GreenPower PROGRAM

SUMMER 2023
NEWSLETTER

Creating Lasting Toys with Lasting Resources

LOVEVERY

Lovevery was founded on a passion for sustainability. Their goal is to make children's toys that last through generations, and as a certified B Corp, they believe in using business as a force for good.

That's why they joined the Idaho Power Green Power program – to not only support, but also encourage, maximum investment in renewable energy in our region. On average, Lovevery purchases about 94,200 kWh of green power per year, which is enough energy to power their Boise headquarters and their Idaho warehouse operations.

Lovevery Group VP of Operations John Tansey says it's important for them to be thoughtful in every step of their business. For instance, all the wood used to create their toys is sustainably harvested, meeting the Forest Stewardship Council certification standard. And if a customer loses a part of their toy, Lovevery will replace it – ensuring everything they make has a long lifespan.

Beyond their durable toys, Lovevery takes several steps to ensure they're a sustainable company. After a 2022 warehouse transition, they saved over one million transport miles annually, and they've reduced their emissions footprint by approximately 35%. Emissions generated from all customer shipments – from warehouse to home – are offset with premium carbon credit projects. To further reduce emissions, they offer employees a monetary incentive to use alternative forms of transportation to commute to the office.

And they're not the only ones using renewables to support this business – their partners do, too. Their largest manufacturer currently obtains 53% of their energy from solar power, with a goal to be powered by 100% renewable energy by 2026.

"I would recommend [the Green Power program] to others," Tansey said. "You make the biggest difference by investing in your own community. You should look to act locally first, then move out from the center of the circle to make an impact regionally, nationally and globally."

Pairing Large-Scale Solar* with Batteries

Utility-scale solar facilities and battery storage are becoming important tools for Idaho Power as we work to keep energy reliable and affordable while demand for electricity continues to grow rapidly.

Construction is underway on Idaho's first utility-scale energy storage installations, which began coming online this summer. Projects include an 80-megawatt (MW) battery energy storage system in Owyhee County, and a 40-MW battery energy storage system near the 40-MW Black Mesa solar project in Elmore County.

Combining batteries with large-scale solar enables the batteries to continue delivering energy to the grid when solar production drops off while customer demand remains high.

Those peak periods, typically hot summer afternoons and evenings when irrigation pumps and air conditioners increase the demand for electricity, are what drives the need for new energy resources.

Continued on back

IDAHO POWER

Solar 4R Schools

Nampa High School (NHS) is the latest recipient of the Solar 4R Schools grant.

Funded by Green Power Program participants and administered by Idaho Power, Solar 4R Schools teaches local students about renewable energy by placing solar installations on school property, along with a data-monitoring system and corresponding curriculum package.

Thank you to the NHS student Earth Club president who encouraged their school administrators to apply, and thanks to all of you for supporting Green Power and Solar 4R Schools.

"I believe the biggest benefit for the students is to see there are alternative energy sources, even if our building is 80 years old. They see that we can be responsible for our environment and that we all can make a difference."

– Susan Schroer, NHS Science Teacher

NAMPA HIGH SCHOOL

To learn more about Solar 4R Schools, visit idahopower.com/solar4Rschools.

Where did your Green Power come from in **2022**?

Last year, Green Power was 50% wind and 50% solar sourced from facilities in Idaho and Oregon. To see the names of the specific facilities view our Green Power Resources webpage.

Idaho Power's Green Power Product Content Label

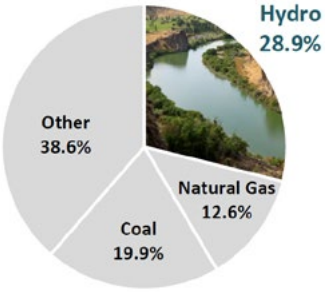
This label is part of our Green-e® Energy certification and is provided to participants each year. The label shows the anticipated green power sources for this year and the actual sources for last year.

100% Green-e® Energy Certified New[1] Renewables	
Product Content Labels:	**Energy Resource Mix and Generation facilities' locations:**
2023 Prospective[2] (Planned) Supply	95% Wind and 5% Solar from Idaho, Oregon or Washington facilities
2022 Historical[3] (Actual) Supply	50% Wind and 50% Solar from Idaho and Oregon facilities

1. New renewables come from generation facilities that first began commercial operation within the past 15 years.
2. Prospective figures reflect the renewables that we plan to provide for the current year, but actuals may vary based on resource supply. The current year's actual figures will be reported by August next year in the Historical column.
3. Historical figures reflect the actual renewables provided to Idaho Power's Green Power customers last year.

How does Green Power compare to the standard energy mix?

Idaho Power's 2022 mix of resources supplying Idaho Power customers included: hydroelectric (28.9%), coal (19.9%), natural gas (12.6%) and other (38.6%).



How is green power sold?

Green power is sold in blocks of 100 kilowatt-hours (kWh) or matches 100% of your energy (kWh) use. As of 2022, the average home in Idaho Power's service area uses about 950 kWh per month. For the average home, the 100% Option would add an average of $9.50 to the monthly bill to use 100% renewable energy. As an example of the Block Option, the home could use 5 blocks of green power to cover over half of the home's energy use for an extra $5.00 each month.

Green-e Energy CERTIFIED

Green Power is Green-e® Energy certified and meets the environmental and consumer-protection standards set forth by the nonprofit Center for Resource Solutions. Learn more at green-e.org.

Batteries and Solar (cont.)

Current battery energy storage systems are designed to discharge their capacity over a four-hour period. For example, a 40-MW battery can deliver 160 megawatt-hours (40 MW X 4 hours). That's enough to power more than 5,000 homes during those peak demand periods.

Idaho's largest solar farm, the 120-MW Jackpot Solar project south of Twin Falls, came online in December. A second solar project, 100-MW Franklin Solar, is planned for the same area. It is scheduled to come online in 2024, pending approval from the Idaho Public Utilities Commission. Franklin will also include a 60-MW, four-hour duration battery energy storage system.

*Idaho Power sells the renewable energy certificates (REC) associated with renewable energy, so renewable energy is not delivered to customers in the standard energy mix. Proceeds from REC sales offset power supply costs, which helps keep customer prices low. Green Power Program participants have opted to use renewable energy for an extra penny per kilowatt-hour.

Green Power Impact

2023 MIDWAY CHECKPOINT

Jan. 1–June 31 kilowatt-hours: 20,052,744

Equivalent to:

3,028 vehicles removed from the road

OR

15,497 tons of CO_2 avoided

OR

16,643 acres of U.S. forest absorbing CO_2 for one year

Source: U.S. EPA Greenhouse Gas Equivalencies Calculator and eGrid database release date 01/30/23.

For questions about the Green Power Program, contact:

Idaho Power
Green Power Program
P.O. Box 70
Boise, Idaho 83707

1-800-632-6605
greenpower@idahopower.com