

State of Minnesota Public Utilities Commission
Informational Smart Grid Workshop
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Municipal 'microgrids' in Minnesota

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'PUBLIC POWER' in Minnesota

- 125 municipal electric utilities
- Serve 360,750 customers
- Average size: 2,941 customers
- Median: 1,268 customers



Minnesota municipal electric & gas utilities



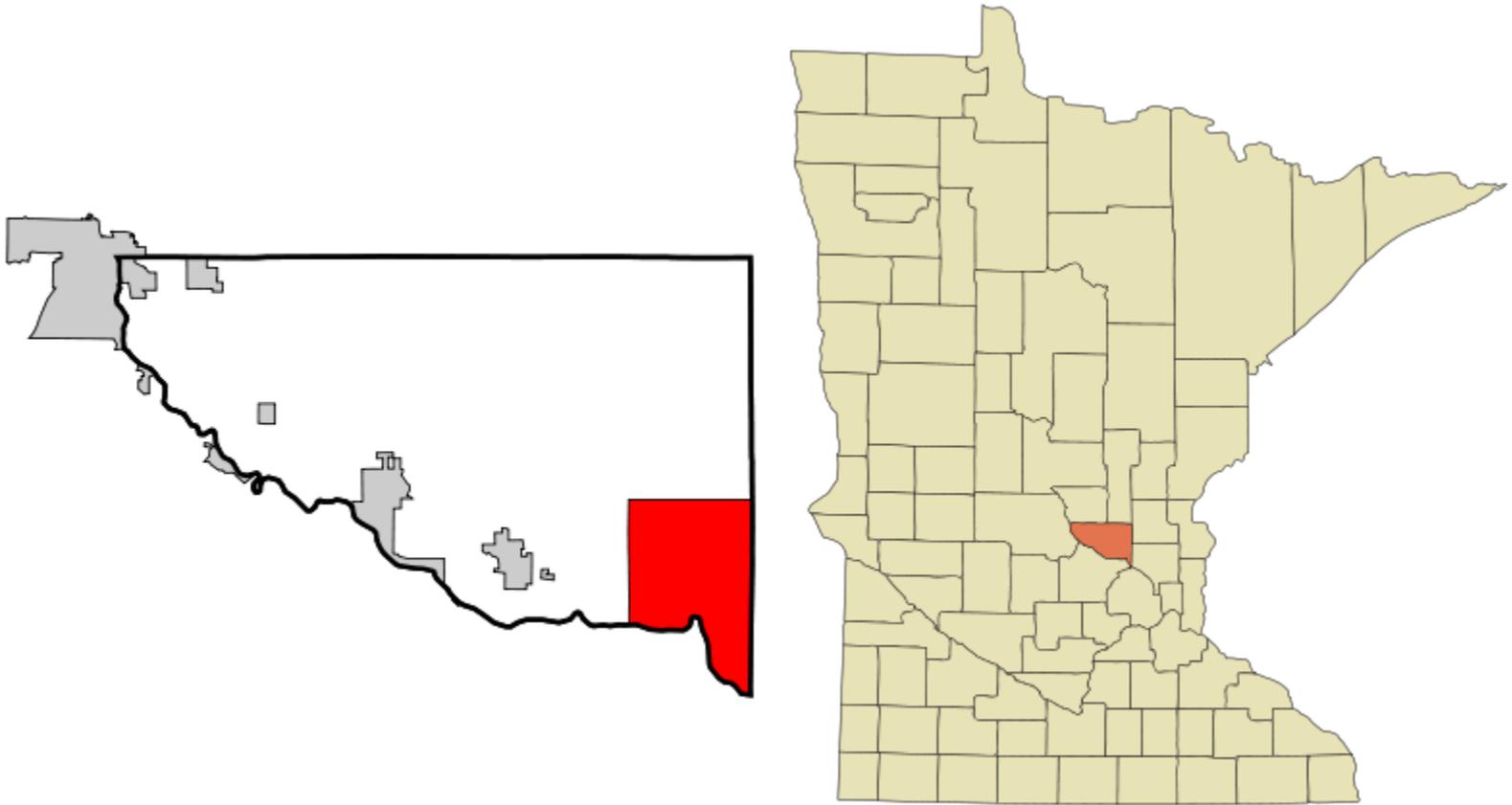
Minnesota municipal electric utilities



Minnesota
municipal
utilities
with
generation

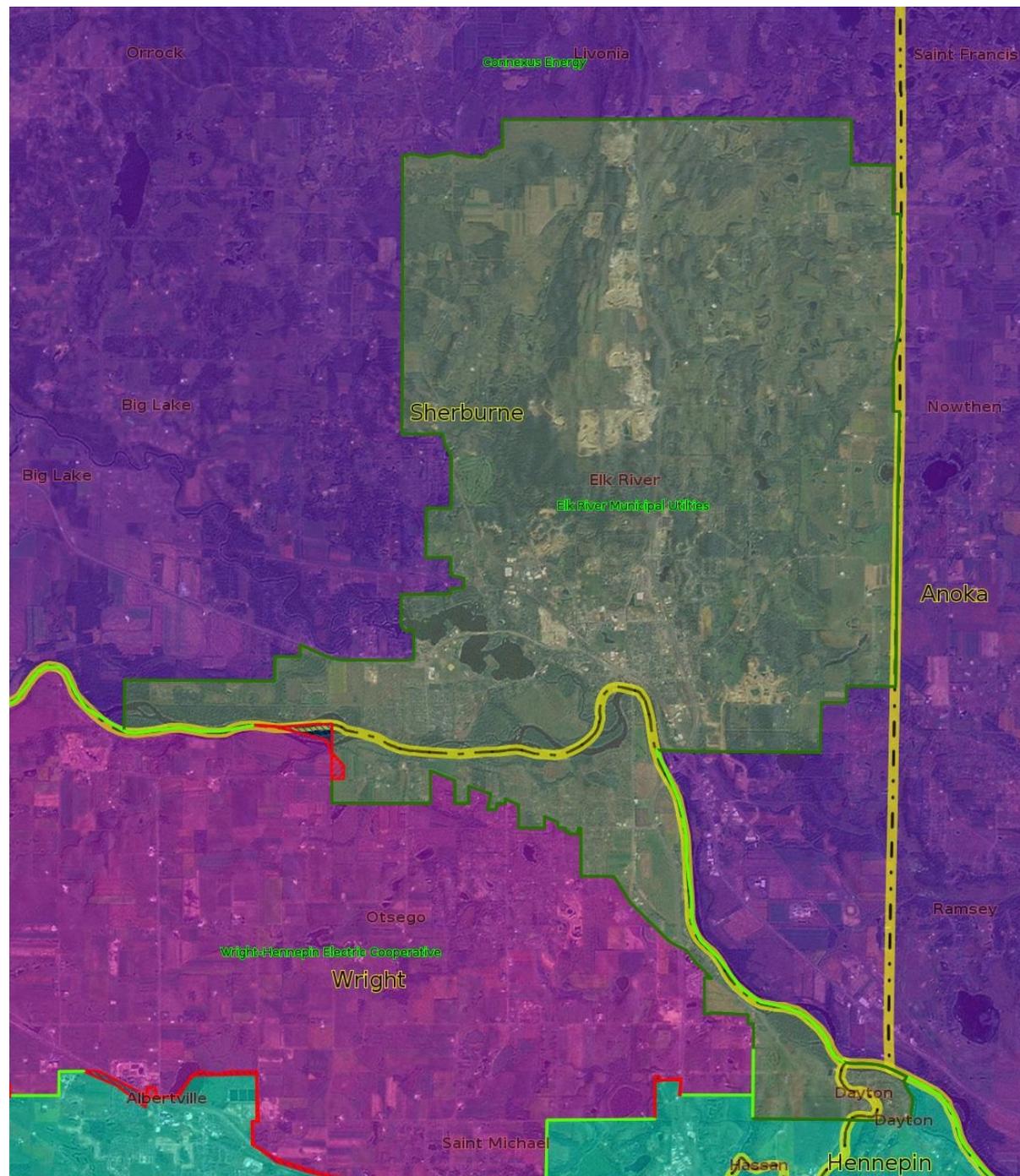
Elk River is the county seat of Sherburne County, MN

The 2012 population was 23,147



Elk River Municipal Utilities

- Serve over 9,300 electric customers in Elk River, Otsego, Big Lake Township, and Dayton
- Over 44 square miles of electric service territory
- 2013 system peak over 61MW



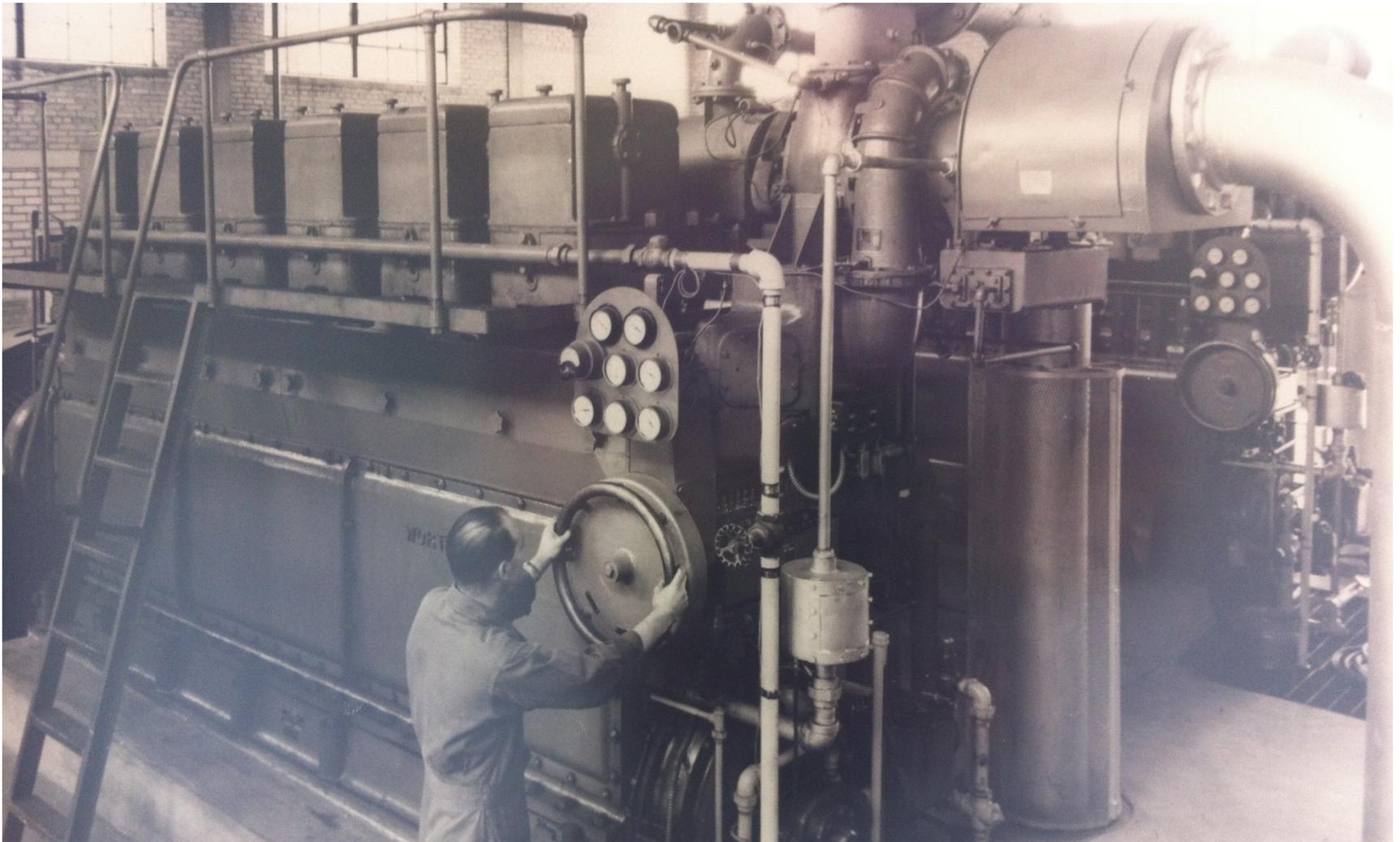
Elk River Power and Light Company

Incorporated June 1915



Elk River Municipal Utilities

Became PUBLIC POWER on October 4, 1945



Elk River Municipal Utilities' Diesel Power Plant is currently contracted as emergency capacity with Great River Energy



The 2 original 1948 “black start” 550kW Worthington diesel generating units are still in good working condition



The Elk River Municipal Utilities diesel power plant also includes a 1962 dual-fuel 2,500kW Cooper (front) and a 1971 dual-fuel 5,000kW Worthington (back)



In 2002 Elk River Municipal Utilities installed three 800kW Caterpillar generating units at the Elk River Landfill



A 4th 800kW Caterpillar generating unit was installed at the Elk River Landfill in 2006

