America's Electric Cooperatives

From booming suburbs to remote rural communities, America's electric cooperatives are energy providers and engines of economic development. Electric cooperatives play a vital role in transforming communities.

Power 56% of the nation's landmass.

Own and maintain

42%

(2.6 million miles)
of U.S. electric
distribution lines that
serve our communities.

Power over

20 million

businesses, homes, schools and farms in 48 states. Serve

42 million

people across

2,500+

U.S. counties.

834 distribution cooperatives are the foundation of the electric cooperative network. They were built by and serve co-op members in the community with the delivery of electricity and other services.

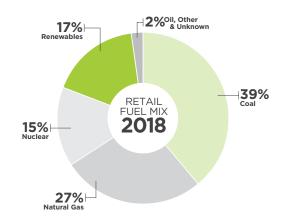
63 generation & transmission cooperatives provide wholesale power to distribution co-ops through their own electric generation facilities or by purchasing power on behalf of the distribution members.



Electricity use and energy mix

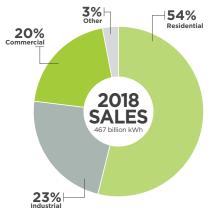
Co-ops use advanced communications and automation technology to improve reliability and efficiency while reducing environmental impacts by growing the use of renewable resources.

Note: Non-hydro renewables includes owned and directly purchased generation, plus generation in the mix from wholesale market purchases and do not reflect renewable credits.



Source: NRECA Research

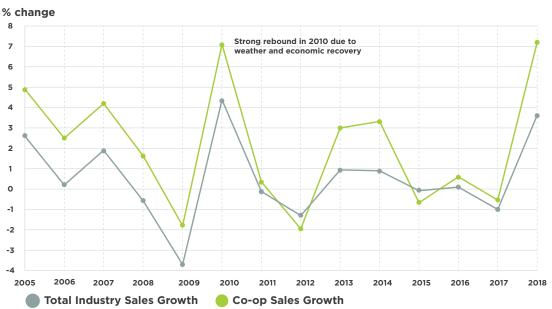
- Co-ops added 281,000 new members in 2018.
- 85% of electric co-ops had a net increase in members in 2018.
- Electricity sales at co-ops increased more than 7% in 2018, with co-op retail sales reaching 467 billion kilowatt-hours.
- Residential sales increased 9.3%, commercial sales increased 3.5% and industrial sales increased 6.2%.



Source: RUS and CFC Form 7 data (excludes sales for resale)

Co-op Sales Growth Normally Outpaces the Industry

Co-op sales growth rates generally surpass that of the total electric utility industry as a whole. In 2018, extreme weather caused sales to soar, especially for co-ops whose sales are more heavily residential than the industry as a whole.



co-ops
generate
5%
of total U.S.
electricity

deliver
12%
of all U.S.
electricity

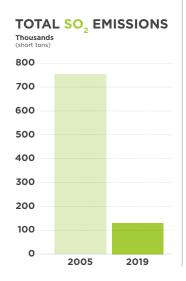
Source: EIA Form 861 data; NOAA National Climate Reports

Cleaner air

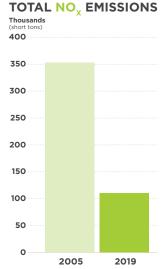
Cooperatives are meeting member expectations by reducing emissions through a combination of emission-reduction measures at power plants and fuel switching to natural gas and renewables.

Co-ops have:

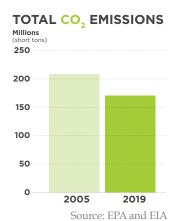
Reduced **sulphur dioxide** emissions 82.8% from 2005-2019.



Reduced **nitrogen oxide** emissions 68.8% from 2005-2019.



Reduced **carbon dioxide** emissions 18.1% since 2005.

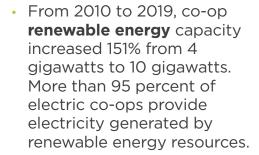


... and jump starting renewable energy growth









- Co-ops also purchase 10 gigawatts of hydropower from federal power marketing administrations.
- Electric co-ops have plans to add 6 gigawatts of new renewable capacity from 2020-2023, including more than 4 GW of additional solar capacity.
- More than 475 co-ops in 33 states use enough wind energy to serve 2 million homes.

Cooperative solar is skyrocketing

Solar Capacity (megawatts AC)



NOTE: Co-op solar capacity owned or purchased under contract

Electric cooperatives are economic engines in their communities



In 2017, electric cooperatives supported 611,600 American jobs

- 68,200 electric co-op jobs
- 97,600 contractor jobs
- 170,900 supplier jobs
- 274,900 consumer spending jobs

\$88.4 billion to the U.S. GDP annually





generated more than **\$22 billion** in federal, state and local taxes

invested \$12 billion annually in local economies



Source: The Economic Impact of America's Electric Cooperatives, FTI Consulting, March 2019

The cooperative difference

Electric co-ops are local energy and technology providers. They are shaped by the specific needs of the communities they serve. This local, member-driven structure is one reason why cooperatives enjoy the highest consumer-satisfaction scores within the electric industry, according to J.D. Power and Associates and the American Consumer Satisfaction Index.

- Electric cooperatives are built by and belong to the communities they serve.
 They are led by members from the community and are uniquely suited to meet local needs.
- In 2018, America's electric co-ops returned more than \$1.2 billion in capital credits to their consumer-members.
- Co-ops earned the top spot in the J.D. Power and Associates 2017 Electric Utility Customer Satisfaction Study.
- Electric cooperatives, on average, score three points higher than all other electric companies, according to the 2017 American Consumer Satisfaction Index.

Source: NRECA

