

Mio Dam



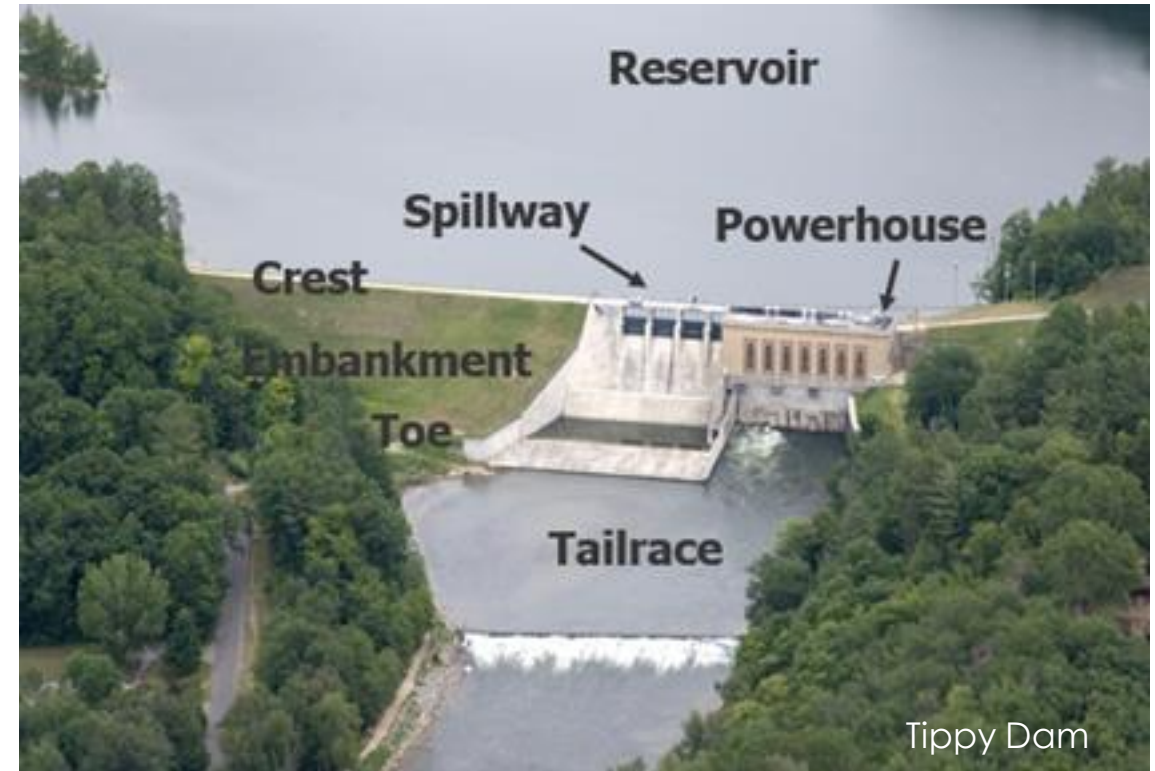
Mio Dam



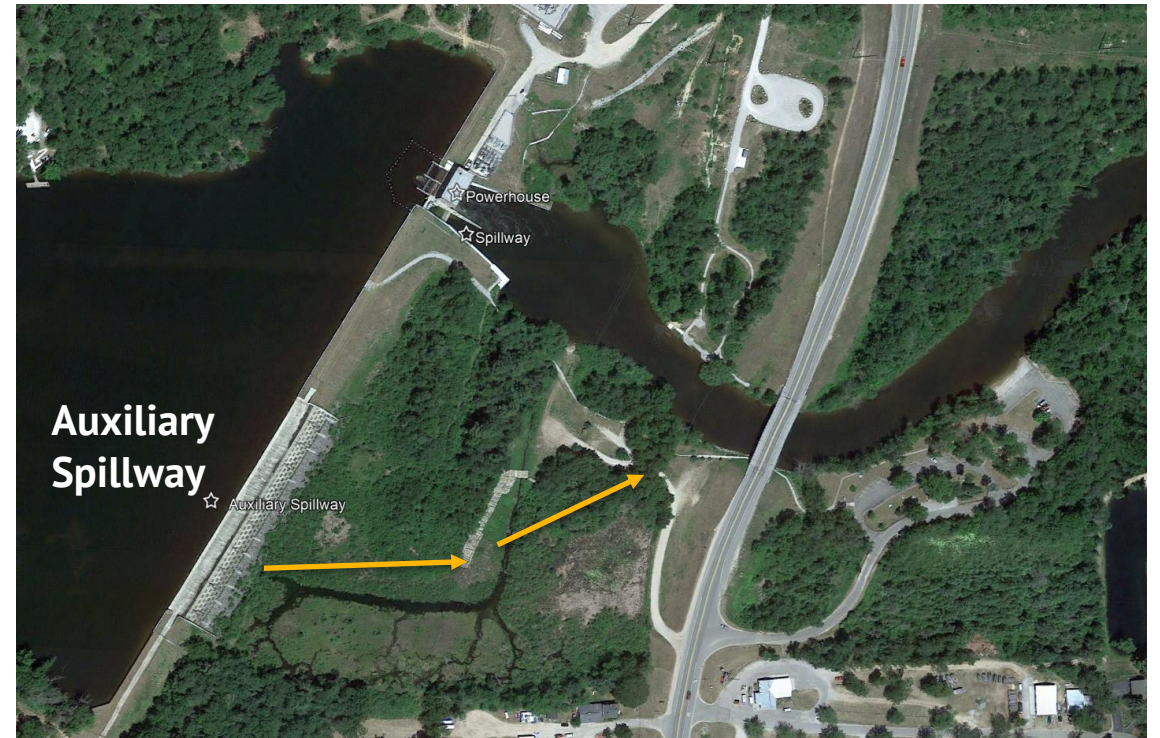
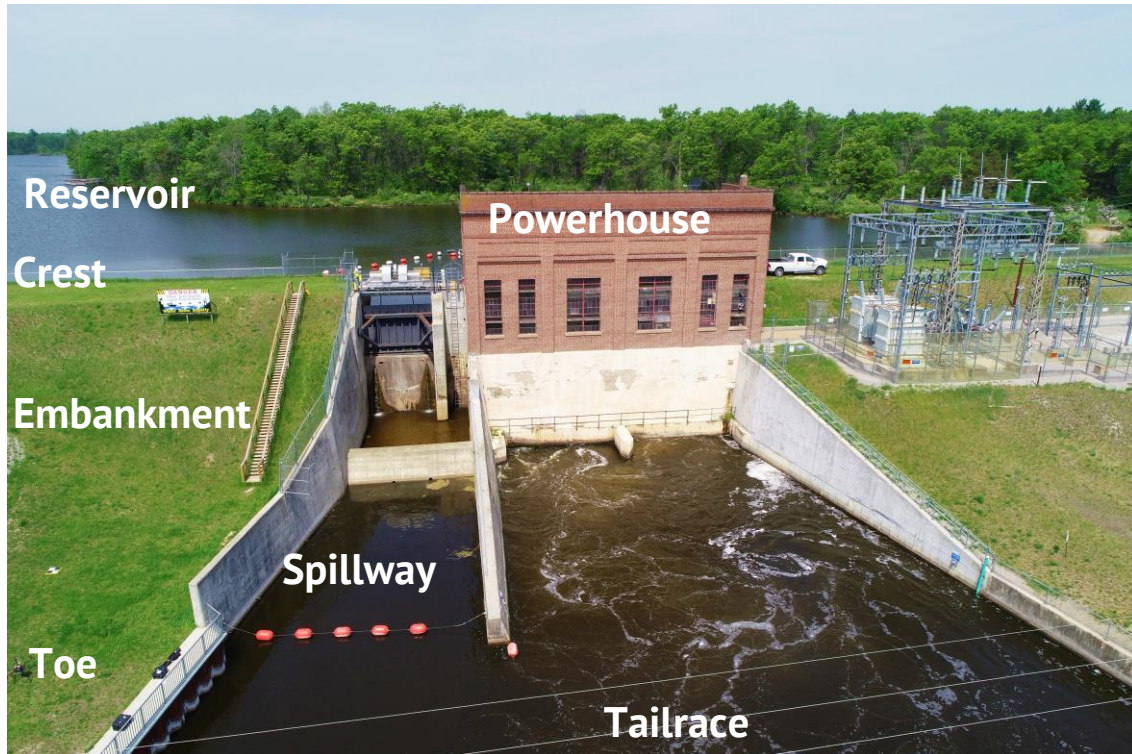
River Hydro Asset Key Terms

Definitions/purpose of the major components and aspects critical of safe, compliant, and reliable operations:

- **Dam:** The entire barrier to hold back the water (reservoir) typically consists of embankments, spillways, and powerhouse
- **Spillway:** Primary location for water flow when not used for generation
- **Powerhouse:** Location of generation units
- **Embankment:** Earthen barrier to hold back the reservoir, which contains a hydraulic barrier (core wall)

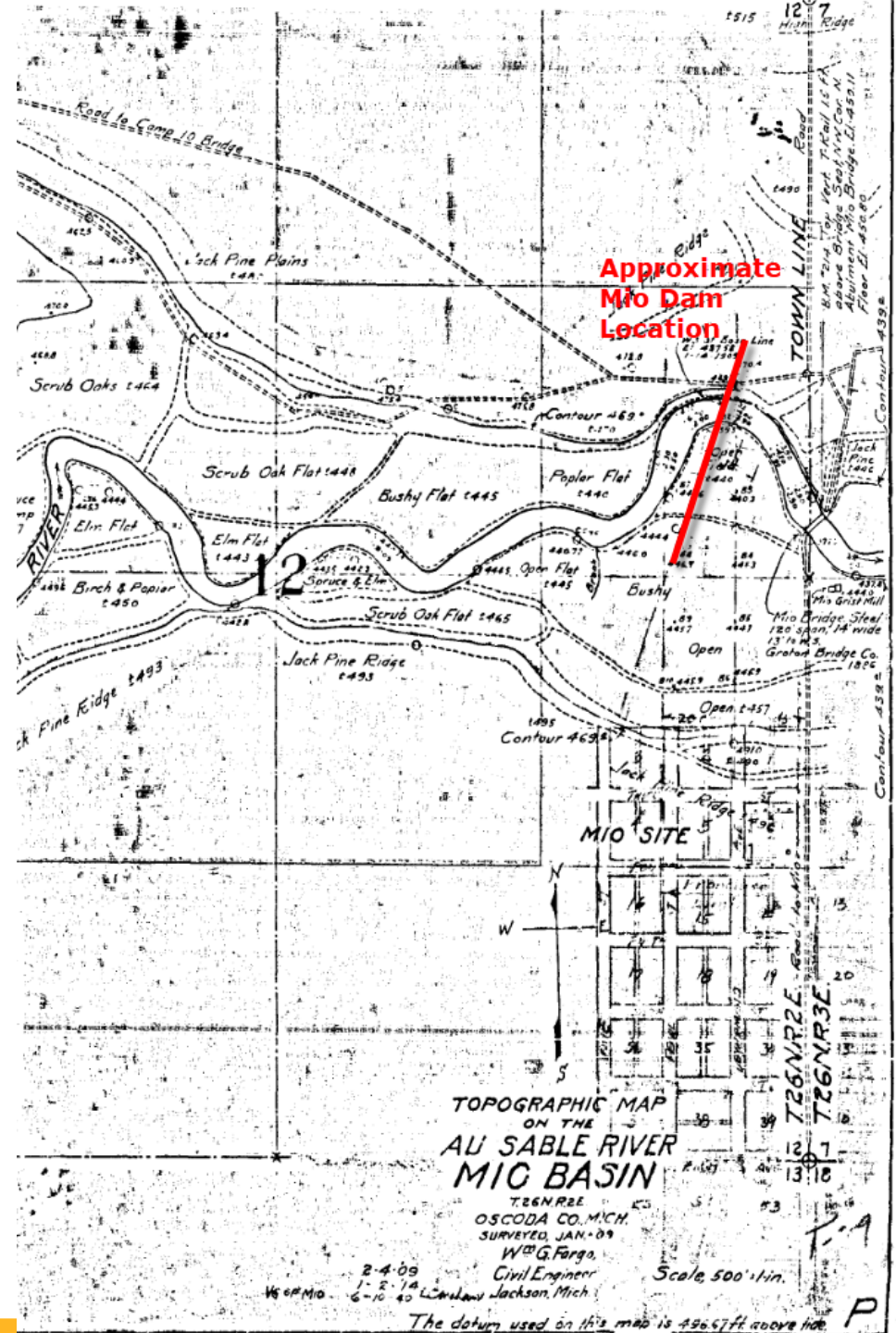


Mio Dam Structures

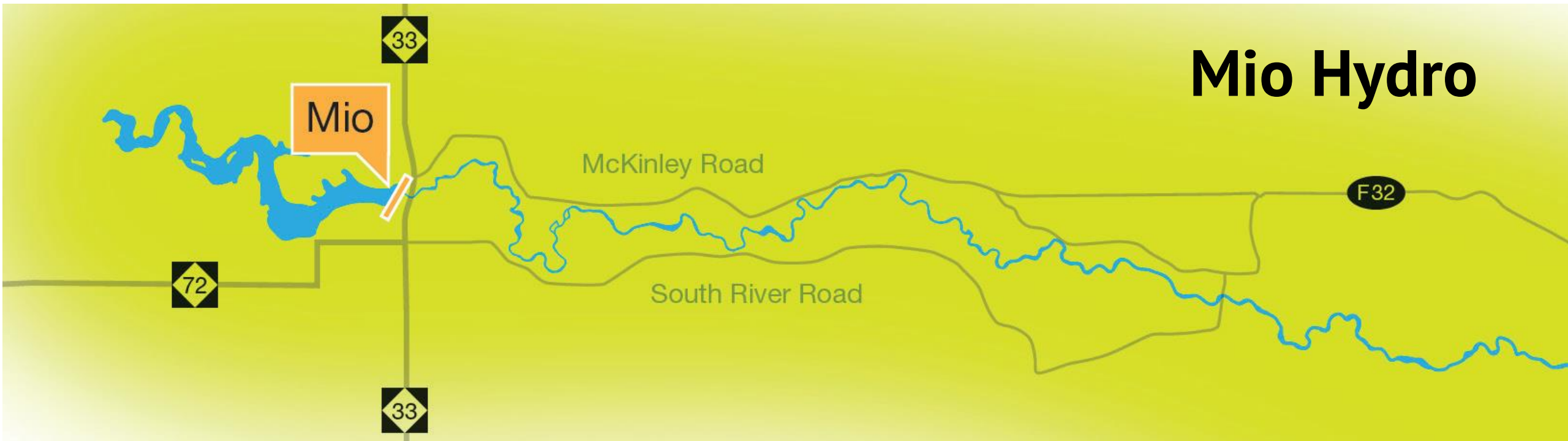


Original Survey Drawings for Mio Dam

PSC



Mio Hydro



- With a capacity of 4,900 kilowatts, the hydro was built between 1914 and 1916 and is the company's furthest-upstream (west) hydro on the AuSable River.
- An innovative design reduced tailwater erosion during spill operation, increased the plant's power production, and reduced construction expense
- Oscoda County Park is the perfect place for scenic views of the Mio Dam and watching bald eagles soar above the forest, with 153 campsites in a quiet forest setting on the Mio Hydro pond.
- It is the first dam that participants portage during the Au Sable Canoe Marathon

Mio Dam General Information

FERC License Expiration Date:

June 30, 2034

Dam Height (ft.): **38**

Length of Dam (ft.): **2,120**

Drainage Area (sq. miles): **1,100**

Impoundment Area (acres): **661**

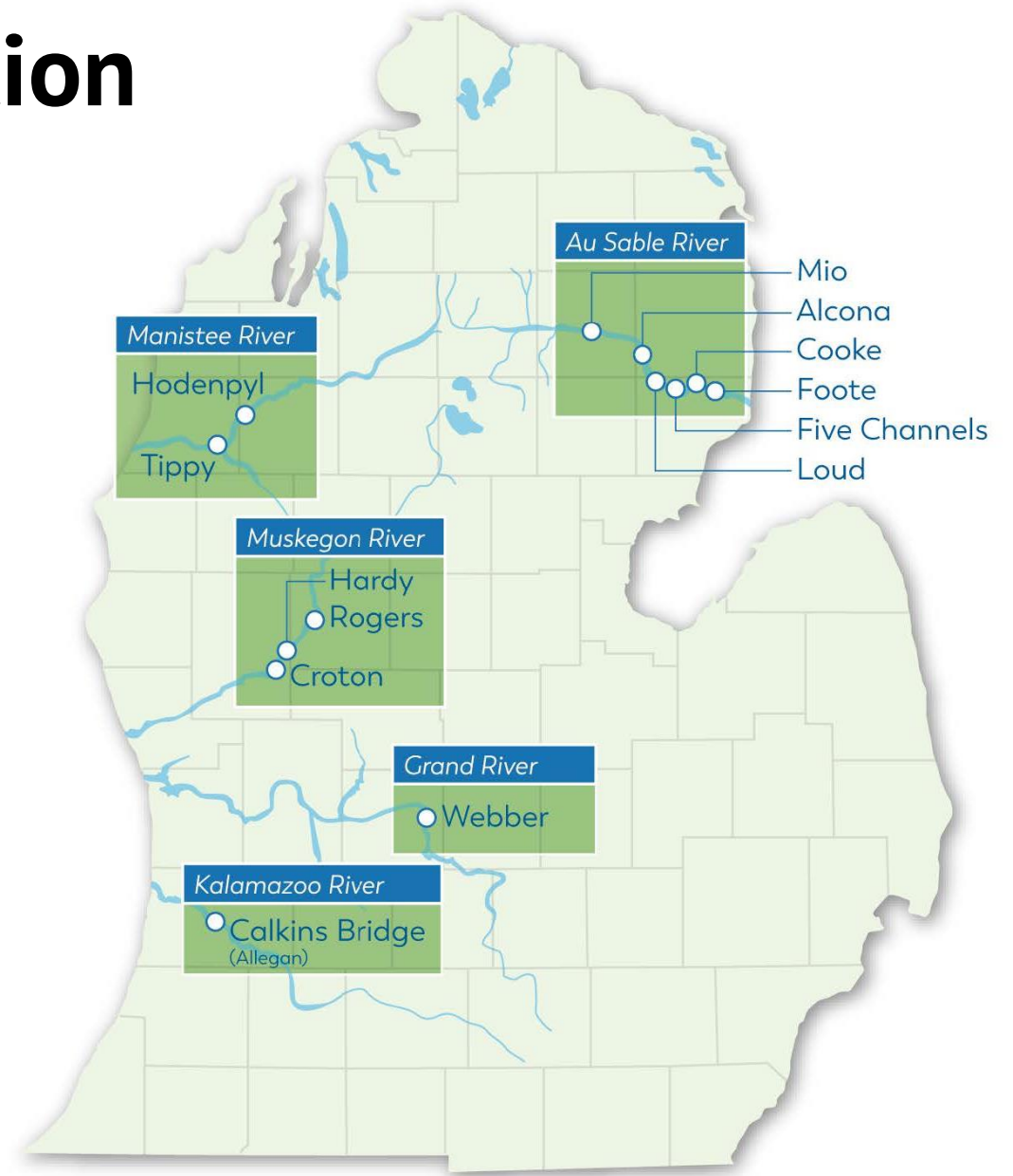
Age (years): **106**

FERC Hazard Classification: **High***

Approximate Population at Risk: **1,100**

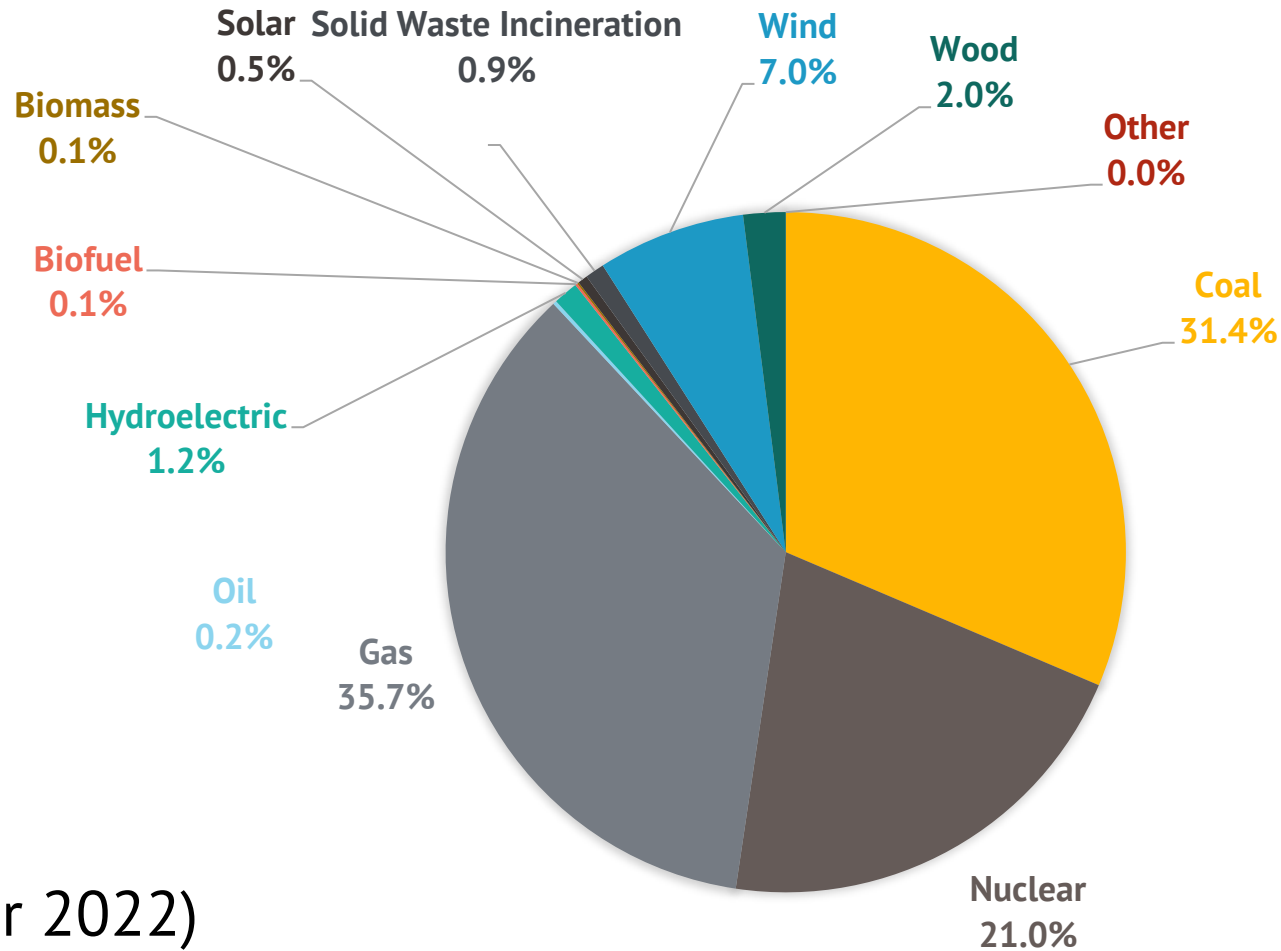
Approximate Recreation Use:

- 35,000 visitors annually
- 17 boat docks
- 177 campsites
- Popular trout fishing site



**Failure or misoperation will probably result in loss of human life.*

Percentage of Fuel Type Used to Produce Consumers Energy's Total Electricity



(Apr 2021-Mar 2022)