



Item 6.3: Day Ahead Market - Recent Timeline Deviations

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Purpose

To describe recent Day-Ahead Market (DAM) performance issues and timeline deviations.

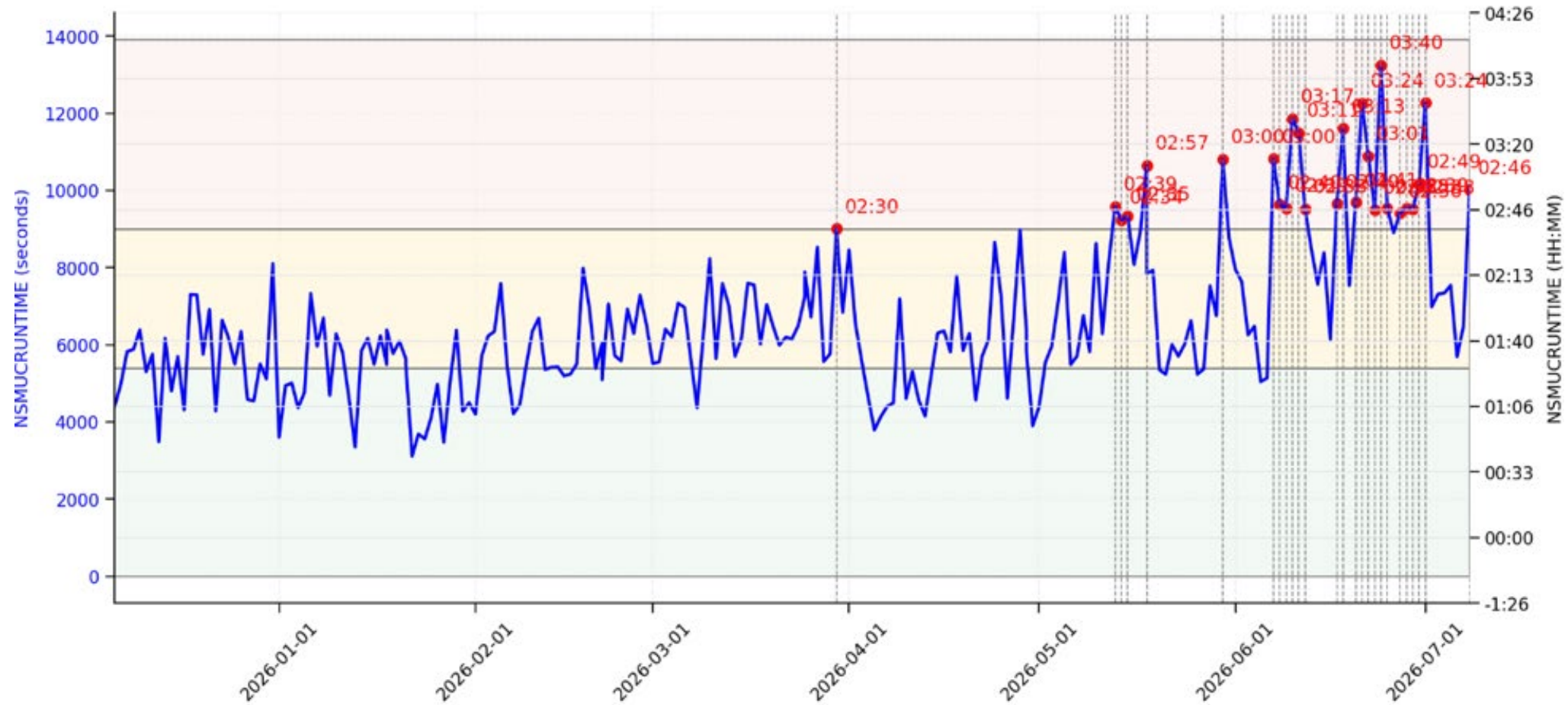
For information only

No action is requested; for discussion only.

Key Takeaways

- DAM experienced several challenges in June which contributed to late postings
- ERCOT has implemented some improvements and continues to pursue longer-term enhancements

DAM Solution Runtime Has Escalated Sharply Since May 2026



Issue 1: Significant Growth in PTP Obligation Bid Volumes

Actions taken: ERCOT has lowered the per-Counter-Party Point-To-Point Obligation bid limit since 2022 due to rising submission volumes that risk delaying the DAM solution. NPRR1343, Introduction of PTP Obligation Bid Fee in DAM, is now under stakeholder review as a market-based mechanism to manage this growth.

Date	ERCOT Action	Stated Reason
May 2022	10,000 Point-To-Point intervals	Increased submissions in prior 6 months causing increasingly long DAM runtimes
Aug 2023	1,000 bid IDs	Significant increase in Point-To-Point Obligation bid submissions risking timely DAM solution
Sep 2025	750 bid IDs	Continued significant increase in Point-To-Point Obligation bid submissions
Aug 2026	NPRR1343 filed (fee under review)	Proposes a Point-To-Point Obligation bid fee in DAM to address sustained volume growth

Key Takeaway: Stakeholders are currently reviewing this market-based solution which also aligns with a recommendation from the Independent Market Monitor.

Issue 2: Significant Growth of Energy-Only Submissions

Actions taken: ERCOT increased the array size by 67% in mid-June. ERCOT continues to work with vendor on technical solutions.

Date	Stage	Detail
6/6 – 6/8/2026	Incident	Energy-only submissions array in DAM exceeded its hard-coded 15,000-entry limit during all three DAM runs
6/6 – 6/8/2026	Workaround	ERCOT teams applied the same cancellation criteria previously used for PTP Obligation bids
6/16/2026	Permanent Fix	Array size increase (15,000 → 25,000 entries) deployed to Production
Ongoing	Follow-Up Action	ERCOT working with vendor to convert market-submission and model-equipment arrays to dynamic allocation

Key Takeaway: Both PTP Obligation and Energy-Only array limits have been raised. ERCOT working with vendor on dynamic-allocation effort which is intended to prevent this issue permanently rather than requiring repeated manual limit increases.

Issue 3: ERCOT API Market Submission Issue

Impacted timeframe: June 18, 2026, 4:00 AM – 3:53 PM

What Happened

- API market queries and submissions were impacted — multiple timeouts and failed EWS (External Web Service) requests
- Partial outage: requests continued to succeed, but the elevated error rate warranted critical-issue status
- DAM submission deadline extended to 1:45 PM to accommodate impacted participants
- DAM completed and published at 4:15 PM

Root Cause

- An EWS adapter slowness in processing report requests contributed to the timeouts and failed requests; resolved once the impacted instance was restarted
- A small number of Market Participants were querying the DAM reports every few seconds, placing excessive load on the submission and query systems. ERCOT worked directly with those Market Participants to stop the excessive querying. Although this activity was not the root cause of the issue, it prolonged the troubleshooting process

ERCOT Market Notices Issued

[M-B061826-01](#) – ERCOT has been experiencing ongoing issues which are impacting Market Submissions through API

[M-B061826-02](#) – Resolved: Outage which impacted Market Submissions through API

Issue 3 (cont.): Follow-Up Actions

Actions taken to strengthen resilience and prevent recurrence

ERCOT

- Ongoing enhancements of system monitoring at a more granular level to improve early detection of similar issues
- **Long Term Solution** - Reviewing potential enhancement of applying rate limits for market submissions/report retrieval to avoid such issues going forward

Market Participants

- Request to review submission and query processes to avoid unnecessary loading on ERCOT systems — for example, DAM reports are published once daily and do not need to be queried frequently

Potential Solutions Underway to Improve DAM Performance

DAM constraint management process fine tuning

- Enforce initial constraints for specific hours instead of the full day

Hardware upgrade

- Testing faster server hardware; early results show runtime improvements

Code and configuration improvements

- Profiling code and tuning solver configuration to remove bottlenecks
- Parallel processing of code where feasible

Optimization Solver evaluation

- Assessing optimization solver improvements, version upgrade and an alternative solver option