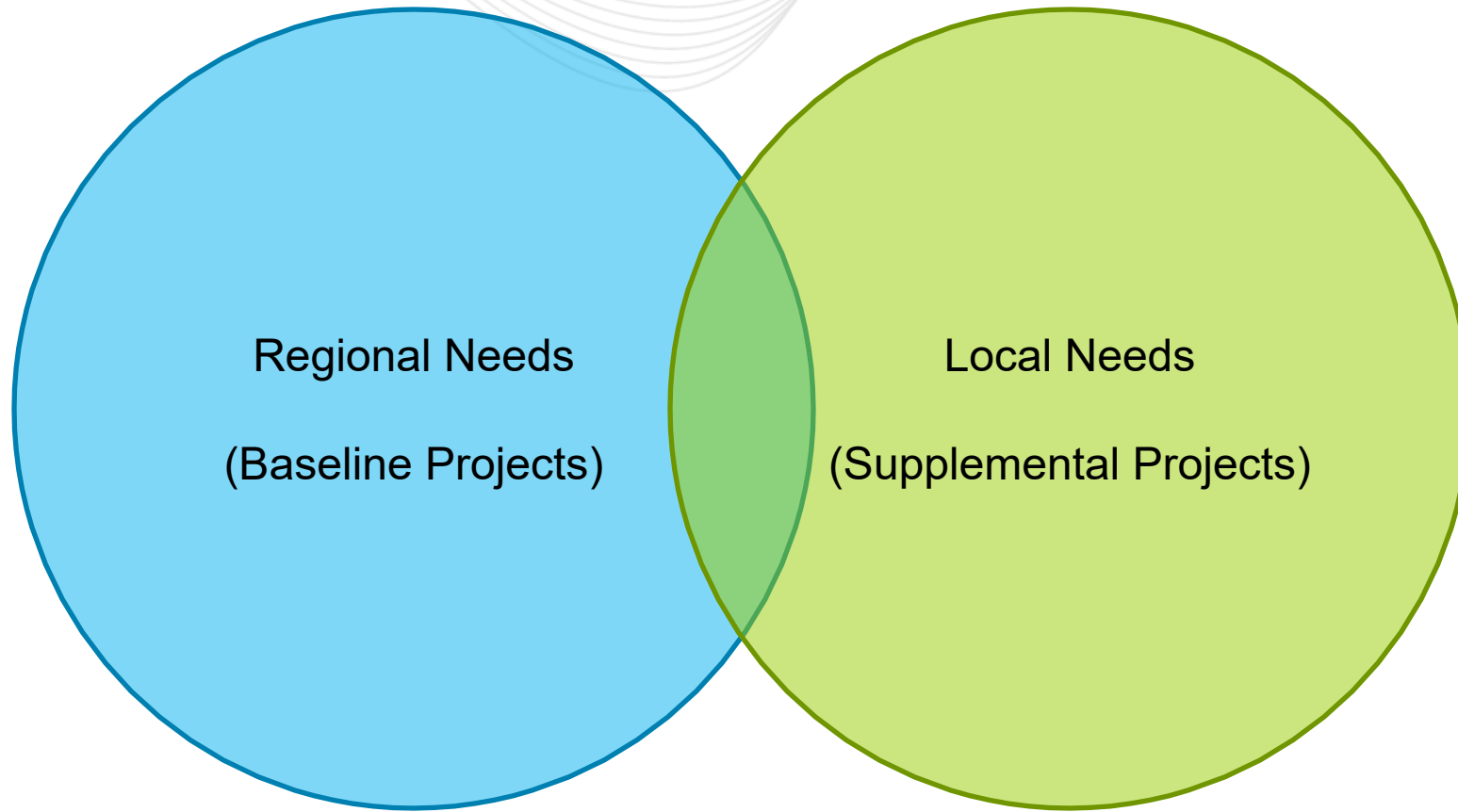


Planning Update

Susan McGill
Sr. Manager, Policy Initiatives

Large Load Connections

Type	Purpose	Cost Allocation
Baseline	Regional needs <ul style="list-style-type: none"> • NERC TPL standards • PJM criteria • TO FERC 715 criteria 	Regional allocation
Supplemental	Local needs <ul style="list-style-type: none"> • Customer connections • Local standards • State regulatory commitments 	TO zone
Network	Generation need <ul style="list-style-type: none"> • Regional and local criteria 	Interconnection customers



Transmission Owner

Local impacts

- Physical interconnection
- Overloads at nearby substations
- Overloads on nearby lines

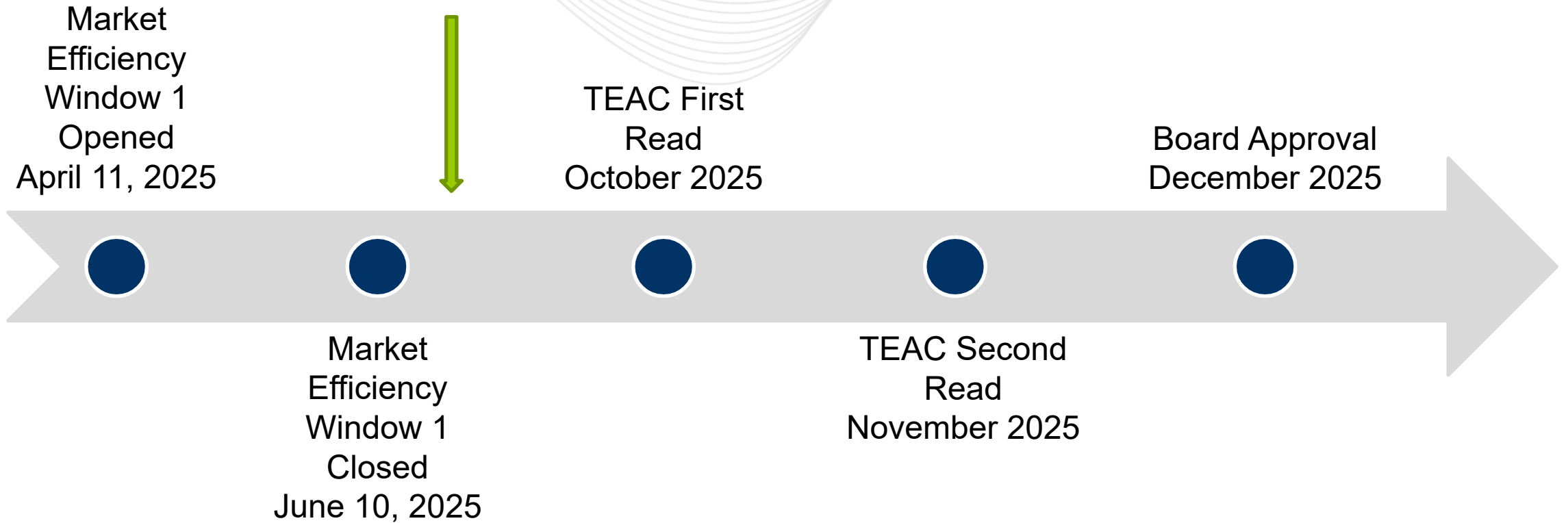
PJM

Regional impacts

- Changes to transfer needs into the zone

Note: These are examples of needs that could be identified and not inclusive of all needs that could be identified.

TEAC Update

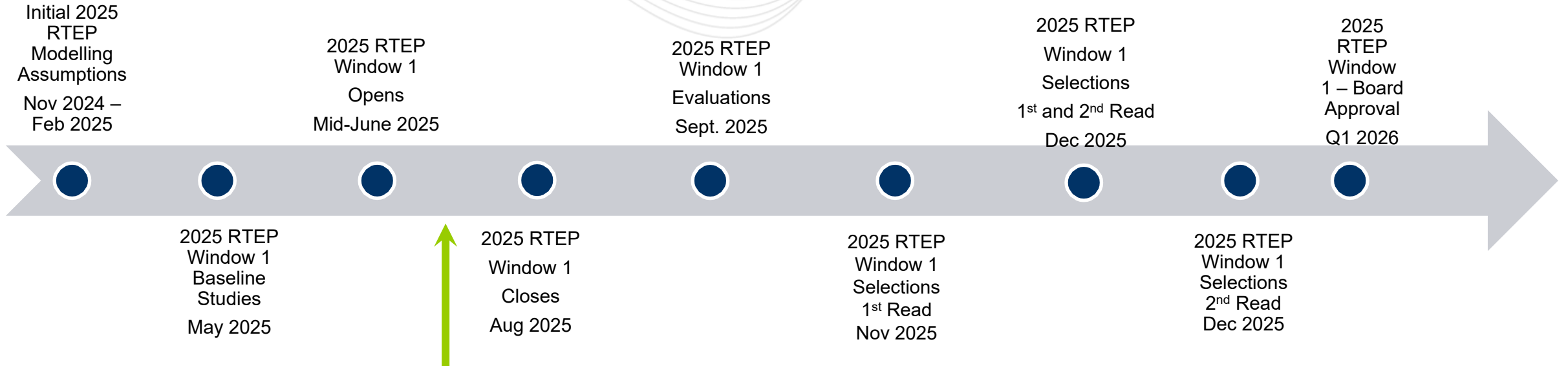


- 14 Proposals were received from 5 entities:
 - Museville-Smith Mountain 138 kV: 6 proposals from 3 entities.
 - West Point-Lanexa 115 kV: 7 proposals from 1 entity.
 - Garrett-Garrett Tap 115 kV: 1 proposal from 1 entity.
- 3 Greenfield proposals with in-service year costs from \$270.1M to \$1.568B:
- 9 Upgrade proposals including line rebuilds, reconstructing switching stations, sag studies, and substation equipment upgrades. In-service year costs from \$1.8M to \$131.6M.
- 2 Battery Energy Storage System (BESS) proposals with in-service year costs of \$83.9M and \$221.7M respectively.

Unit(s)	MW	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Warren Evergreen CT1	5	ATSI	10/1/2025	Reliability analysis – 2025 Q3
Cooper 1	116	EKPC	12/31/2030	Reliability analysis – 2025 Q3

Zone	# of Projects	Estimated Cost (\$M)
Customer service		
DEOK	1	\$186.00
Equipment material condition, performance and risk		
ATSI	4	\$498.09
Dominion	1	\$54.00
PSEG	1	\$27.20
Operational flexibility		
AEP	1	\$9.33
Total	8	\$774.62

Note: Needs presented for 6 large load requests totaling 3,115 MW



- Problem statement review with analysis clusters and reasons to include or exclude from the competitive window.
 - Consideration for equipment replacement
 - Trends that should be monitored before a large solution
 - Effects of delayed offshore wind projects

- Scenario 4 assess the impacts to the delays in offshore wind in New Jersey and Delaware.
 - Removal alleviates two violations on the 500 kV backbone
 - Removal forces more transfers from the West and South resulting in six new violations

- PPL large load additions
 - Several new large load additions shared by PPL after completion of the 2025 Load Forecast
 - PJM provided this information as an addendum to the Window materials for consideration in proposals
 - Loads will be included in the 2026 Load Forecast

Proposal evaluations

- All proposal must solve the reliability need in the base case
- Scenarios and PPL large load conditions will be used to test the strength of proposals