



SUPPLY CHAIN & MANUFACTURING EFFICIENCIES TIGER TEAM

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Tiger team overview

33 team members to date (excluding national laboratory researchers):

- Private companies: 17
- State/city agencies: 6
- Universities: 4
- Battery consortia: 4
- Utility cooperative: 1
- Research institute: 1



Highlighted activities since Jan 2024

Month	Activity
Feb	Conducted an internal survey to: <ul style="list-style-type: none">- Select 1 example technology from each LDES group- Understand member's background on LDES technologies
March	4 working groups worked on identifying initial supply chain risks (from raw materials to components and final products/systems): <ul style="list-style-type: none">- Lead acid batteries- Hydrogen- Compressed air- Thermal LDES
Apr	Developed draft recommendations
May	Reviewed recommendations
July	Addresses DOE's comments, propose 3 new challenges
Aug	Team members started to estimate materials/components/equipment to install 1 GWh of LDES

First round of recommendations

Started with 9 recommendations and in the process of addressing/down selecting:

1. Recommendation 1: calculate materials/components/equipment needed to install 1 GWh of energy storage for each LDES technology.
 - Enlisted 10 members to help
2. Sent to Office of Manufacturing & Energy Supply Chain 3 recommendations:
 - Material database of material-supplying countries and the capacities of each supplier
 - National assessment of manufacturing capacity of domestic and friendly countries as well as size of the manufacturing plant necessary for reasonable economies of scale to reduce unit costs.
 - Study of shipping issues



First round of recommendations

3. Passed to other Tiger teams:
 - Workforce gap to Workforce Development Tiger Team
 - Fire safety to Safety & Grid Security Tiger Team
 - System integrators to Grid Infrastructure Tiger Team
4. Withdrew:
 - Request funding for piloting/scaling up → DOE's FOA, RFI
 - Detailed definitions and associated supply chain needs for Demonstration and Deployment projects