Pre-computed DERs, Pre-approved Interconnection

Streamlining interconnections for distributed energy resources, enhancing grid efficiency, and reducing approval times.

- Track: Utility Digitization/Data Challenge
- Problem:
  - Interconnection delays hinder the adoption of cost-effective electrification.
- Solution:
  - Implementing digitized processes for pre-computed interconnection authorizations, reducing process time and increasing throughput of DER interconnections.
- Credentials:
  - Decades of combined experience in utility optimization and DER integration.
  - Innovative partnerships and proven data-driven strategies in grid planning and DER forecasting."
- Goals:
  - Develop and validate a pre-clearance strategy for DER interconnection.
  - Integrate and pilot the solution with PGE, aiming for broader utility adoption.
- Synopsis:
  - The proposed solution streamlines the identification of cost-effective small-scale DER project sites and associated interconnection approvals, by leveraging existing common data sets to pre-approve (and enable prioritization of) DER projects based on the capacity of potential sites along the grid. This solution, once successfully demonstrated, has the potential to accelerate adoption of electrification measures nationwide.

Plentiful.ai PGE

Team Plentiful is a partnership between data analytics software development firm, Plentiful.ai, and distributed energy resource (DER) integration and planning group at Portland General Electric.

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