

February 4, 2025

Supply Analysis Working Group (SAWG) February 2025 Update to WMS

Kevin Hanson (Invenergy) Chair
Greg Lackey (CPS Energy) Co-Vice Chair
Pete Warnken (ERCOT) Co-Vice Chair

Overview

SAWG discussed three issues at the meeting:

- 1) Results overview of the 2026 reliability assessment trial simulation (presentation can be found [here](#))
 - a) Reliability Standards Trial Assessment Results
 - b) Expected Unserved Energy (EUE) Heat Maps
 - c) Weather Weighting
 - d) Zonal Reliability Modeling
- 2) 2026 Reliability Assessment preparation activities (presentation can be found [here](#))
 - a) Schedule
 - b) Modeling assumptions filing with the PUCT. (It can be found [here](#))
 - c) CONE update proposal filed at PUCT. (It can be found [here](#))
- 3) CDR Activity Update (presentation can be found [here](#))
 - a) New CDR NPRR was discussed. (NPRR 1320 has been filed.)
 - b) Effective Load Carrying Capability (ELCC) – ERCOT and PowerGem will be exploring a streamlined ELCC estimation approach whereby ERCOT will run SERVVM simulations for the five CDR forecasted resource portfolios to directly calculate portfolio-specific ELCCs. The CDR will continue to report the different ELCCs for the reserve risk periods.

- Leadership will stay the same for another year

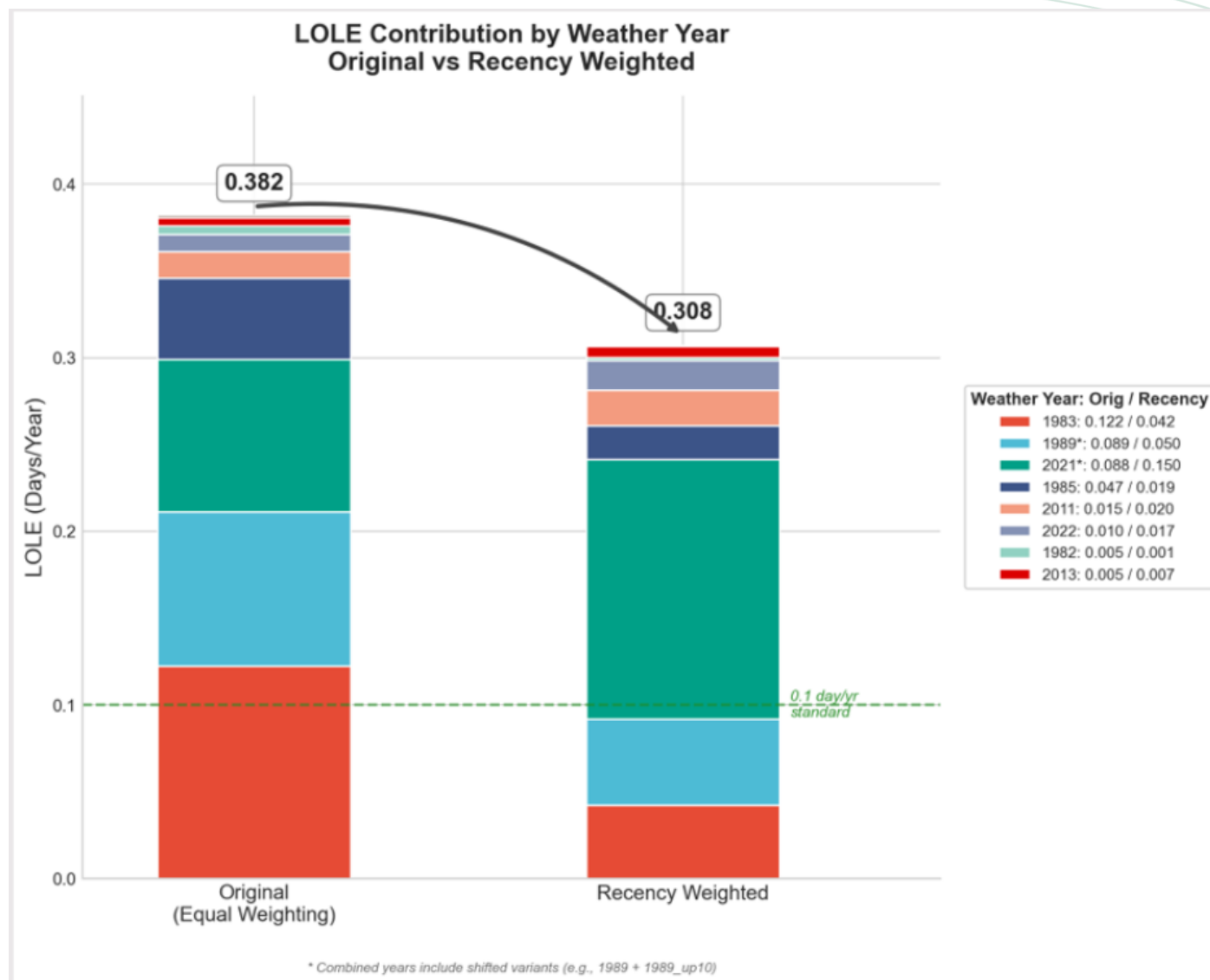
Reliability Standard 2026 Trial Assessment Results

PowerGem has estimated 15 GW of perfect capacity in 2026 to bring the *Final Study* in compliance with the three reliability criteria.

Cumulative Assumption Changes	LOLE (events / year)	1% Exceedance Duration	1% Exceedance Depth
Reliability Standard (Benchmark)	0.1	12 hours	14 GW
2026 Base Case	0.146	12 hours	15 GW
Event Duration Update + January Reliability Risk Shift	0.156	12 hours	15 GW
Reduced Weatherization Benefit	0.382	16 hours	29 GW
FINAL - Weather Years Reweighted	0.308	16 hours	30 GW
FINAL Compliant Portfolio (+15 GW)	0.1	11 hours	11.5 GW

Weather Weighting

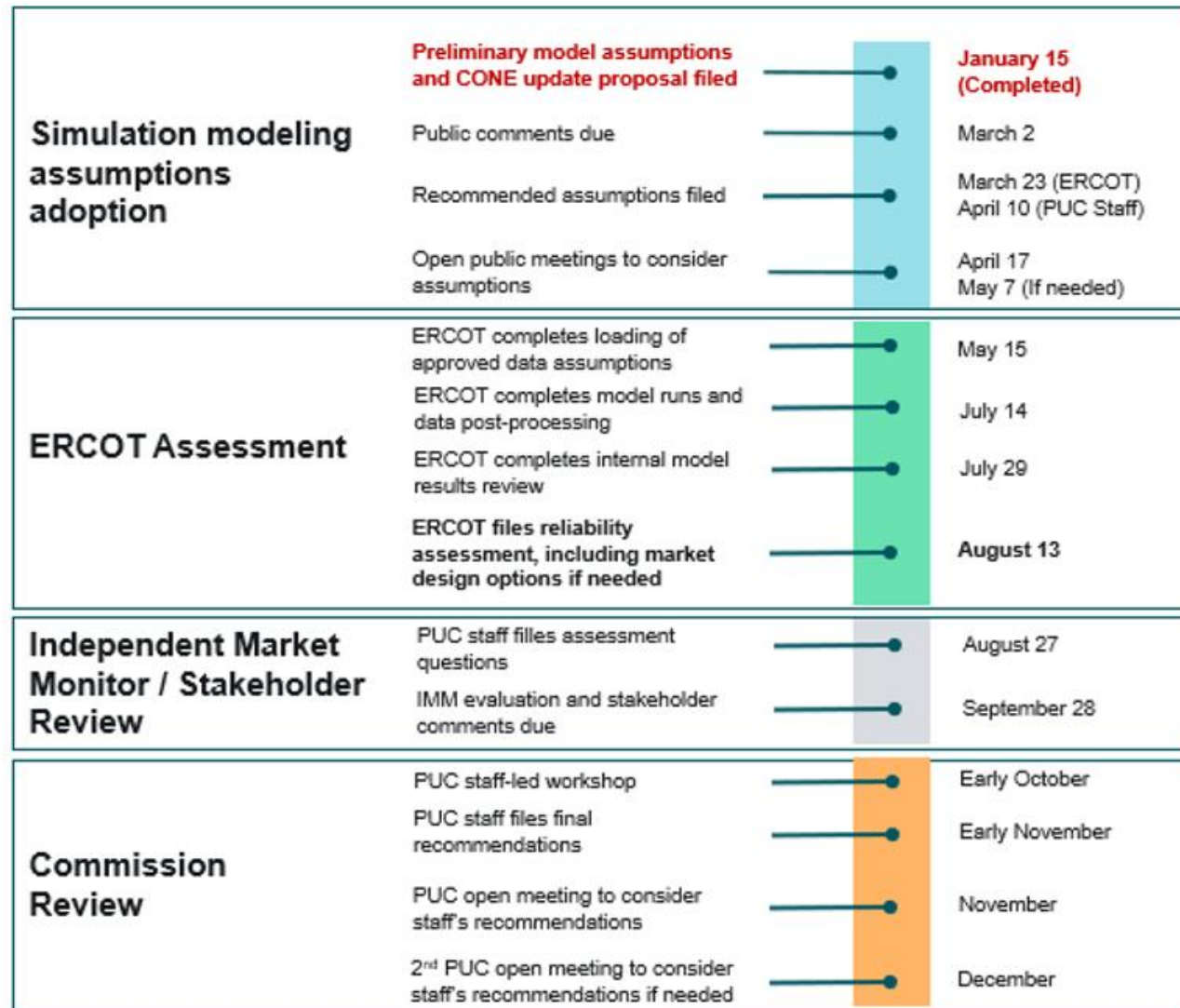
- Applying recency weighting to weather years reduces overall system-wide LOLE by down-weighting major winter events from the 1980s (specifically 1983 and 1989)
- The reduction is partially offset by increased weighting on higher-LOLE years such as 2011, 2013, 2021, and 2023



Reliability Assessment Roadmap

Key PUC pending policy decisions impacting the roadmap and assessment outcome:

- 1) Consideration of using a new load forecast based on the upcoming large load forecasting compliance plan in lieu of the current “ERCOT-Adjusted Load Forecast”
- 2) Adoption of a new planning CONE (or CONEs) for assessing the system cost of market design options (e.g. NPRR 1310 DRRS plus) if needed for reliability standard compliance



Questions?