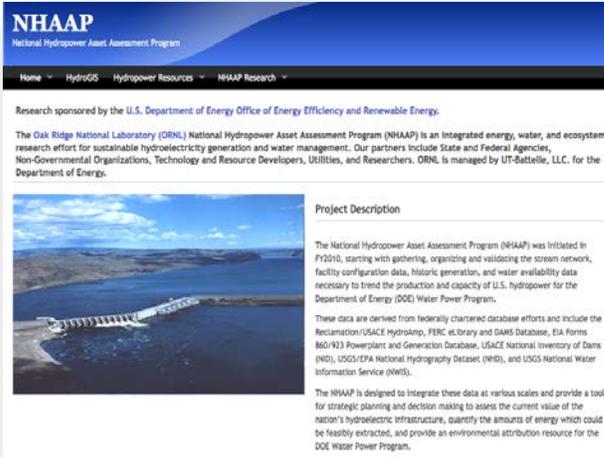


The National Hydropower Asset Assessment Program (NHAAP) is an integrated energy, water, and ecosystem research effort for sustainable hydroelectricity generation and water management. The NHAAP conducts research on new development opportunities and provides a comprehensive hydropower database integrating information about existing hydropower plants.



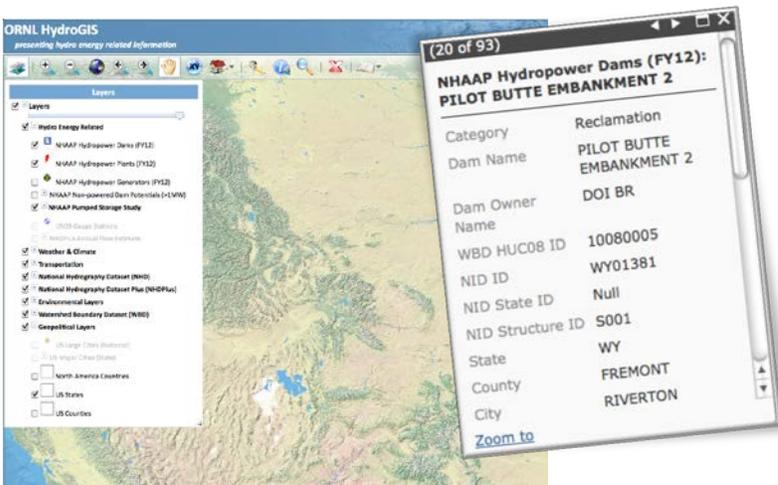
The core of NHAAP is an integrated geo-spatial database combining multiple federally-chartered data efforts with hydropower-specific analysis tools and new research results.

The NHAAP Web portal consists of the following components:

- **Research Summary** for publication and dissemination of DOE-funded research products that use NHAAP data.
- **Hydropower Resources** that detail historical development and power production as well as hydropower potential at existing facilities, non-powered dams, and new sites.
- **HydroGIS** for visualization and tools and geospatial analysis of hydro power assets and potential.

Research Summary and Resources Example:

- Existing Hydropower Assets
- Non-Powered Dam Potential
- New site Development Potential
- Climate Impacts and Environmental Attribution



HydroGIS is a web-based interface that allows users to perform spatial queries of hydropower-related data, including existing dams, hydropower plants, generators, stream segments, water bodies, satellite images, historic generation, environmental attributes etc.

For additional information contact Brennan Smith (smithbt@ornl.gov)