



# a glance back at 2019

## History of Service

- Incorporated in 1946
- Owned by 35,289 members
- Service to nearly 44,800 meters throughout Interior Alaska, including Fairbanks, Delta Junction, Nenana, Healy and Cantwell
- Averages 14 consumers per mile of line
- 3,282 miles of power lines
- 35 substations, including one mobile
- 9 generating facilities
- 381.5 megawatts of capacity
- 5,973 square mile service territory
- 271 full-time employees

## Commitment to Reliability

- Reliability of 99% during 2019
- The BESS responded to 49 events in 2019, preventing approximately 252,300 outages; this equates to an average of 5.4 prevented outages per meter

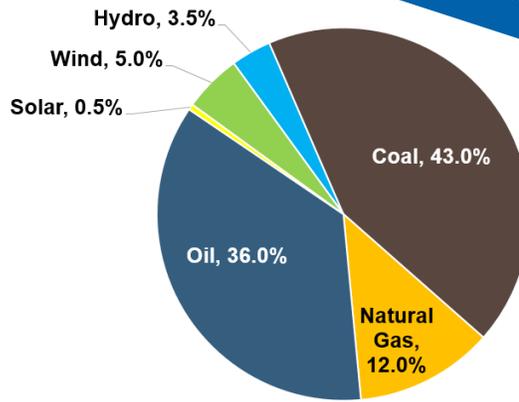
## Commitment to Community

- Nearly 70% of GVEA members participate in the Goodcents roundup program
- Since 2011, a total of \$1,069,882 in Goodcents grants have been awarded to non-profits within GVEA's service area
- Eight academic scholarships awarded each year to students with ties to GVEA
- Top Business Supporter of the United Way of the Tanana Valley

## Board Members

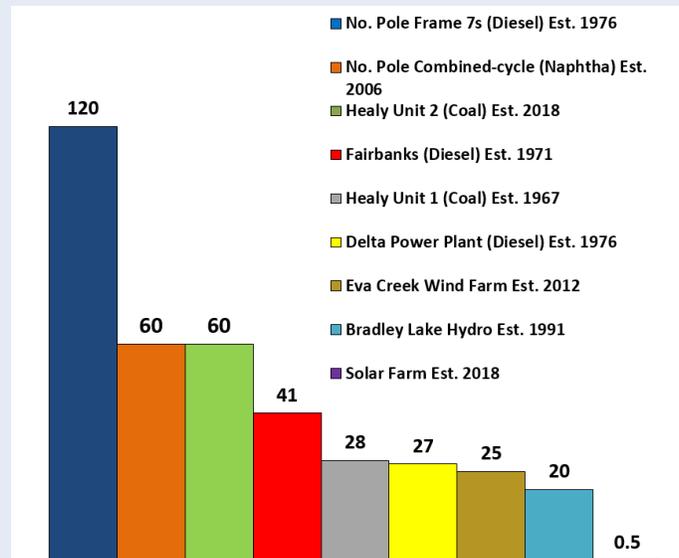
- District 1: David Messier, Treasurer
- District 2: Tom DeLong, Chairman
- District 3: Rick Solie
- District 4: Gary Newman
- District 5: Chris Bunch
- District 6: John Sloan, Vice Chairman
- District 7: Bill Nordmark, Secretary

**Our Mission:** *Recognizing GVEA's importance to the economic, environmental and social viability of our communities, the Cooperative's mission is to safely provide its member-owners with reliable electric service, quality customer service and innovative energy solutions at fair and reasonable prices.*



## 2019's Fuel Diversity

## GVEA Generation Facilities (in megawatts)



## GVEA's Renewables

### Eva Creek Wind Farm

- Full commercial output: January 7, 2013
- Capacity: 24.6 megawatts
- 12 Senvion cold-climate turbines
- 2019 capacity factor: 28%
- In 2019, 60,078,000 kilowatt-hours were contributed to GVEA's grid. That's enough to power 8,752 Interior homes (using an average of 572 kWh per month) for a year.

### Solar Farm: 2nd Largest in Alaska

- Full commercial output: October 4, 2018
- Capacity: 563 kW Solar PV System
- Each of the 1,760 panels will generate 320 watts
- 367.57 megawatts of energy was produced in 2019
- Peak-energy day was July 22, 2019, with 2,975 kWh generated

### SNAP - GVEA's Renewable Energy and Net Metering Program

- 317 members are SNAP producers, an increase of 66 from 2018
- 95% of SNAP production is from solar energy
- 2019 produced 1 million+ kWhs (April 2019 - March 2020)

# a glance back at 2019



- *Incorporated in 1946*, Golden Valley Electric Association took shape when a small group of Alaskans became interested in bringing electric service to the Interior's more rural areas. These pioneers applied to the Rural Electrification Administration, which granted a loan to form a not-for-profit rural electric cooperative.
- Annual kilowatt-hour sales in 2019 were *1.1 billion*. The average residential member consumed 572 kWh per month.
- Peak load in 2019 was *194.7 megawatts*, which was set at 5pm on December 20 (temperature was -31° F). The system peak of 223 MW was set in December 2007.
- GVEA operates and maintains *3,282 miles of transmission and distribution lines* and 35 substations, including one mobile substation. The system is interconnected with Fort Wainwright, Eielson AFB, Fort Greely, the University of Alaska-Fairbanks and all electric utilities in the Alaska Railbelt, which extends from Homer to Fairbanks.
- Energized in Oct. 2003, the 97-mile, 230-kilovolt Northern Intertie, from Healy to Fairbanks, helps GVEA maintain reliability. Additionally, GVEA is the northern control point for the Anchorage/Fairbanks Intertie, which serves most Railbelt communities. Both interties allow GVEA to augment its 381 MW generation capacity with an additional *70 MW from the Anchorage area*.
- GVEA supports renewable power. SNAP, GVEA's renewable energy program, was launched in 2005. In 2010, *SNAP Plus* became GVEA's net metering program. Currently, a total of 317 renewable energy producers participate in the SNAP program, of which 95 percent of capacity comes from solar.
- One of the world's most powerful energy storage system in terms of megawatt output belongs to GVEA. The Battery Energy Storage System (BESS), came online in November 2003. It can provide *27 megawatts of electricity for 15 minutes* or up to 40 MW for less time.



GVEA's mobile substation.



- GVEA's *Home\$ense Audit program* helps residential members save energy (and money) by assessing the energy usage and electrical efficiency of their home. For more information, visit: [www.gvea.com/save](http://www.gvea.com/save).

- Goodcents kicked off in March of 2011. Nearly *70 percent of the co-op membership contributes monthly* to the bill roundup program. A separate board of trustees reviews applications and awards grants to non-profit organizations in need. Since 2011, a total of \$1,069,882 in Goodcents grants have been awarded. For a complete list of Goodcents recipients or to access an application, visit: [www.gvea.com/goodcents](http://www.gvea.com/goodcents).

