NOA Stability Pathfinder Phase 2

Feasibility Study Summary

nationalgridESO

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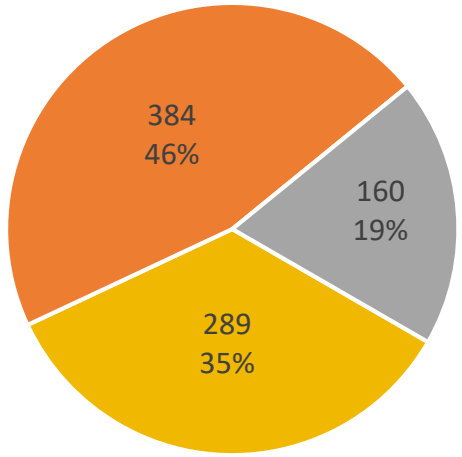
Feasibility study submissions

- Many thanks to all those who have participated in the Feasibility Study for NOA Stability Pathfinder Phase 2.
- The Expression of Interest (EOI) invited potential participants to express an interest in participating in the NOA Stability Pathfinder Phase 2 tender process which is seeking to procure short circuit level, inertia and dynamic voltage services.
- Through the EOI in January 2021, we received 1575 solutions from 29 submissions. All solutions that passed the EOI stage in February 2021 were able to participate in the feasibility study.
- The feasibility study process concluded in early August 2021. There are 833 solutions from 27 submissions that have passed the Feasibility Study stage and are able progress to the next stages of the tender process.
- All passes at this stage are subject to a full demonstration of all aspects of the technical specification and the tendered SCL and inertia values as part of the proving and compliance tests prior to service start.
- No new solutions can be added in the tender submission. However, solutions can be dropped and not submitted in the commercial tender.
- Next steps of the tender process are in the tender timeline

Website https://www.nationalgrideso.com/future-of-energy/projects/pathfinders/stability/Phase-2
Contact box.networkdevelopment.roadmap@nationalgrideso.com

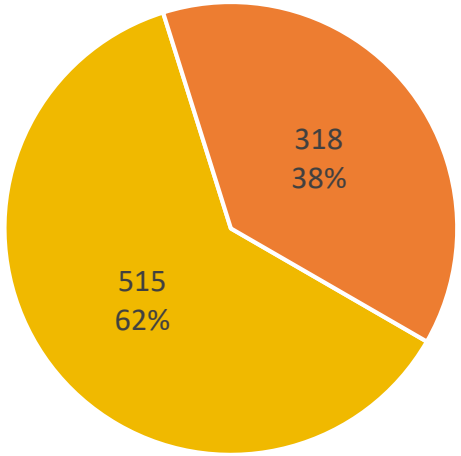
Summary of submissions

Solutions by Technology Type



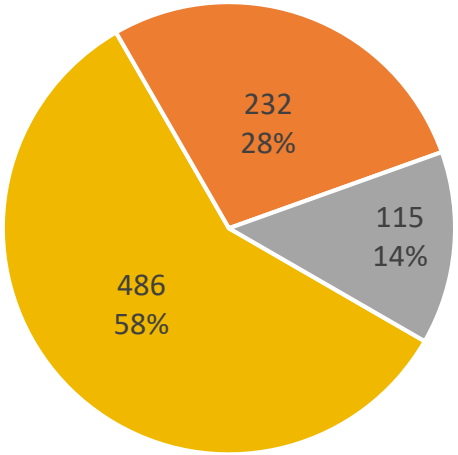
Synchronous machines ■ Grid forming converters ■ Hybrid*

Solutions by Transmission Owner Area



Scottish Power Transmission ■ Scottish and Southern Electricity Networks**

Solutions by Voltage Level



400 kV ■ 275 kV ■ 132 kV

Feasibility study pass summary

- 27 Submissions
- 3 Technology categories
- 833 Solutions
- 44 Substations (different voltage levels/sites)
  - 29 in SPT area
  - 15 in SSEN area (including OFTO)

*Synchronous Condenser and Battery Storage System with Grid Forming Converter
** Includes solutions connecting via OFTO