



Item 5.1: Projects and Technology Update

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Technology and Security Committee

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Purpose

Periodic project updates.

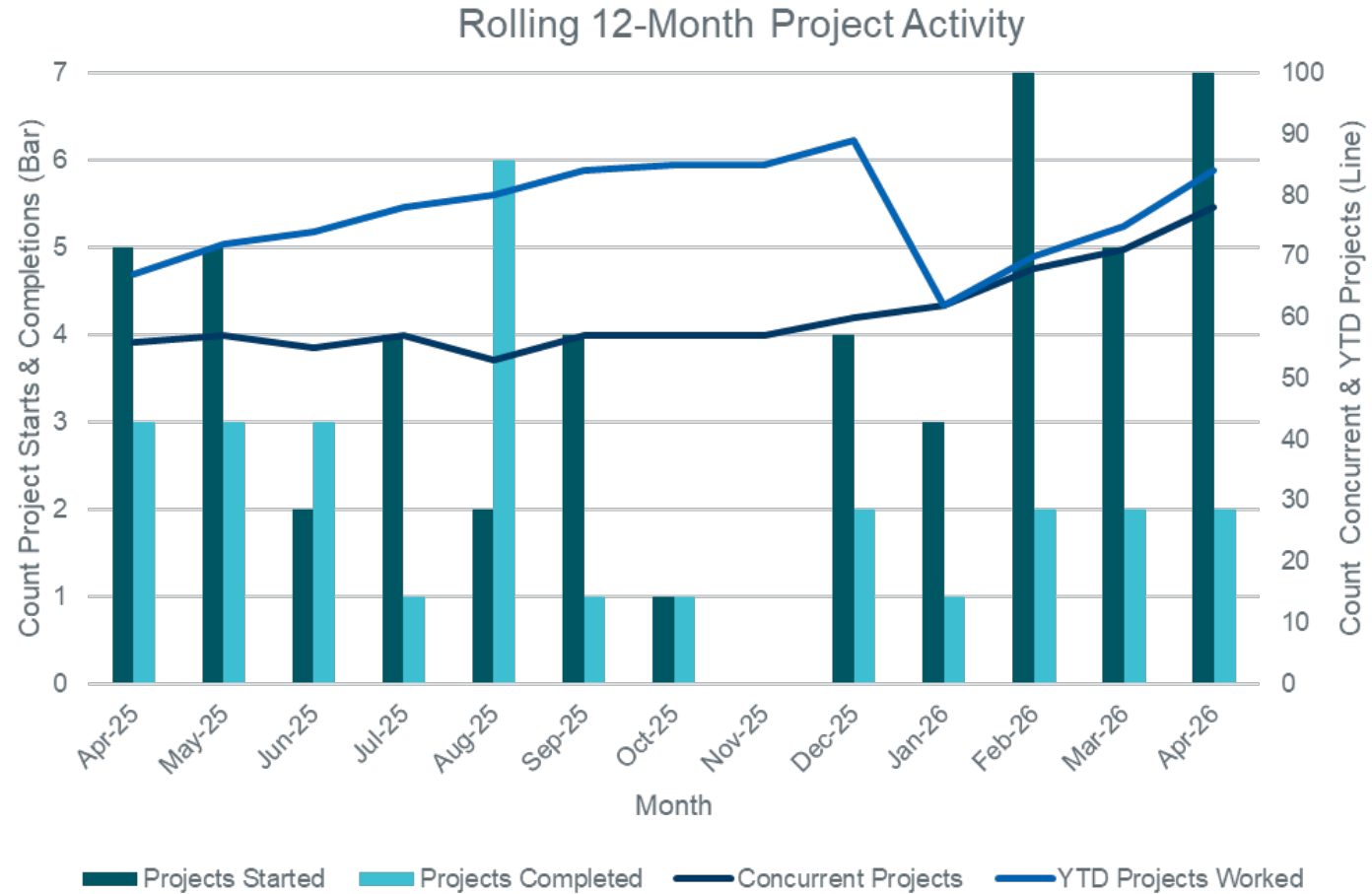
For information only

No action is requested; for discussion only.

Key Takeaways

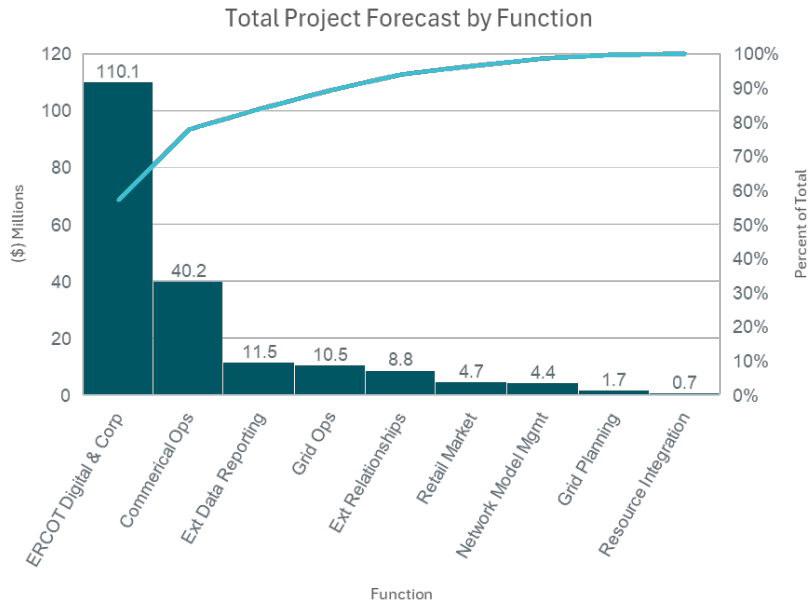
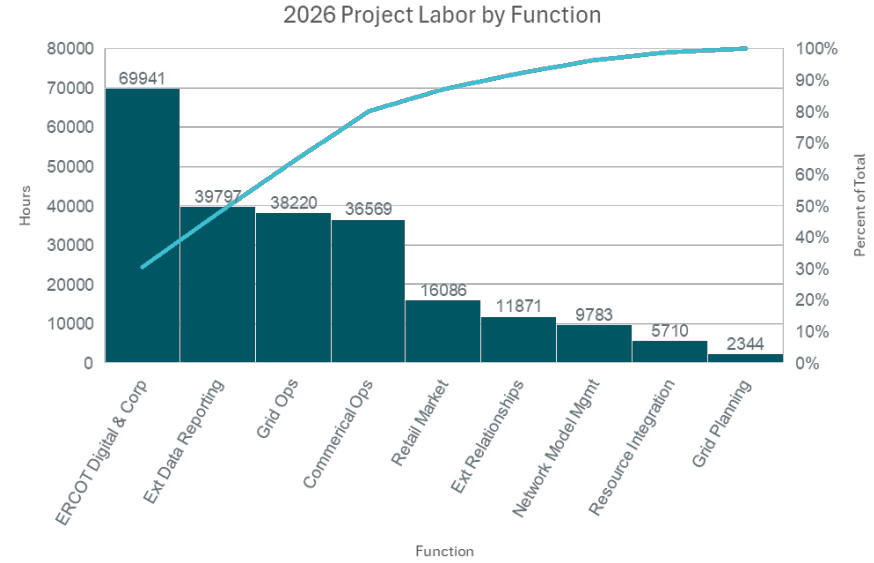
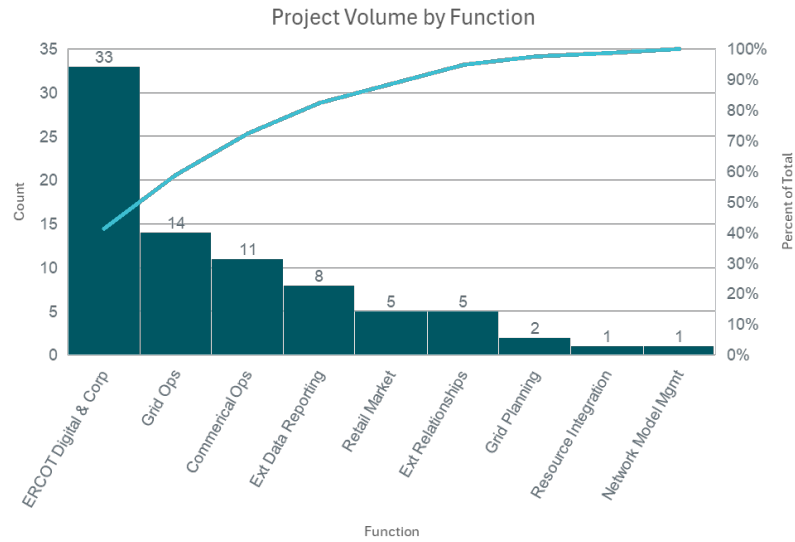
- Continued project growth to support demand.
- The project portfolio has balanced delivery of change for internal and external stakeholders.
- Managing the backlog of Revision Requests.

Project Delivery



Key Takeaway: Steady increase in project activity and in alignment with requested project start windows.

Active Projects Breakout

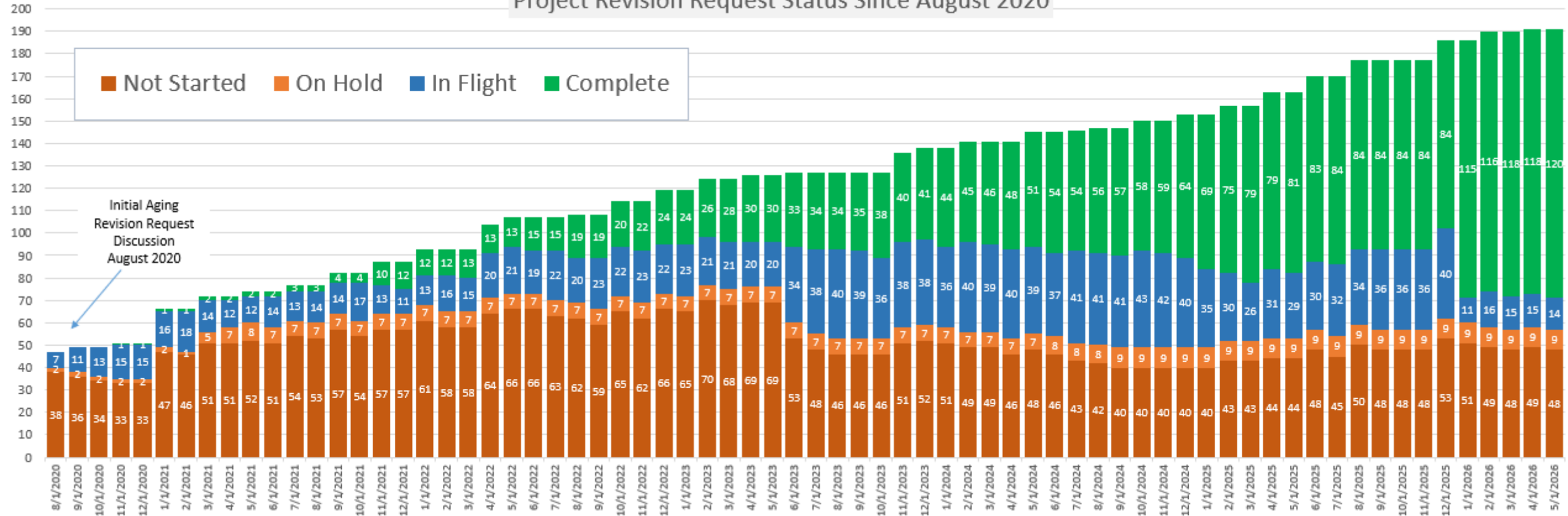


Key Takeaways:

- Projects are relatively balanced between internal and external functions.
- Project volume skews towards external (59%).
- 2026 project labor skews towards external (70%).
- Total project forecast skews towards internal (57%), which includes efforts like the Data Center 6 Refresh and the Identity & Access Management Modernization Programs.
- 2026 projects starts skew towards external (56%).

Aging Revision Request Project History

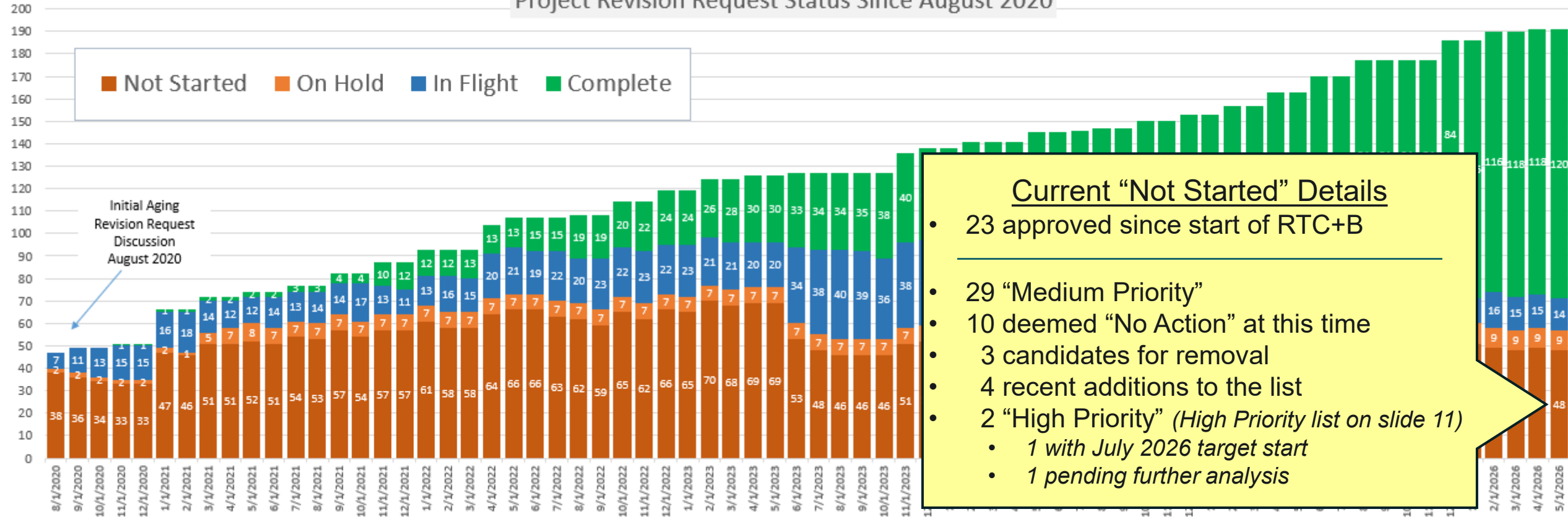
Project Revision Request Status Since August 2020



Key Takeaway: Market engagement prioritizes the aging backlog; backlog relatively steady levels since 2021.

Aging Revision Request Project History

Project Revision Request Status Since August 2020



Current "Not Started" Details

- 23 approved since start of RTC+B
- 29 "Medium Priority"
- 10 deemed "No Action" at this time
- 3 candidates for removal
- 4 recent additions to the list
- 2 "High Priority" (*High Priority list on slide 11*)
 - 1 with July 2026 target start
 - 1 pending further analysis

Key Takeaway: 2026 prioritization review to take place at Protocol Revision Subcommittee (PRS) in June.

Appendix

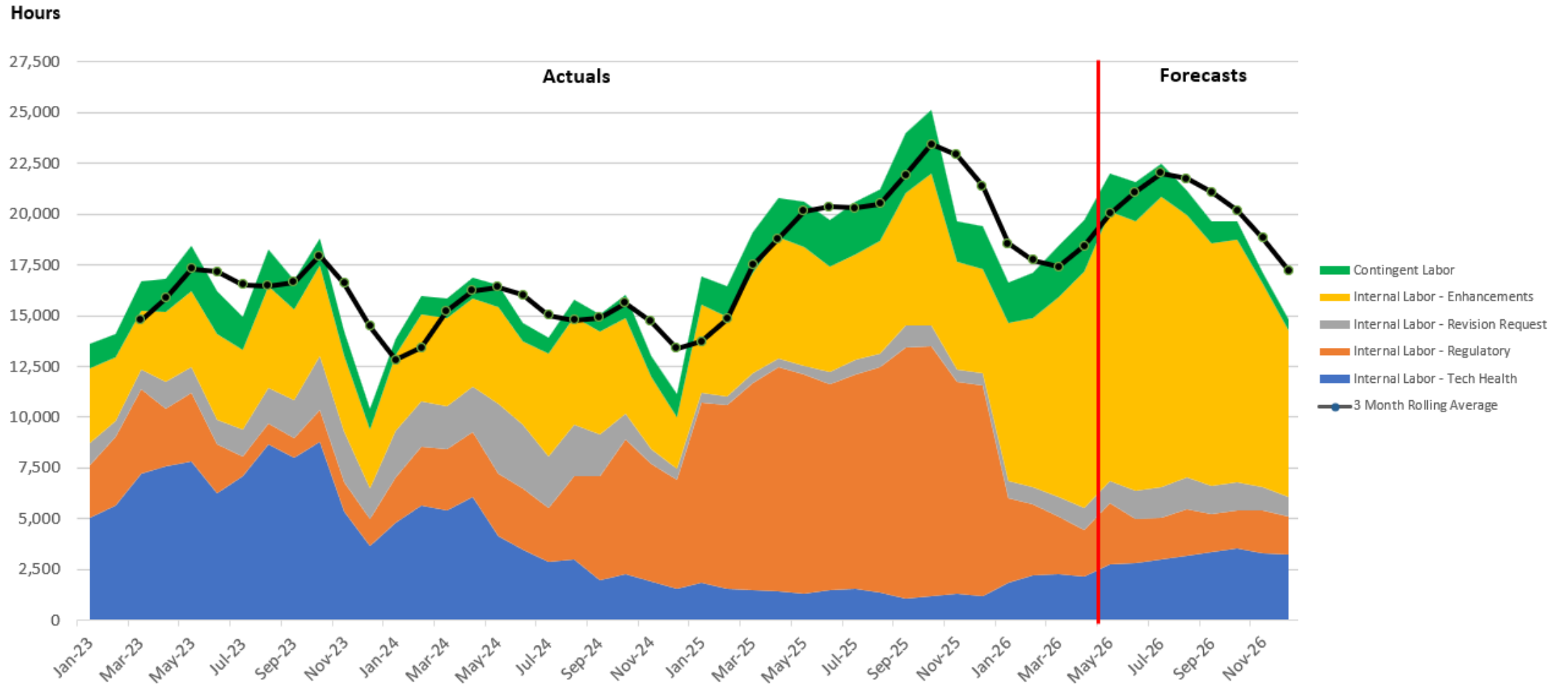
- Appendix A: **Project Labor Hours: 1/2023 – 9/2026**
- Appendix B: **Project Labor Actual Hours – 1/2023-2/2026**
- Appendix C: **2026 Significant Projects**
- Appendix D: **Aging Revision Request Project Status**

ERCOT Application Releases, May - August

- RTC: stabilization, 180-day reports & Public API releases
- SCR820 Operator Real-Time Messaging During Emergency
- CMM Tech Health Upgrade
- Large Load Curtailment Manager & NPRR 1238 – Voluntary Registration of Loads with Curtailable Load Capabilities (targeting a partial release in June)
- Grid Geo Charting, Weather, and other Improvements
- DPC Process Improvement
- Grid Geo Charting, Weather, and other Improvements

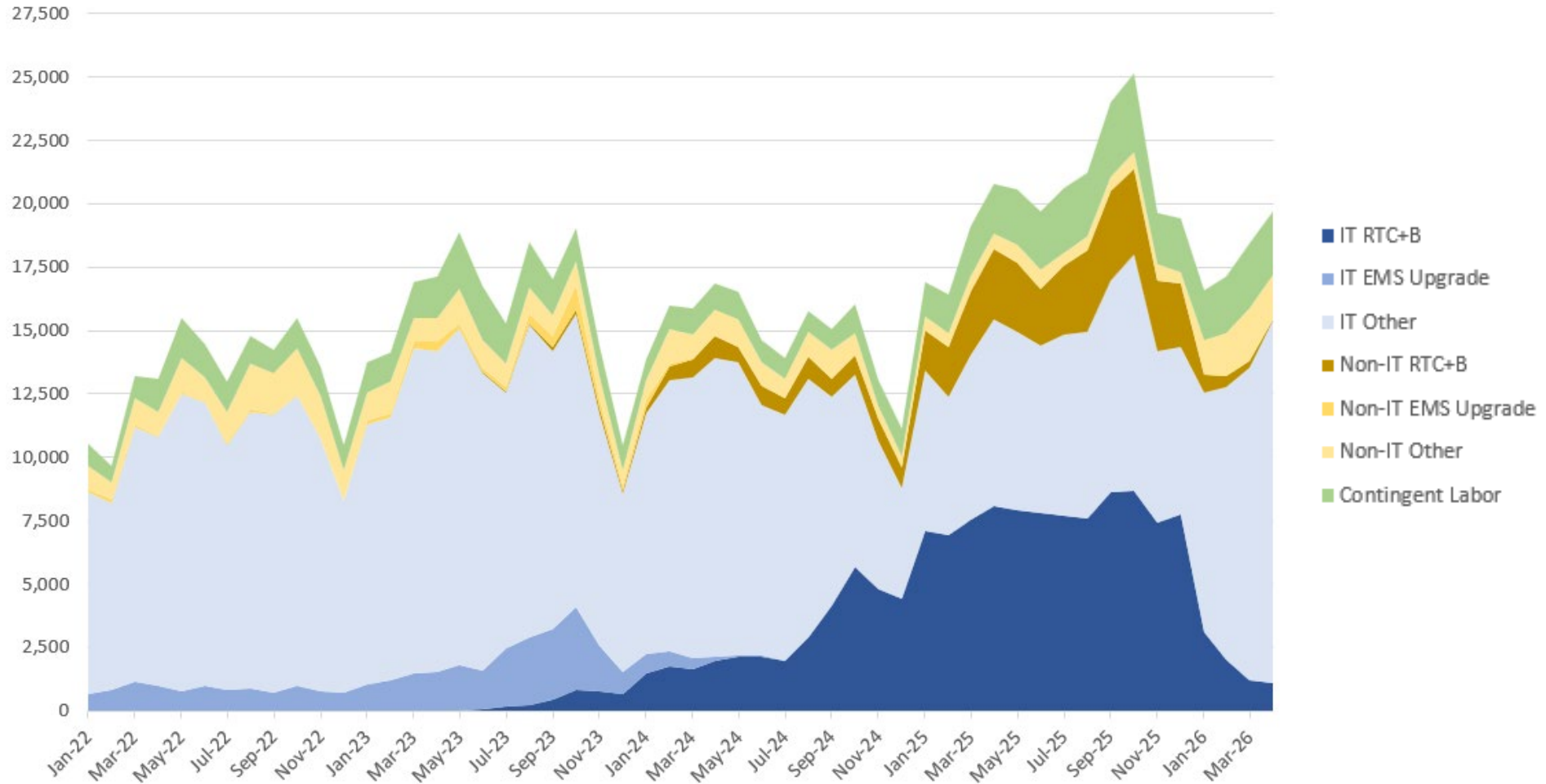
Key Takeaway: Making periodic updates and enhancements to systems.

Project Labor Hours: 1/2023 – 9/2026



Key Takeaway: 2026 forecasts reflect increased project volume and will normalize as start timing is refined.

Project Labor Actual Hours – 1/2023-2/2026



Key Takeaway: Jan/Feb project labor remains high and is driven by new project activity (not RTC+B).

2026 Significant Projects

Program	
Identity & Access Management (IAM) Program	<ul style="list-style-type: none">• A multi-year program to modernize ERCOT's internal and external identity and access management• Includes replacement of existing methods for Market Participant identity management• Overview in Executive Session (April)
Data Center (DC) 6 Program	<ul style="list-style-type: none">• A multi-year program to address technical health of ERCOT's Data Center infrastructure• Overview in Executive Session (June)
ERCOT Website Redesign	<ul style="list-style-type: none">• A project to modernize and improve ERCOT's website• Overview in General Session (June)

Key Takeaway: ERCOT will provide periodic reporting to the Technology & Security Committee.

Aging Revision Request Project Status

- 10 Revision Request projects were deemed “High Priority” at August 2025 Prioritization Workshop

Status	High Priority Revision Request Projects	Additional Information
Complete	NPRR1234 – Interconnection Requirements for Large Loads and Modeling Standards for Loads >=25MW	System changes implemented in 3 phases Remaining gray box: Large Load Interconnection Study (LLIS) fee
	NPRR1277 – Revisions to EAL Formula	Went live on 3/2/2026
In-Flight	NPRR1188 – Implement Nodal Dispatch and Energy Settlement for CLR's	January 2027 go-live target (w/NPR1244)
	NPRR1198 – Congestion Mitigation Using Topology Reconfigurations	September 2026 go-live target
	NPRR1238 – Registration of Loads with Curtailable Load Capabilities	Q4 2026 go-live target
	NPRR1244 – Clarification of CLR Primary Frequency Response Responsibilities	January 2027 go-live target (w/NPR1188)
	NPRR1281 – Improvements to Alternate FFSS Resource Designation	Q4 2026 go-live target
Pending Start	NPRR1004 – Load Distribution Factor Process Update	July 2026 start candidate
	NPRR1091 – Changes to Address Market Impacts of Additional Non-Spin Procurement	Expected to be part of Reliability Deployment Price Adder (RDPA) analysis
Workaround in Place	NPRR1216 – Implementation of Emergency Pricing Program	No action at this time

Key Takeaway: 10 High Priority RR projects: 2 complete, 4 in-flight, 3 pending start, 1 workaround

Aging Revision Request Project Status

- Updates on other Revision Request projects

Status	Revision Request	Additional Information
In-Flight	NPRR936 – CRR Account Holder Limits	Q4 2026 go-live target (w/NPR1288)
	NPRR1265 – Unregistered Distributed Generator	June 2026 go-live target
	NPRR1288 – Remove Multiple Month Transactions in CRR Auctions	Q4 2026 go-live target (w/NPR936)
	NPRR1290 – Gap Resolutions and Clarifications for the Implementation of RTC+B	Go-live target TBD (w/NPRR1323)
	NPRR1303 – Modernize Submission of Declarations of Natural Gas Pipeline Coordination	September 2026 go-live target
	SCR813 – NMMS Jointly-Rated Equipment Coordination Confirmation	Q1 2027 go-live target
	SCR820 – Operator Real-Time Messaging During Emergency (RTOC)	June 2026 go-live target
Not Started (starting soon)	NPRR1201 – Limitations on Resettlement Timeline & Default Uplift Exposure Adjustments	Q4 2026 go-live target
	NPRR1323 – Correction to Inadvertent Removal of Real-Time MCPC Capping for NPRR1290 Phase 2	Go-live target TBD (w/NPRR1290)
	SCR829 – API for the NDCRC Application	Go-live target TBD
Start Date Delay	SCR818 Ph2 – Changes to Incorporate GIC Modeling Data into Existing Modeling Apps	Resource constraints
	SCR831 – Short Circuit Model Integration	Resource constraints

Key Takeaway: 2026 Aging Revision Request project prioritization at PRS in June.