



Item 6.5: Technology and Projects Update

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Reliability and Markets Committee Meeting

ERCOT Public

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Overview





- **Purpose**
 - Provide update on recent releases and project delivery
- **Voting Items / Requests**
 - No action is requested of the R&M Committee or Board; for discussion only

- **Key Takeaways**
 - March application release included critical grid operations tool updates
 - 2023 OKR projects remain on budget and schedule

ERCOT Application Release & Tech Health Upgrades

- Application Release Highlights
 - Intra-Hour Capacity Availability Tool (ICAT) upgrades
 - “Netted Network”
- Continued collaboration with Market Participant IT/OT groups and their vendors for ERCOT Contingency Reserve Service (ECRS) delivery

2023 OKR Projects Spotlight

| Status | Project | Update |
|---|---|---|
|  | ERCOT Contingency Reserve Service (ECRS) Implementation | <ul style="list-style-type: none"> On Track – Release Cycle 3 (6/8/2023) Market Readiness and Qualification Workshop 4/3/23 Market testing window opens 4/20/23 First planned Operating Day 6/10/23 Market discussion of technical impacts at TWG |
|  | Energy Management System (EMS) Upgrade | <ul style="list-style-type: none"> On track – release in November 2023 Monitoring testing progress Internal testing through 9/29/2023 Closed loop testing begins 9/30/2023 Currently limiting EMS changes that impact in-flight projects Post-ECRS EMS changes limited to critical/emergency items Market discussion of technical impacts at TWG |
|  | DC5 Infrastructure Refresh Program | <ul style="list-style-type: none"> On track – key milestones defined for 2023 Tracking to progress targets set for server migrations, backup migrations, database migrations, and network firewall refresh Mitigating supply chain delays through accelerated purchase Delivered hardware required for EMS Upgrade Migration schedules coordinated with other portfolio activity |
|  | Treasury Management System Implementation | <ul style="list-style-type: none"> On Track – key milestones defined for 2023 Scope – automate process to match financial transactions to invoices Vendor selected and engaged 2-stage roll-out strategy: non-integrated solution and fully integrated solution Planning phase completion scheduled for early August |

Key Takeaway: All 2023 OKR projects remain on budget and on schedule