

Suggestions to abbreviate LFL interconnection process timeline

Overview of services potentially provided by LFLs		Benefit to grid					
		Transmission Security	Transmission Bottlenecks	Real Time Energy Balancing	Major Capacity Shortages	Increase Renewable Penetration	Long Term Planning
1	Non Controllable Load Resource (LR) Ancillary Services: ERS, NC RRS, NC Non Spin				✓	✓	
2	Controllable Load Resource (CLR) Ancillary Services: URS, DRS, RRS, Non Spin, real time balancing energy		✓	✓	✓	✓	
3	Load shed/curtailment for transmission security - forfeit AS revenue and remove obligation	✓				✓	✓
4	Load shed/curtailment before EEA3 unless carrying AS. If carrying AS, follow ERCOT instructions.				✓		✓
5	Transparency: provide load ramp schedule, security postings, interconnection agreements, equipment orders, EPC contracts					✓	✓
6	Reliability and resilience of AS supply - During Uri, miners shut down <u>and</u> started back up when required or allowed. Many AS providers with fuel issues or frozen processes couldn't comeback on line for days. The electronic process is not exposed to the same weather issues as generation or mechanical and chemical processing load.	✓			✓	✓	✓

Ideas how process could meet LFLTF goal of an abbreviated timeline to interconnection for LFLs	Steps
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1	Clear rules and process for projects to follow	<ul style="list-style-type: none">- Register project with ERCOT- Fixed ERCOT interconnection agreement approval process with timeline- References to transmission rules and standards required in transmission studies- Rules at time of application apply to the project.
2	Consider load curtailment for planning and transmission studies	<ul style="list-style-type: none">- NERC guidelines allow for load shedding to mitigate issues in certain circumstances- If non-firm load, apply non-firm transmission standards- Assume load shed for SARA scenario reporting as TSP has ability to curtail.
3	30 day ERCOT process to assess application resulting in approval or rejection	<ul style="list-style-type: none">- Weekly Q&A with project developer, TSP. Must answer ERCOT questions or delay processing.- ERCOT IA approval can be 100% of capacity requested on day one or scaled up over time to match future transmission upgrades
4	Development process	<ul style="list-style-type: none">- Once ERCOT approves project, customer/developer must post security to ERCOT equal to [\$1,000]/MW within [30] days to accept the ERCOT IA for [24] month development period.- ERCOT approval and deposit holds IA capacity until expiry of development period. Load is added to the Network Operation Model and may impact future IA applications.- Deposits are returned for any capacity energized before the end of the development period. The remaining deposit for undeveloped capacity is forfeit and removed from Network Operations Model.- Project may reapply annual extensions but any transmission analysis rerefresh required by ERCOT must use transmission topology and parameters at time of the extension request.