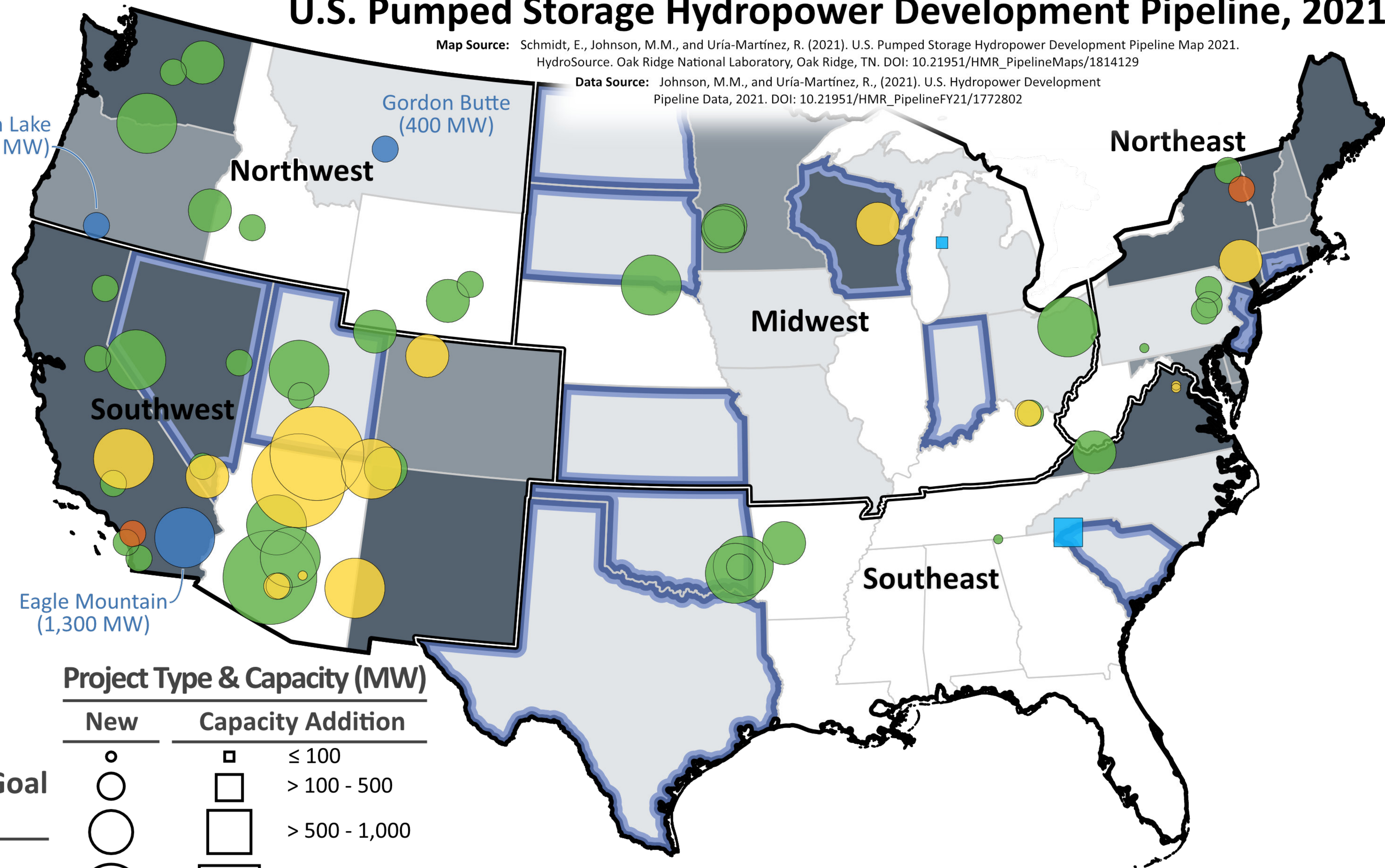


U.S. Pumped Storage Hydropower Development Pipeline, 2021

Map Source: Schmidt, E., Johnson, M.M., and Uría-Martínez, R. (2021). U.S. Pumped Storage Hydropower Development Pipeline Map 2021. HydroSource. Oak Ridge National Laboratory, Oak Ridge, TN. DOI: 10.21951/HMR_PipelineMaps/1814129

Data Source: Johnson, M.M., and Uría-Martínez, R., (2021). U.S. Hydropower Development Pipeline Data, 2021. DOI: 10.21951/HMR_PipelineFY21/1772802



Stage of PSH Development

- Pending Preliminary Permit*
- Issued Preliminary Permit*
- Pending License**
- Issued License**
- Under Construction

Renewable Portfolio Standard/Goal or Clean Energy Standard/Goal

- < 20
- ≥ 20 - < 50%
- ≥ 50
- None
- Renewable Energy Goal Target

Project Type & Capacity (MW)

New	Capacity Addition	
		≤ 100
		> 100 - 500
		> 500 - 1,000
		> 1,000 - 2,000
		> 2,000

*Projects in the Pending Preliminary Permit and Issued Preliminary Permit stages are undergoing feasibility studies and have high attrition rates.

**Pending License includes projects that have applied for authorization from FERC or Bureau of Reclamation. Issued License includes projects that have received federal authorization from one of the two agencies.