Public

ERCOT's Update –

1. Overview of Voltage Ride-Through Test Results
2. Path to update models to demonstrate the ride through capability

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LLWG, November 2026

Dynamic Models for the Batch Zero – Submission (Planning Guide Section 9.2.2(3))

July 10, 2026

ILLE Model Submission Deadline

ILLE Must Submit to ERCOT and the Interconnecting TSP by July 10:

- Dynamic models
- Model parameters
- Supporting technical documentation
- Completed ERCOT Dynamic Working Group Large Load Data Survey

(1). LargeLoadInterconnection@ercot.com
(2). https://www.ercot.com/files/docs/2025/12/19/ERCOT-Dynamics-Working-Group-Large-Load-Data-Survey_v2.docx

July 10, 2026
LL projects not submitting models and required information by this deadline will be excluded from Batch Zero.

August 7, 2026
ERCOT will notify ILLE of any identified deficiencies in submitted models or required information.

August 31, 2026
Any LL projects with incomplete data or unresolved model issues remaining after this date will also be excluded from Batch Zero.

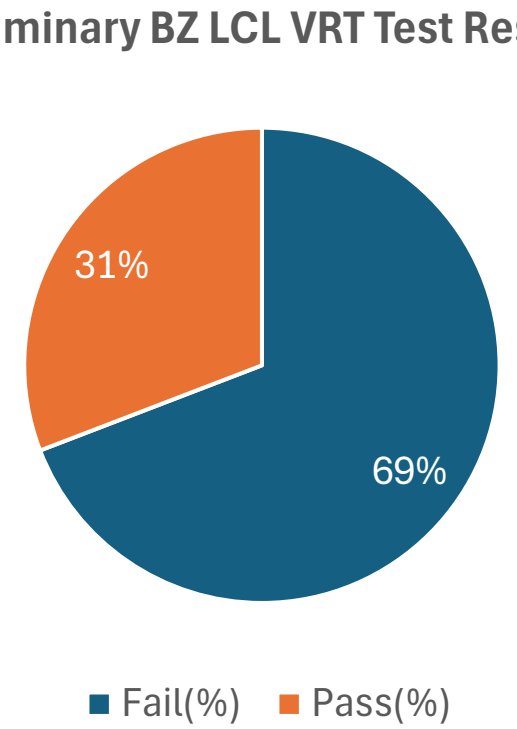
Note that this slide was presented at the May 21, 2026 LLWG meeting: 4a. Batch Zero Readiness Discussion for LLWG_05212026.

Dynamic Models for the Batch Zero – Voltage Ride Through (VRT) Tests (September-November 2026)

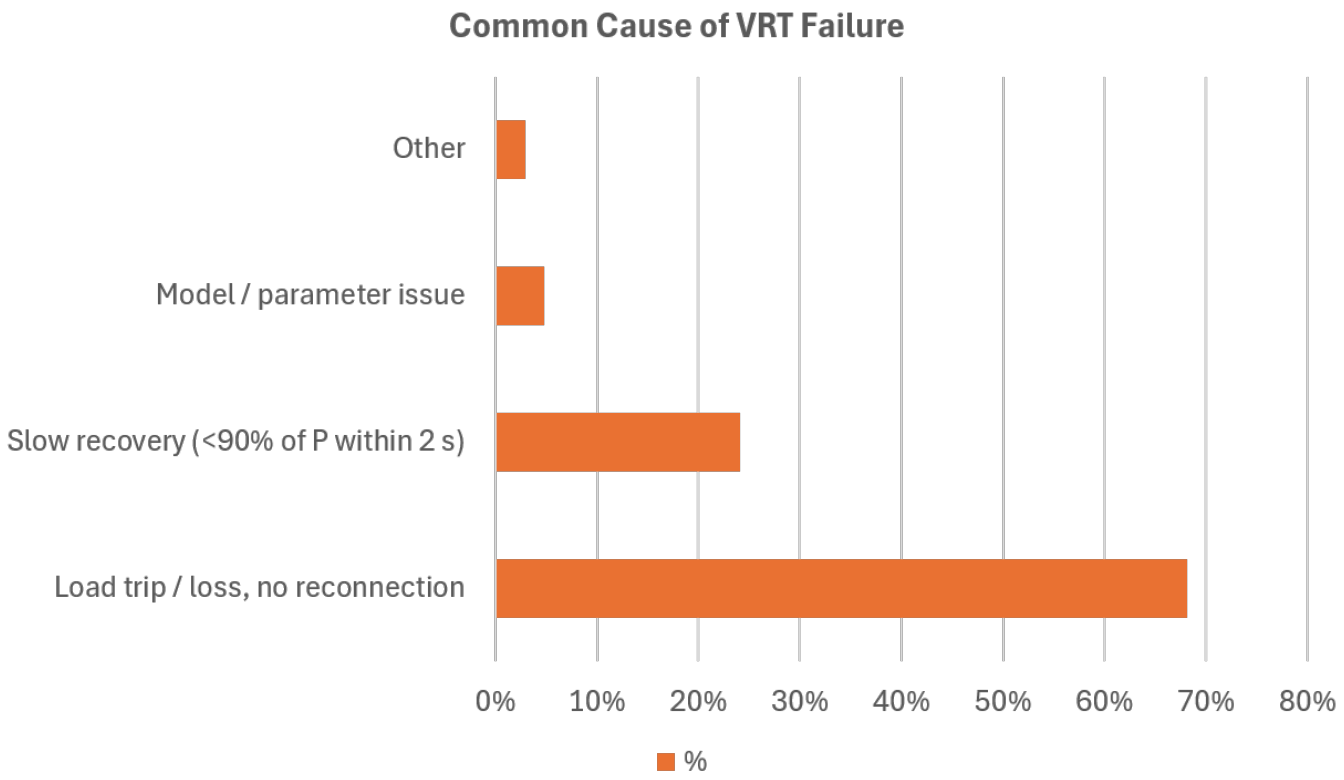
- The testing assessed voltage ride-through capability based on the provided dynamic model and NOG 2.15 VRT requirements.
  - Large Loads that did not meet the preliminary Base Load or Studied Load requirements may not have been tested.
  - Large Loads that did not submit dynamic model data in accordance PG9.2.2(3) may not have been tested.

- Preliminary results indicate that 31% of the tested LCLs rode through the voltage disturbance.

VRT Tests for ~260 LL projects were Performed



Preliminary Results: Common Cause of LCL Model VRT Performance Deficiency



- 68% of VRT deficiency are due to full or partial load loss
- 24% of VRT deficiency are due to slow recovery
- Some LCLs may have failed for multiple reasons

Next Steps and Paths to support Model Update and Interconnection

ERCOT Provides VRT tests

ERCOT plans to provide the results in early December 2026. Details on the process and required materials will be provided when sharing the results.

One update window

ILLEs may provide updated models by January 2027, to demonstrate their plan to improve its ride-through capability and being included in the Batch-Zero allocation studies.

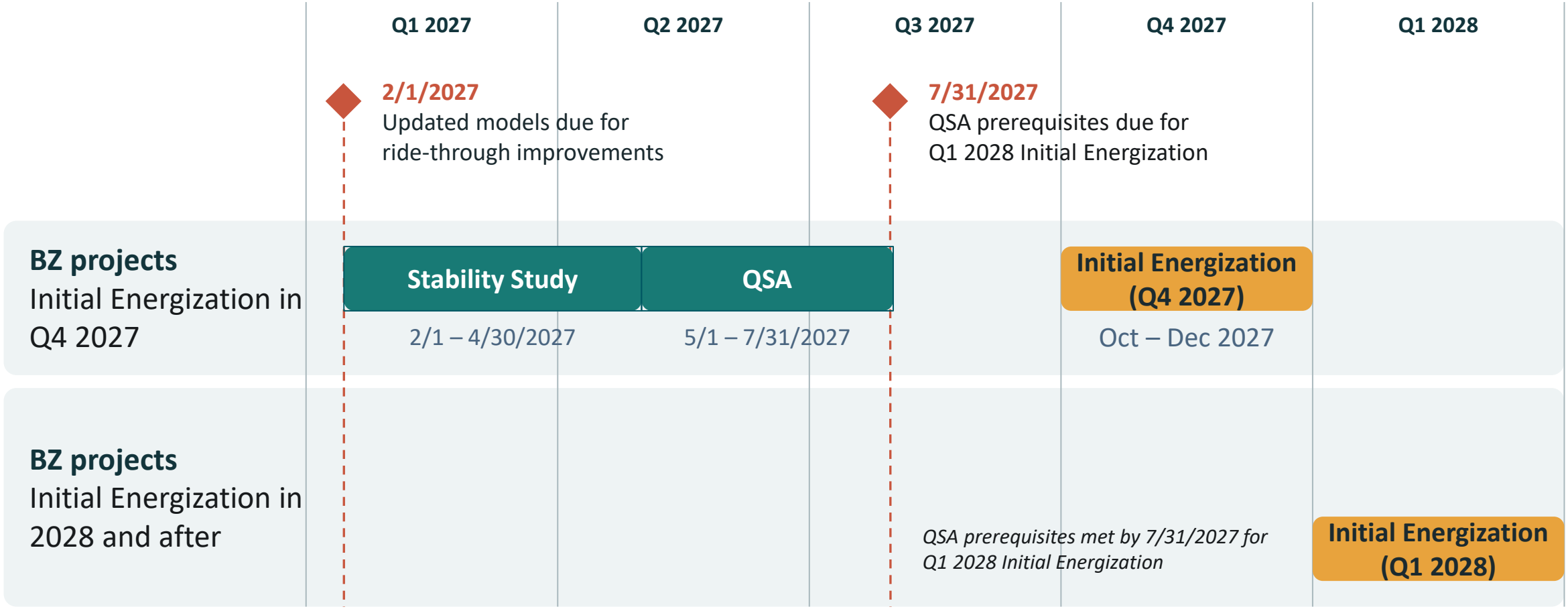
QSA Is a Prerequisite for Energization

BZ projects must meet required prerequisites to be included in QSA (PG 5.3.5).

Batch Zero projects subject to the NOG Section 2.15 VRT requirements will not be eligible for QSA if their dynamic models do not demonstrate the applicable ride-through performance.

BZ projects without a QSA will not be granted an Initial Energization request as required in PG 9.6

Next Steps – Tentative Timeline



Question?

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