

Strong, reliable service

Associated Electric Cooperative Inc.

A Touchstone Energy® Cooperative



Power supply facts

AECI's diversified resources ensure reliable service

Associated Electric Cooperative uses a mix of generation resources to supply reliable, economical electricity to member systems.

AECI's resources include two coal-based plants and three combined-cycle natural gas plants that produce reliable, affordable power, as well as three peaking gas plants that provide power when demand rises on cold winter or hot summer days. Our energy efficiency program is a major factor that plays into the affordable power members receive.

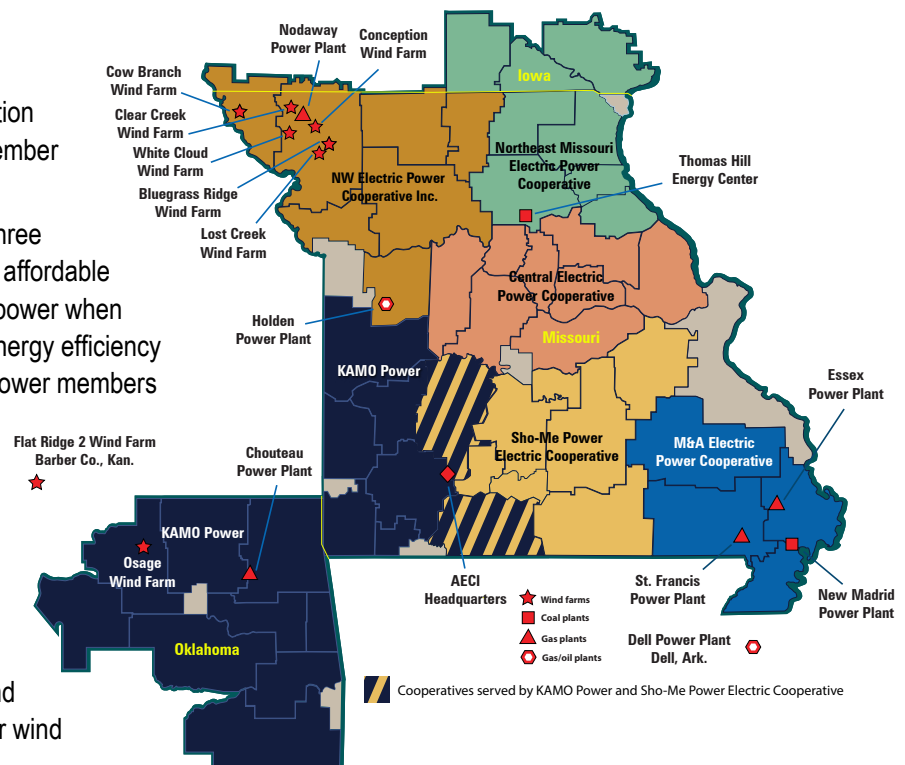
AECI also has contracted power sources, including hydropower and wind energy. The cooperative's long-term commitment to buy all the wind power, along with its transmission lines and member-consumers, made the first utility-scale wind farms in Missouri a reality. Associated has long-term agreements for 300 MW from a wind farm in Kansas and 150 MW from the Osage Wind Farm in Oklahoma that provide geographical diversity for wind energy.

In 2020 Associated added 471 MW of wind energy in northwest Missouri. This complements Associated's existing contracted wind energy, bringing the total to about 1,240 MW of nameplate capacity.

Associated sells and does not retain or retire all of the environmental attributes of energy generated by its contracted wind facilities. This brings in revenue that helps keep members' electricity affordable. Associated also offers a green power program to its members.

AECI's integrated transmission system provides reliability to members

The integrated transmission system owned by Associated and its member systems consists of more than 10,000 miles of line, as well as related substations. This transmission system enables Associated to reliably serve members and transact power purchases and sales for the benefit of its owner systems.



Coal generation:

New Madrid Power Plant – 1,200 MW
Thomas Hill Energy Center – 1,153 MW

Intermediate generation:

Chouteau Power Plant – 1,062 MW
Dell Power Plant – 580 MW
St. Francis Power Plant – 501 MW

Peaking generation:

Essex Power Plant – 107 MW
Holden Power Plant – 321 MW
Nodaway Power Plant – 182 MW

Contracted generation

Hydropower

Southwestern Power Administration – 478 MW

Wind: 1,240 MW total capacity

Bluegrass Ridge – 50 MW contracted
Conception – 50 MW contracted
Cow Branch – 50 MW contracted
Flat Ridge 2 – 300 MW contracted
Lost Creek – 168 MW contracted
Osage – 150 MW contracted
Clear Creek – 235 MW contracted
White Cloud – 236.5 MW contracted