Item 5.1: Projects and Technology Update

Jayapal Parakkuth
Senior Vice President and Chief Digital Officer

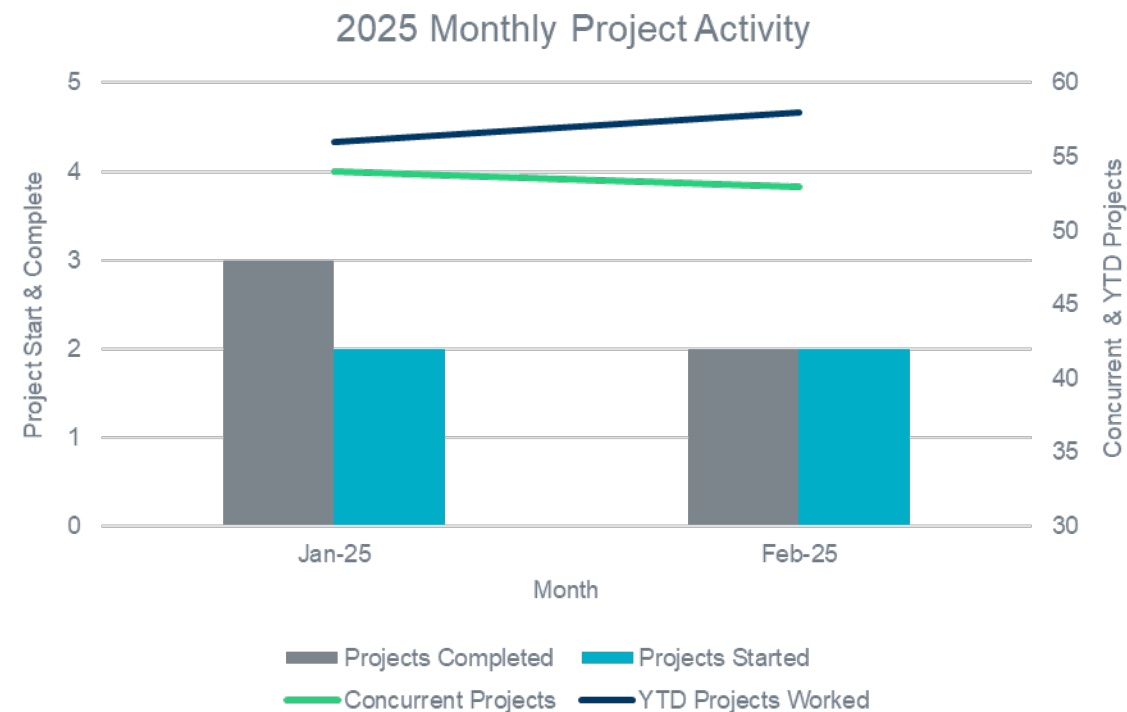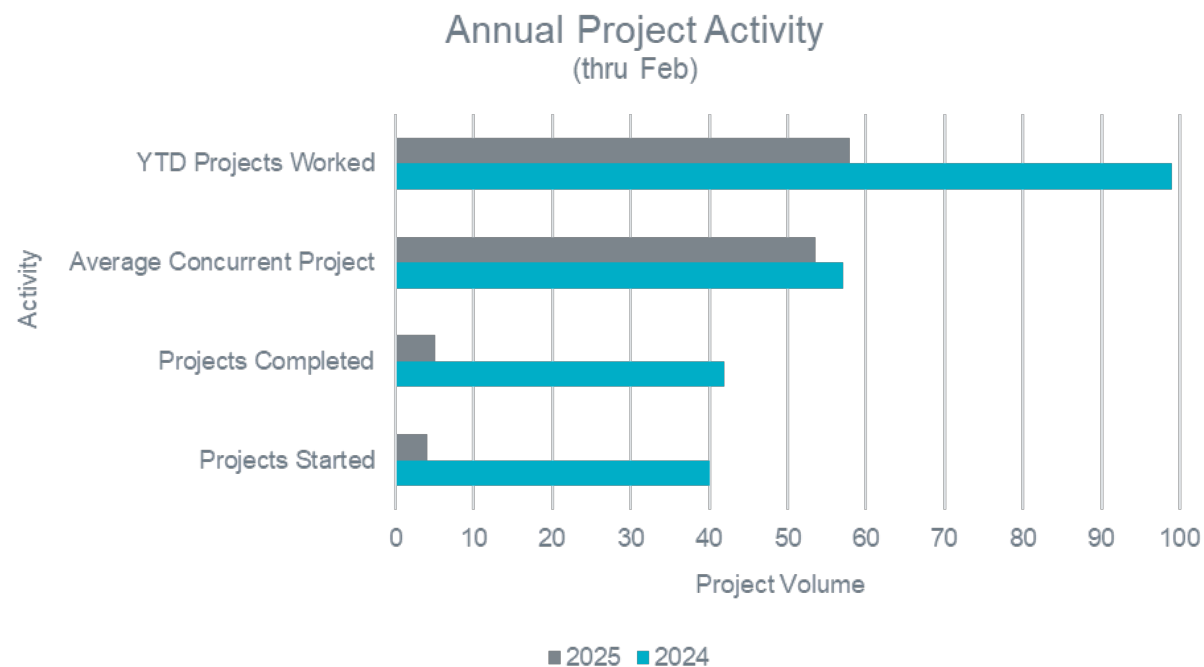Technology and Security Committee Meeting

ERCOT Public
April 7, 2025

Overview

- **Purpose**
  Update on Technology and Projects

- **Voting Items / Requests**
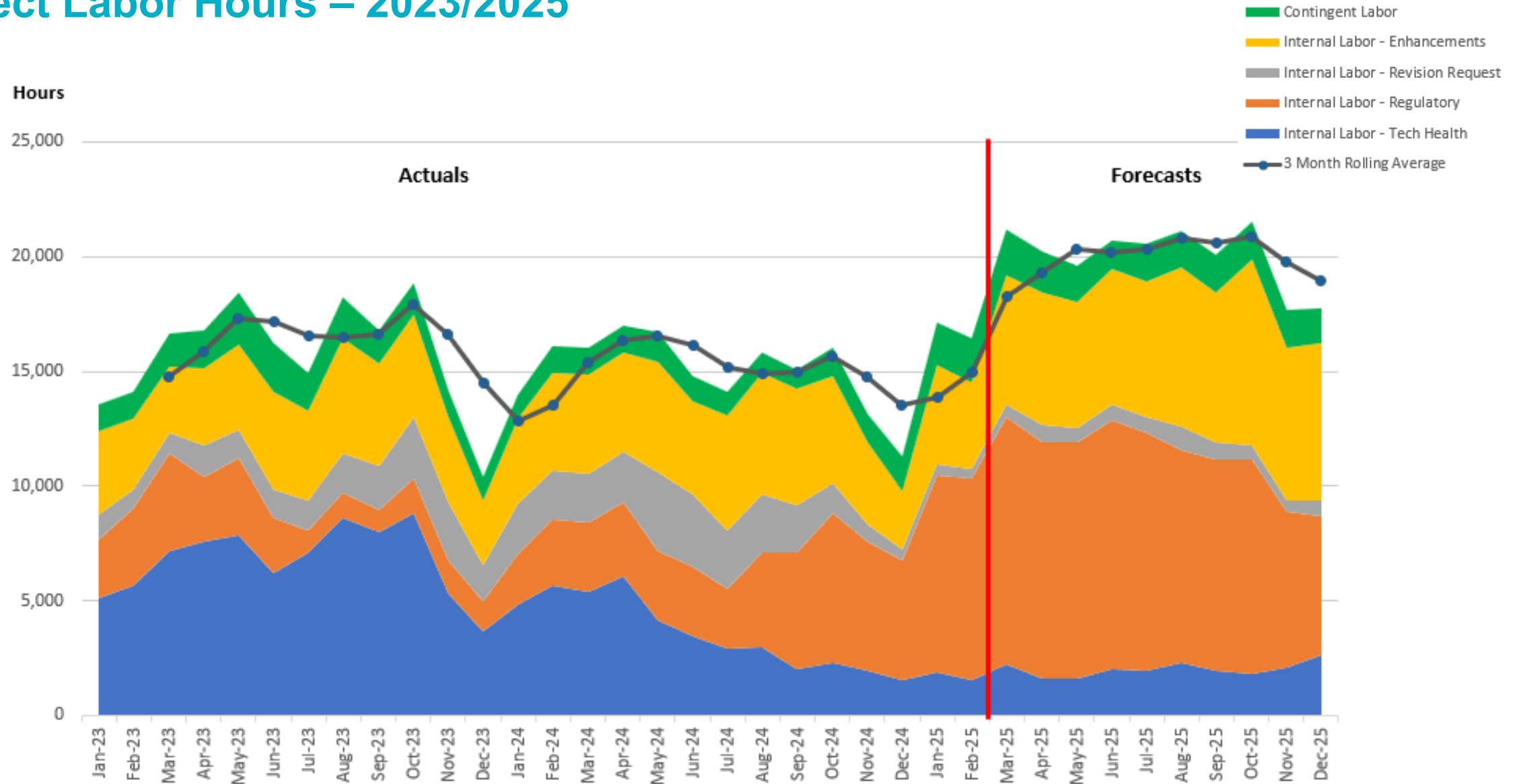 No action is requested of the ERCOT Board; for discussion only

- **Key Takeaway(s)**
  - Our projects are generally on track with normal Project Ups & downs.
  - Planned Monthly Site Failovers starting 2025
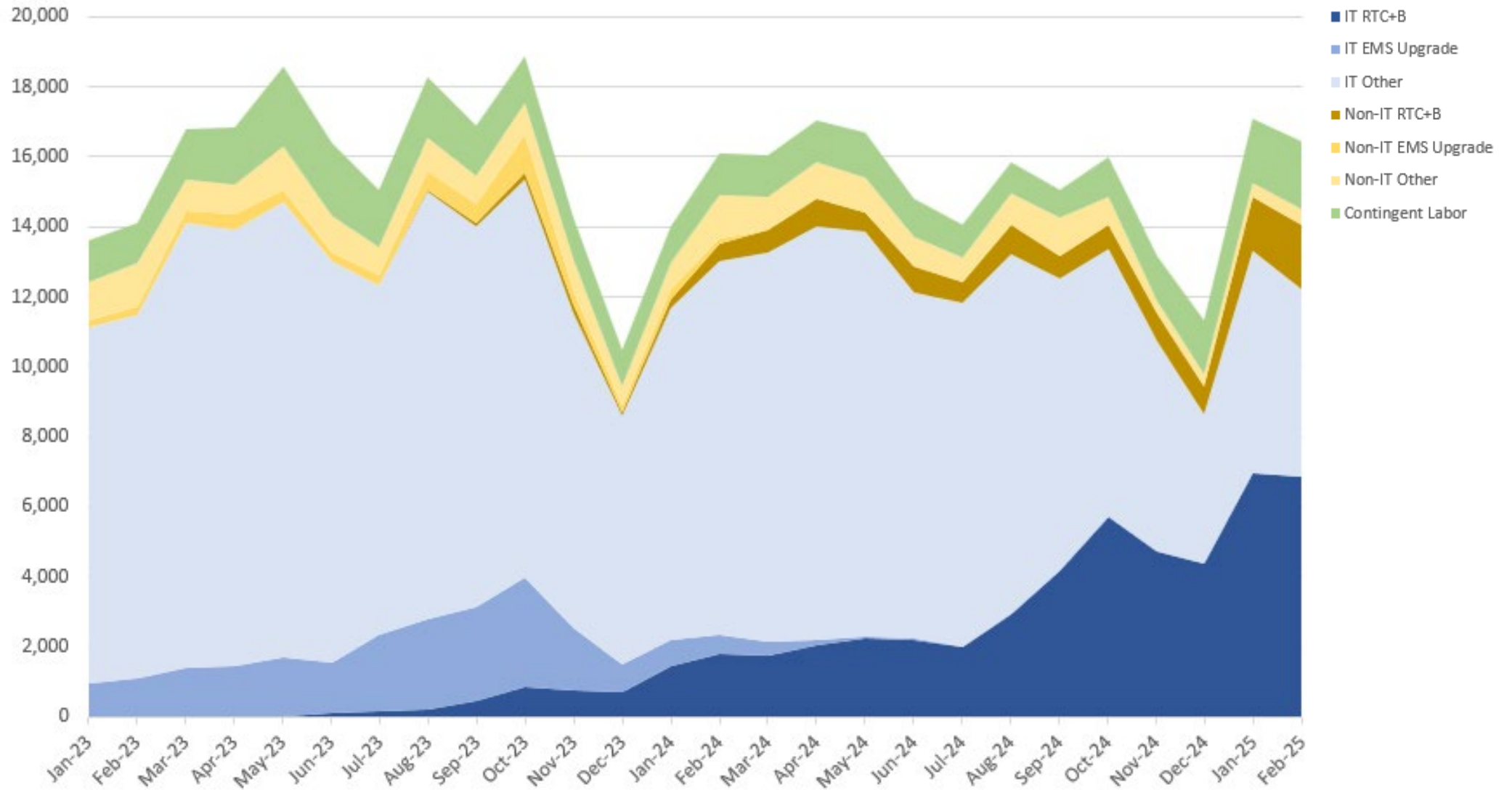
2025 Project Activity

Annual Project Activity (thru Feb) — bar chart comparing 2025 and 2024 across YTD Projects Worked, Average Concurrent Project, Projects Completed, and Projects Started.

2025 Monthly Project Activity — chart showing Projects Completed, Projects Started, Concurrent Projects, and YTD Projects Worked for Jan-25 and Feb-25.

Key Takeaway: 2025 activity is steady, but trending slightly lower than 2024 due to RTC+B.

Project Labor Hours – 2023/2025

Key Takeaway: Forecasts are increasing early in the year.

Project Labor Actuals – 1/2023-2/2025 - IT versus non-IT (Action Item)

Key Takeaway: IT hours make up the majority of the project actuals.

ERCOT Application Release this Cycle

Application Release R3-R5 (March - May)

- PR452-01 Tech Health - MPIM

- PR498-01 NPRR1145 Use of EMS Calculated ERCOT-Wide TLFs

- PR466-01 Future Case Builder

- PR494-01 Grid Planning in the Cloud – Phase 1 – on-premise compute

Key Takeaway: Continuing to maintain tech health and enhance our systems.