The USGS in 2020 completed an assessment of undiscovered, technically recoverable oil and gas resources in Alaska's Central North Slope. Estimated means of 3.6 billion barrels of oil and 8.9 trillion cubic feet of natural gas (associated and nonassociated) in conventional accumulations in Mississippian through Paleogene strata of State and Native lands and State waters. This assessment does not include discoveries made by industry between 2013 and 2017. Below is a list of other USGS assessments in Alaska:

- NEW Assessment of Undiscovered Oil and Gas Resources in the Central North Slope of Alaska (2020)
- Assessment of undiscovered gas hydrate resources in the North Slope of Alaska (2018)
- Susitna Basin, Southern Alaska (2018)
- National Petroleum Reserve-Alaska (NPRA) (2017)
- Upper Cook Inlet Basin (2015)
- Alaska North Slope Assessment (2012)
- National Petroleum Reserve-Alaska (now superseded) (2010)
- Gas Hydrates (2008)
- Circum-Arctic Resource Appraisal (2008)
- Central North Slope (2005)
- Coalbed Methane of Northern Alaska (2006)
- Yukon Flats (2003)
- Arctic National Wildlife Refuge ANWR-1002 Area (1998)