 2026

IMM

Monitoring Analytics

Example 1: Increase in demand calculated as positive performance

Metered Load, FSL, PLC, CBL, and Event Start and Stop Times

Monitoring Analytics

Example 1: Increase in demand calculated as positive performance

PLC: 25 MW

FSL: 5 MW

ICAP: 20 MW

Metered Load during event: 15 MW

CBL: 10 MW
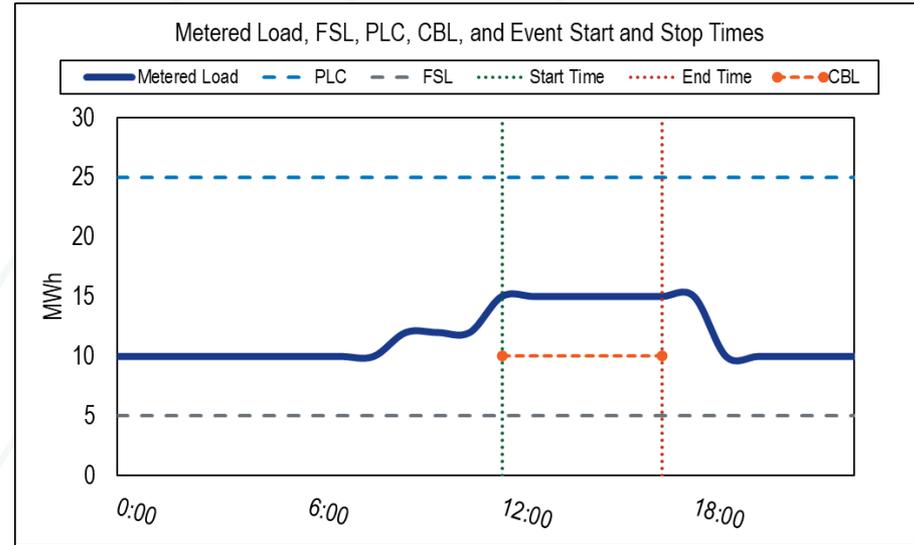
Loss Factor: 1.0

Event start: 12:00

Event end: 17:00

Metered Load, FSL, PLC, CBL, and Event Start and Stop Times

Monitoring Analytics
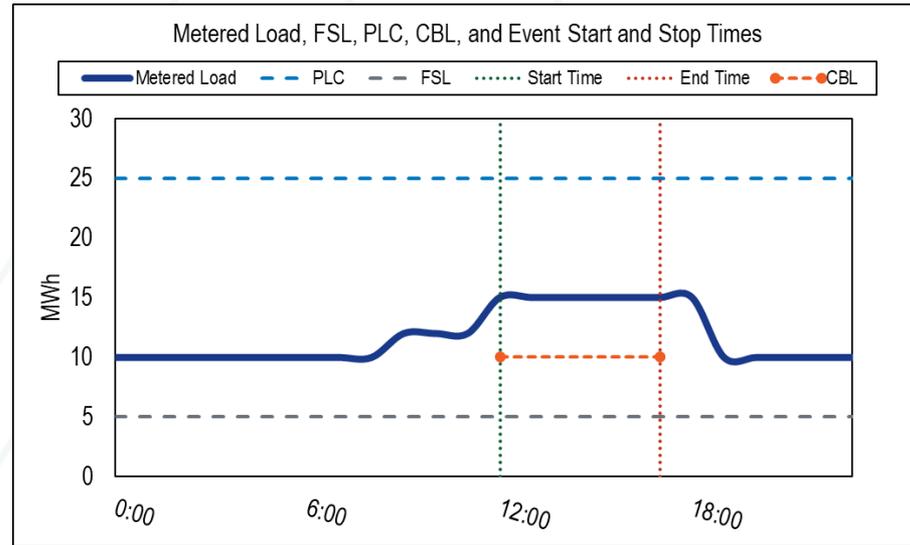
Example 1: PJM Performance Metric

Performance (%) =

[PLC – (Meter * LF)]/ICAP * 100

[25 – (15 * 1)]/20 = **50%**

Registration is credited with a

reduction even though their load

increased after being dispatched

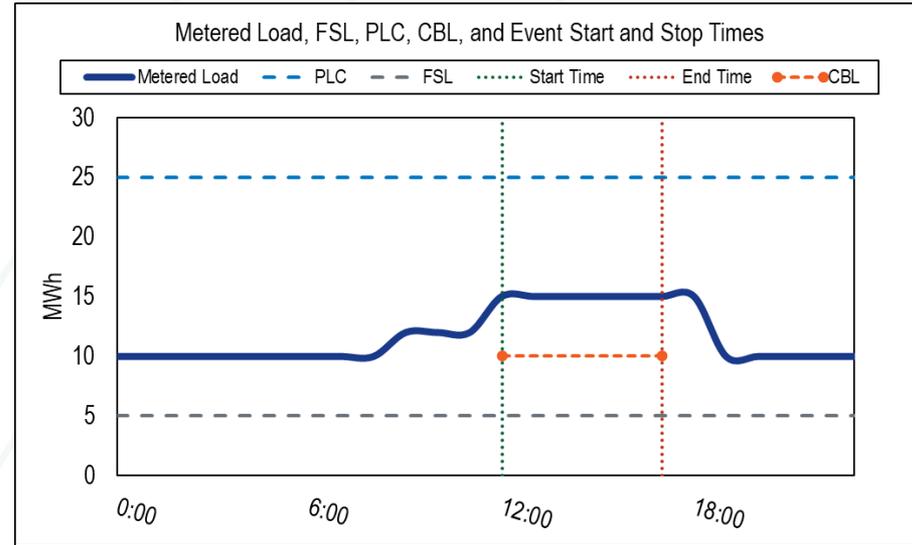Metered Load, FSL, PLC, CBL, and Event Start and Stop Times

Monitoring Analytics

Example 1: IMM Performance Metric

Performance (%) =

(CBL-Meter)/(CBL – FSL)* 100

(10 – 15)/(10 – 5) * 100 = **-100%**

Metered Load, FSL, PLC, CBL, and Event Start and Stop Times

Monitoring Analytics

Example 2: Netting masking negative performance

Monitoring Analytics
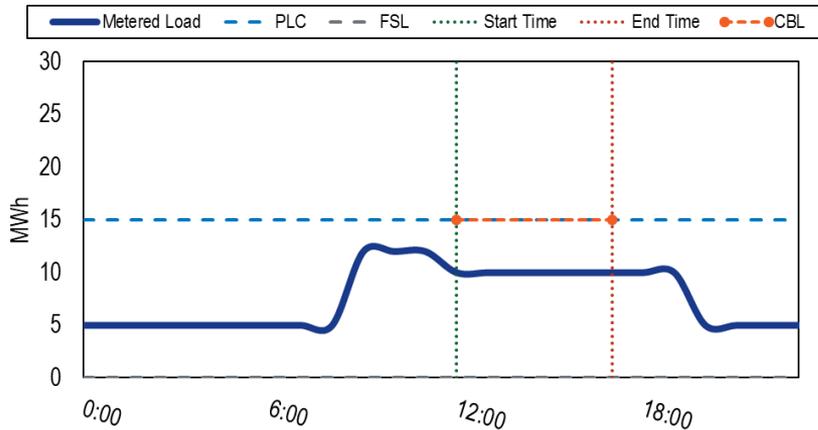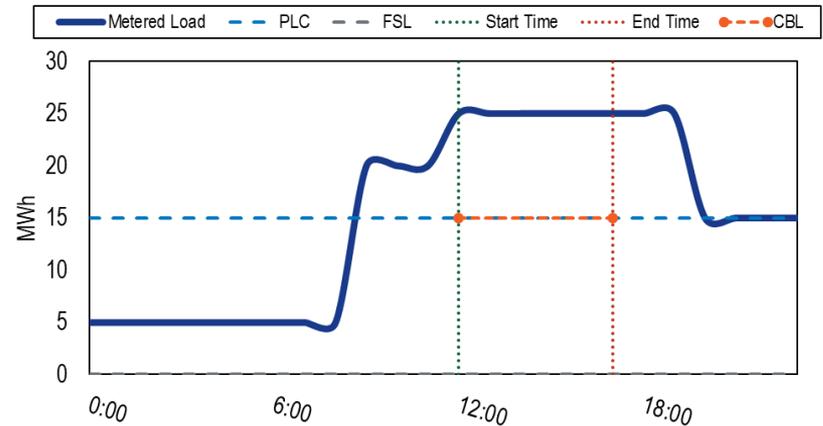
Example 2: Netting masking negative performance

PLC: 15 MW

FSL: 0 MW

ICAP: 15 MW

CBL: 15 MW

Loss Factor: 1.0

Event start: 12:00

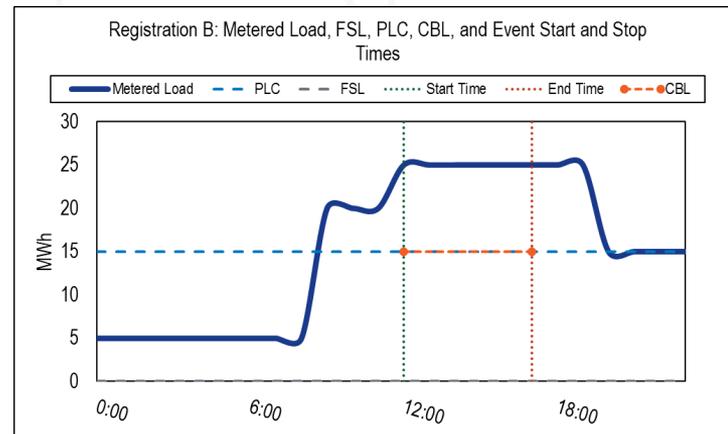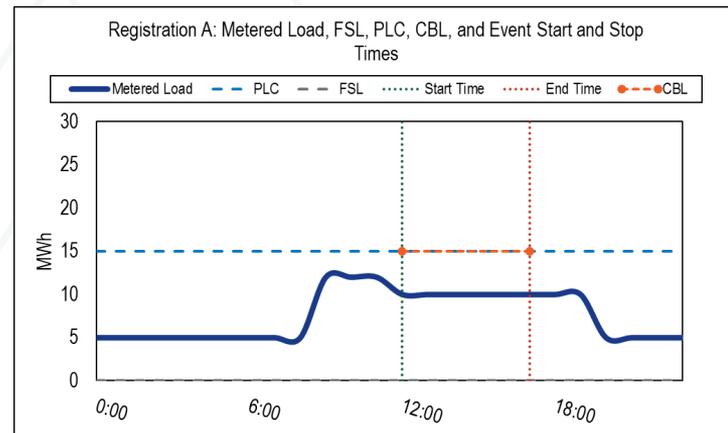Event end: 17:00

Metered load during event:

Registration A: 10 MW

Registration B: 25 MW

Registration A: Metered Load, FSL, PLC, CBL, and Event Start and Stop Times

Registration B: Metered Load, FSL, PLC, CBL, and Event Start and Stop Times

Example 2: PJM Performance Metric

Performance (%) =

[PLC – (Meter * LF)]/ICAP * 100

Registration A:

[15 – (10 * 1)]/15 = **30%**

Registration B:

0%

Portfolio Net Reduction:

5 MW

Registration A: Metered Load, FSL, PLC, CBL, and Event Start and Stop Times

Registration B: Metered Load, FSL, PLC, CBL, and Event Start and Stop Times
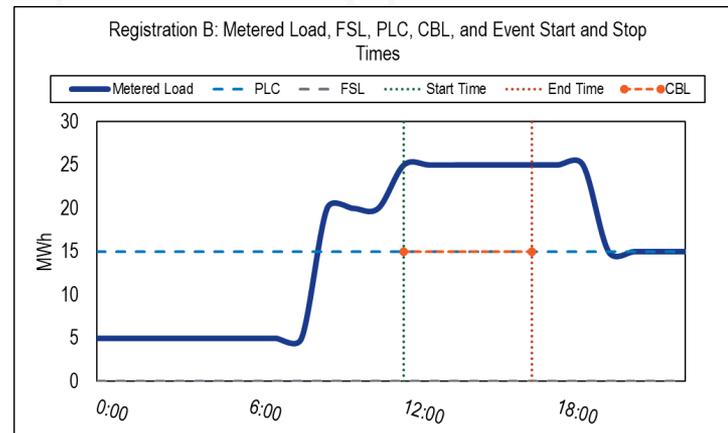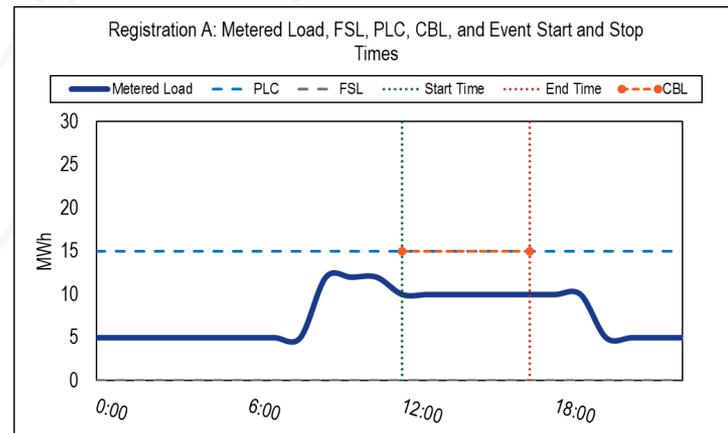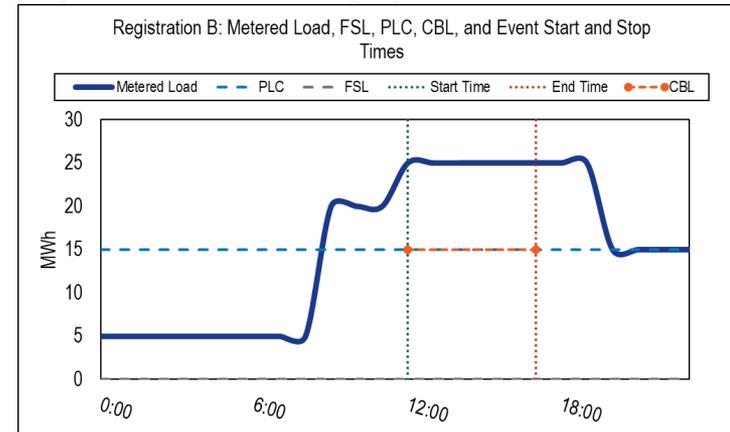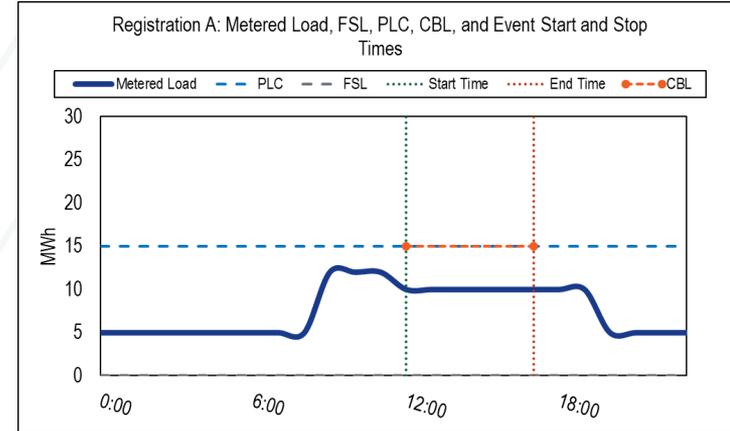
Example 2: PJM Performance Metric

CSP is credited with 5 MW reduction even though their registrations resulted in a net increase of 5 MW of system load.

Registration A eligible for a CBL-Meter = 5 MW energy settlement

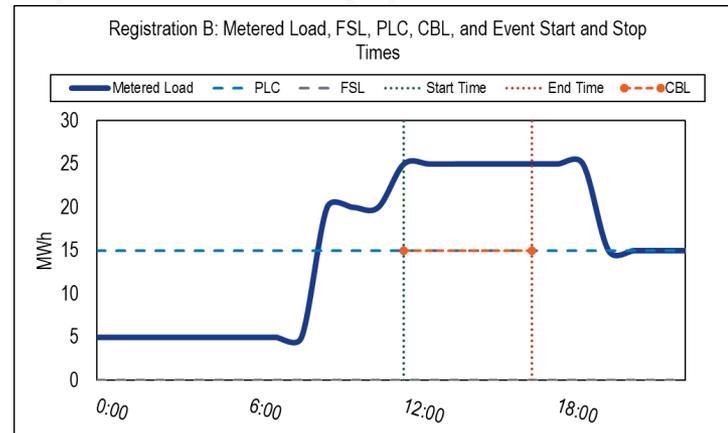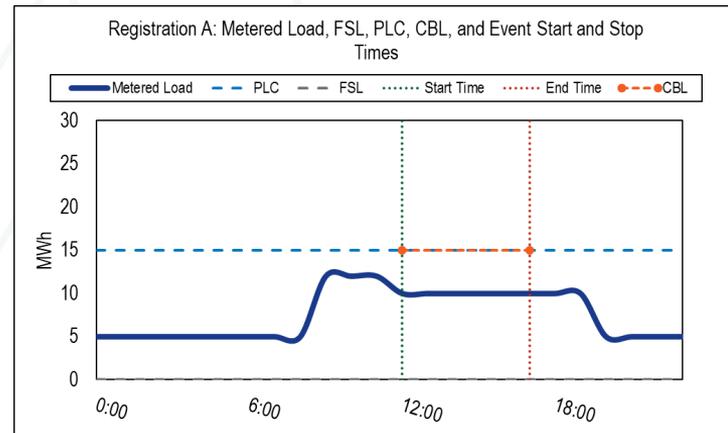**Registration B** does not receive a mandatory 25-15 = 10 MW energy charge

Registration A: Metered Load, FSL, PLC, CBL, and Event Start and Stop Times

Registration B: Metered Load, FSL, PLC, CBL, and Event Start and Stop Times

Example 2: IMM Performance Metric

Performance (%) =

(CBL-Meter)/(CBL – FSL)* 100

Registration A: (15 -10)/(15-0)*100 = **33%**

Registration B: (15-25)/(15-0)*100 = **-67%**

Monitoring Analytics, LLC

2621 Van Buren Avenue

Suite 160

Eagleville, PA

19403

(610) 271-8050

MA@monitoringanalytics.com

www.MonitoringAnalytics.com

Monitoring Analytics