Table 1.5 Montana Natural Gas Generation Facilities[27]

Facility Name	Company Name	County	Initial Operation Date	Generator Nameplate (MW)
Dave Gates	NorthWestern Energy	Deer Lodge	2011	150
Culbertson	Basin Electric Power Cooperative	Richland	2010	91
Glendive*	Montana-Dakota Utilities	Dawson	1979/2003	84
Basin Creek	Basin Creek Equity Partners, LLC (contracted with NorthWestern Energy)	Silver Bow	2006	52
Miles City	Montana-Dakota Utilities	Custer	1972	23
Lewis and Clark	Montana-Dakota Utilities	Richland	2015	19

**This facility can also run on fuel oil when natural gas supplies are constrained.*

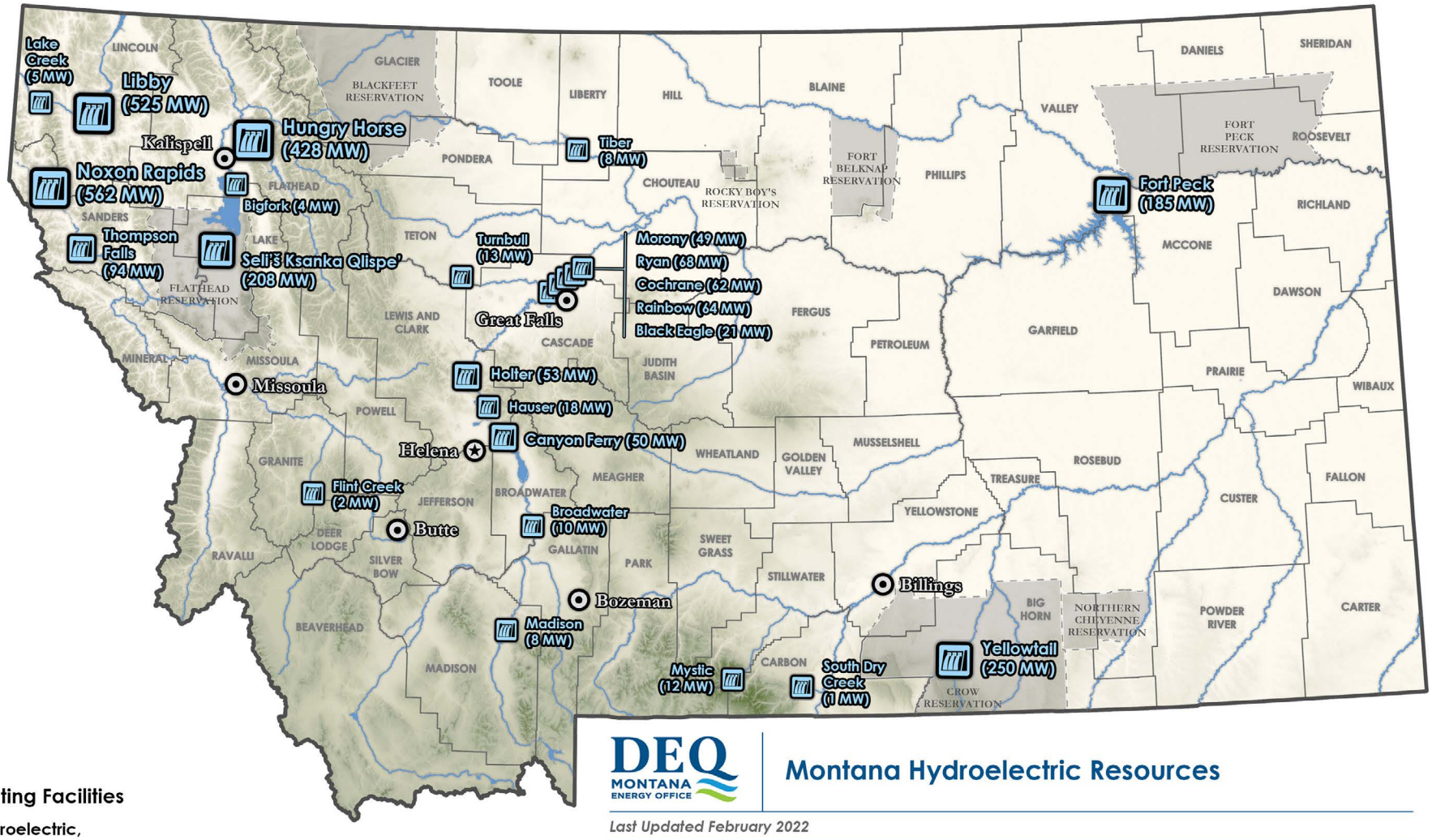
Table Summary: This table lists the natural gas fueled electric generators in Montana.

HYDROPOWER

Hydroelectric dams are an important resource in Montana's energy generation mix and produced half of the state's net electric generation in 2021. There are currently 32 operating hydroelectric facilities in Montana and six of the state's ten-largest generating plants are water powered. At more than 562 MW of nameplate capacity, Noxon Rapids is the largest hydroelectric facility in Montana and is located on the Clark Fork River in Sanders County. Nearly all of its power is exported out of state. In 2021, Montana ranked sixth among all states for power generated by hydroelectric dams. Ownership of hydropower dams in Montana includes utilities and federal agencies. One of the largest facilities, the Seli'š Ksanka Qlispe' Dam (207 MW; formerly the Kerr Dam) was purchased by the Confederated Salish and Kootenai Tribes in 2015. This is the first Tribally-owned hydroelectric dam in the United States.

27 *Montana Energy Office.*

Map 1.3 Montana Hydroelectric Resources



Generating Facilities

Hydroelectric, 1 megawatt (MW) & larger

DEQ MONTANA ENERGY OFFICE

Montana Hydroelectric Resources

Last Updated February 2022

Facility Data Source: U.S. Energy Information Administration (EIA), 2020

Many of Montana's hydroelectric dams are run-of-the-river dams located along the Missouri River and generate power to serve customers in Montana. These dams were built between the late 1800s and the 1950s to meet the electricity demand of the state's increasing population and high-energy consuming industries such as copper mining and production. Other large hydroelectric dams in Montana are part of the Federal Columbia River Power System which includes a series of hydropower projects on the Columbia River and its tributaries in Idaho, Oregon, Washington, Montana and Wyoming. Hungry Horse and Libby dams are storage dams that generate electricity but also help serve other purposes for the Federal Columbia River Power System such as flood control and irrigation. BPA, a federal power marketing agency, markets power from these two dams and sells it to rural electric cooperatives in Montana and other utilities across the Northwest.

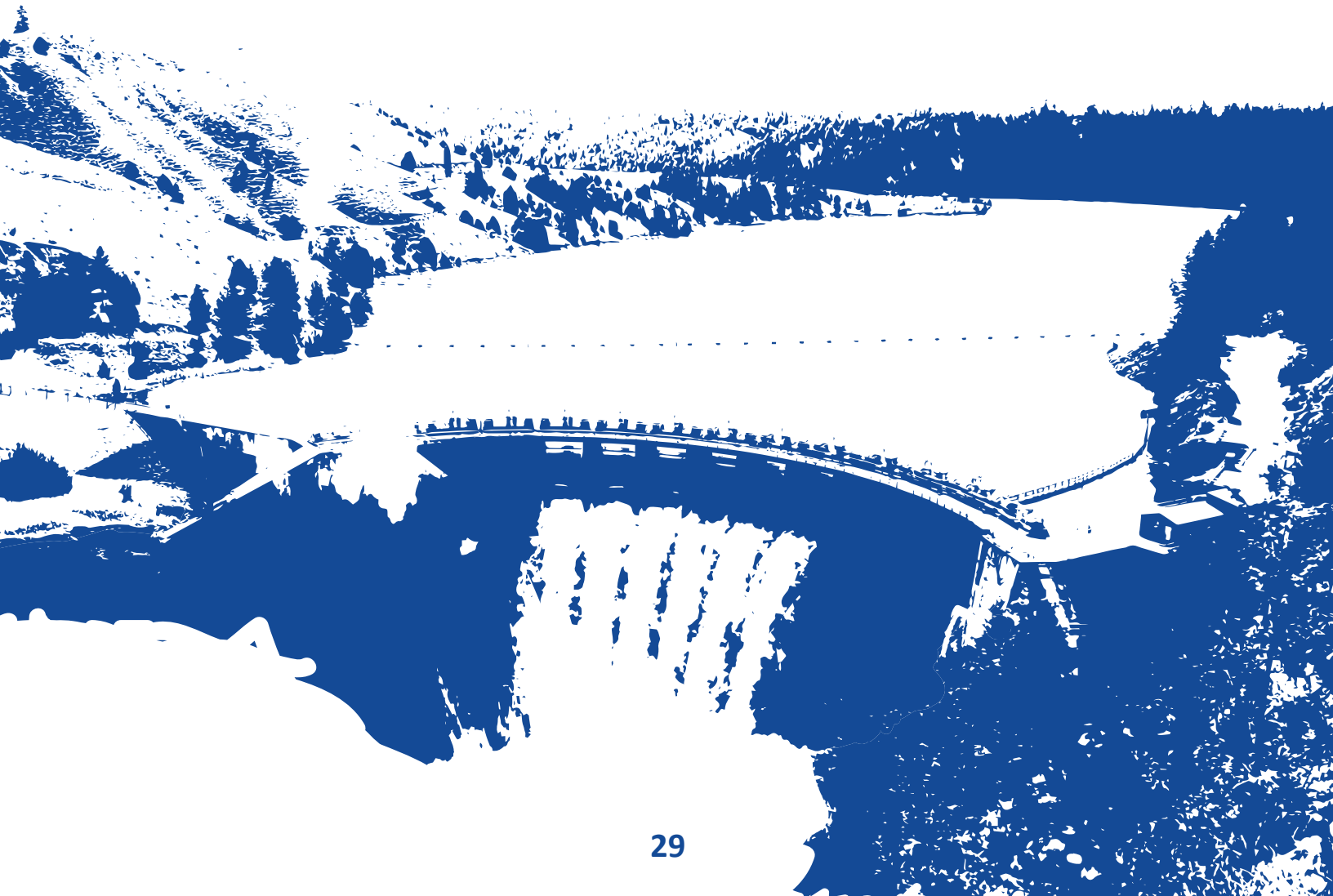


Table 1.6 Montana Hydroelectric Facilities Larger Than 1 Megawatt (MW)[28]

Facility Name	Company Name	County	River	Included in Federal Columbia River Power System	Initial Operation Date	Generator Nameplate (MW)
Noxon Rapids	Avista	Sanders	Clark Fork River	--	1959	562.4
Libby Dam	U.S. Corps of Engineers	Lincoln	Kootenai River	Yes	1975	525.0
Hungry Horse Dam	U.S. Bureau of Reclamation	Flathead	South Fork Flathead River	Yes	1952	428.0
Yellowtail Dam	U.S. Bureau of Reclamation	Big Horn	Bighorn River	--	1966	250.0
Seli'š Ksanka Qlispe' Dam	Confederated Salish and Kootenai Tribes (CSKT)	Lake	Flathead River	--	1938	207.6
Fort Peck Dam	U.S. Corps of Engineers	McCone	Missouri River	--	1943	180
Thompson Falls	NorthWestern Energy	Sanders	Clark Fork River	--	1915	87.1
Cochrane Dam	NorthWestern Energy	Cascade	Missouri River	--	1958	60.4
Rainbow Dam	NorthWestern Energy	Cascade	Missouri River	--	1910	60.0
Canyon Ferry Dam	U.S. Bureau of Reclamation	Lewis and Clark	Missouri River	--	1953	49.8
Ryan Dam	NorthWestern Energy	Cascade	Missouri River	--	1915	48.0
Morony Dam	NorthWestern Energy	Cascade	Missouri River	--	1930	45.0
Holter Dam	NorthWestern Energy	Lewis and Clark	Missouri River	--	1918	38.4
Hauser Dam	NorthWestern Energy	Lewis and Clark	Missouri River	--	1911	17.0
Black Eagle Dam	NorthWestern Energy	Cascade	Missouri River		1927	16.8
Turnbull Hydro	Turnbull Hydro, LLC	Teton	Irrigation Canal	--	2011	13.0
Mystic Dam	NorthWestern Energy	Stillwater	West Rosebud Creek	--	1925	10.0
Broadwater Dam	Montana DNRC	Broadwater	Missouri River		1989	9.6
Madison Dam	NorthWestern Energy	Madison	Madison River	--	1906	8.8
Tiber Dam	Tiber Dam, LLC	Liberty	Marias River	--	2004	7.5
Lake Creek	CSKT	Lincoln	Lake Creek	--	1917	4.5
Bigfork	Pacificorp	Flathead	Swan River	--	1910	4.2
Flint Creek Dam	Granite County	Granite	Flint Creek	--	1901	2.0
South Dry Creek Dam	Hydrodynamic	Carbon	South Dry Creek	--	1985	2.0

Table Summary: This table lists all the hydroelectric dams in Montana.

28 *Montana Energy Office.*