



FAST FACTS

A GLANCE BACK AT 2022

HISTORY OF SERVICE

- Incorporated in 1946
- Owned by 36,176 members
- Service to 45,301 meters throughout Interior Alaska, including Fairbanks, Delta Junction, Nenana, Healy and Cantwell
- Average of 11 members per mile of line
- 3,292 miles of power lines
- 35 substations, including one mobile
- Nine generation facilities
- 381.5 megawatts of capacity
- 6,440 square miles of service territory
- 276 full-time employees

BOARD OF DIRECTORS

- District 1: David Messier, Treasurer
- District 2: Tom DeLong, Chair
- District 3: Rick Solie
- District 4: Gary Newman, Secretary
- District 5: Chris Bunch, Vice Chair
- District 6: Fred Sheen
- District 7: Todd Adams

SUSTAINABLE

Eva Creek Wind Farm

- Capacity: 24.6 megawatts
- 12 Senvion cold-climate turbines
- 2022 capacity factor: 22.7%
- In 2022, 49,499,127 kilowatt-hours were contributed to GVEA's grid; that's enough to power 6,875 Interior homes for a year*

Fairbanks Solar Farm

- Capacity: 563 kW Solar PV System
- Each of the 1,760 panels can generate up to 320 watts
- 451,794 kilowatt-hours were contributed to GVEA's grid; enough to power 62 Interior homes for a year*
- Peak-power day was May 24, 2022, with 389 kW output

*Using an average of 600 kWh per month

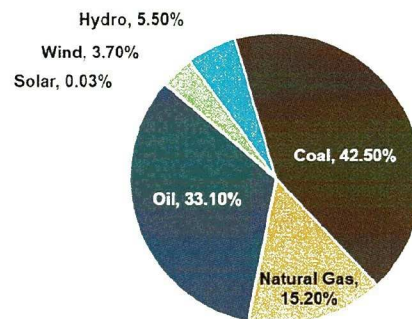
RELIABLE

GVEA's reliability was over 99.9% in 2022. The Battery Energy Storage System, or BESS, responded to 76 events this year, preventing approximately 386,235 outages; this equates to an average of 8.5 prevented outages per meter.

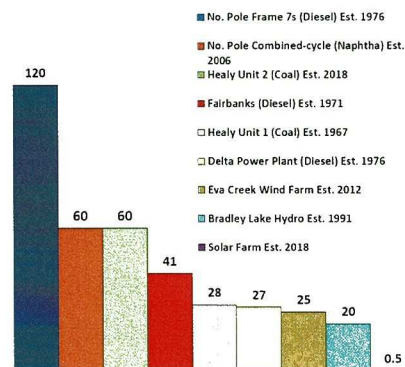
RESPONSIBLE

- Currently, 66% of GVEA members participate in the Goodcents roundup program
- Since 2011, a total of \$1,535,294 in Goodcents grants have been awarded to non-profits within GVEA's service area
- Eight academic scholarships are awarded each year to students in GVEA's service area
- Over the last year, GVEA donated \$60,000 to United Way of the Tanana Valley

2022 FUEL DIVERSITY



GVEA GENERATION FLEET



Peak load was 205.5 megawatts, which was set at 5pm on December 20, 2022 (temperature was -31 F). The system peak of 223 MW was set in December 2007.

In June 2022, after approximately 18 months of analysis, evaluation and deliberation amongst GVEA staff, management, board members and consultants, GVEA's Board of Directors adopted a Strategic Generation Plan.

The goal of the Strategic Generation Plan is to stabilize and ultimately lower the cost of electricity to members and significantly reduce carbon emissions without sacrificing reliability.

The Strategic Generation Plan consists of five main objectives:

- Install emission reduction equipment (Selective Catalytic Reduction) on Healy Unit 1
- Systematic retirement of Healy Unit 2 by December 31, 2024
- Integration of large-scale wind
- Installation of a battery energy storage system
- Securing 30-50 megawatts of base load energy up the Intertie from southcentral

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 381.5 megawatts generation capacity with up to 75 megawatts of natural gas generation and hydroelectric generation from South Central area.

GVEA's system is interconnected with Fort Wainwright, Eielson Air Force Base, Fort Greely, Clear Space Force Station and all electric utilities in the Alaska Railbelt, which extends from Homer to Fairbanks.

Goodcents kicked off in March 2011, and today 66% of the co-op membership contributes monthly to the bill roundup program. An independent board of trustees reviews applications and awards grants to non-profit organizations in need. Since 2011, a total of \$1,535,294 in Goodcents grants have been awarded. For a complete list of Goodcents recipients or to access an application, visit:
www.gvea.com/goodcents-program.



SNAP, GVEA's renewable energy program, launched in 2005. In 2010, SNAP Plus became GVEA's net metering program. Currently, a total of 707 renewable energy producers participate in the SNAP program, of which 99% of production comes from solar. 2022 SNAP and SNAP+ production totaled 2.65 million kilowatt-hours.

A total of 1.24 billion kilowatt-hours were sold in 2022. GVEA's average residential member consumed 600 kilowatt-hours per month.