



Evolving Energy

What's New in Renewable Energy?

Winter 2019



Trees 864,395
Cars 11,099
Miles 127,814,172



Thank you to all of our Buck-a-Block subscribers! Last year your dollars helped to significantly offset greenhouse emissions and had the equivalent effect of growing more than 864,000 tree seedlings for ten years, removing over 11 thousand passenger vehicles from the road, or eliminating over 127 million miles driven.

You and more than 3,700 other customers partnered to support more renewable

energy on the grid with your Buck-a-Block dollars. In 2018, Avista bought more than 73,900 RECs on your behalf, which helped to fund projects like the 400-MW Klondike Wind Farm in Northern Oregon.

In total, a wind-power project such as this can typically generate enough power for more than 115,000 homes.

Thinking about going solar?

Our many solar incentives may be winding down or expiring, but that doesn't mean rooftop solar isn't right for you. If you've thought about adding solar to your home or business, but aren't sure about your options or costs, check out Avista's Solar Estimator on our website. Available to all Avista electric customers, this tool can give you a preview of estimated costs and benefits based on your electric use, location and roof slope, and shading.

Also see a list of qualified solar contractors serving our community by using our Find-a-Contractor tool online. Avista recommends following the BBB guidelines of securing multiple bids. If you still have questions, give us a call. We are happy to help you explore your options and provide additional information and support.



Clean Energy Future

Did you know that the energy you receive today is more than 50 percent clean? That's right! Thanks to its abundant hydropower, used in combination with wind, solar and biomass, Avista is listed as one of the cleanest utilities in the country. We are also working to gradually integrate more clean, renewable resources while staying diligently committed to affordable, reliable service. Learn more about Avista's clean energy future at myavista.com/greener.

The charge toward clean transportation.

Thank you to our local EV Charger pilot partners.

Over 300 customers, local organizations and municipalities participated in the success of Avista's electric vehicle charger pilot program.

Colvico, Inc.
 GEM Electric NW, Inc.
 Spokane Transit Authority
 Washington Trust Bank
 Town of Rosalia
 City of Liberty Lake
 City of Colville
 Port of Clarkston
 Town of Garfield
 City of Palouse
 City of Pullman
 City of Spokane
 Spokane Regional Health District
 Transitions for Women
 Whitworth University
 Gonzaga University
 Washington State University
 300+ residential and commercial customers!

Electrification of the transportation sector is about creating a better energy future with less expensive, cleaner and more sustainable options. Last June Avista completed a 3-year pilot program to understand the economic and environmental benefits of clean transportation as well as how electric vehicles (EVs) will affect the power grid and how Avista may best serve all customers' power needs as the transportation sector becomes electrified.

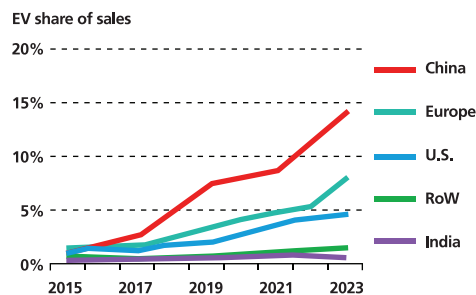
During the pilot program, a total of 439 EV charging ports (including 7 DC fast chargers) were installed in a variety of residential, workplace and public locations in eastern Washington. Installation of the chargers correlated to an increased rate of EV adoption in the region which has now caught up with the state average.

Data obtained from the program showed that substantial economic and environmental benefits may be realized

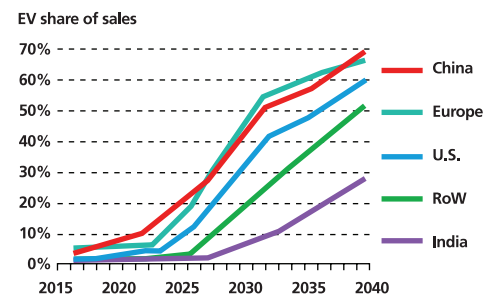
from electric transportation, as the cost of driving an EV is equivalent to gasoline being less than \$1 per gallon and it reduces vehicle emissions by 80%. The pilot further showed that the grid impact of light-duty EVs should be manageable over the next decade and provide beneficial utility revenue that could help keep energy rates low, especially if more EV charging is completed during off-peak times of the day and night.

Avista is committed to supporting electric transportation for the benefit of all customers and is now in an excellent position to propose new programs following the pilot. If you have questions or suggestions, please email electrictransportation@avistacorp.com. You'll also find more information on our website, at myavista.com/transportation. For detailed information and a list of public charger locations, visit plugshare.com.

Global short-term passenger EV adoption by region



Global long-term passenger EV adoption by region



According to Bloomberg NEF, EV sales are projected to reach 35% of U.S. sales in the next decade, with growing adoption worldwide.

Look for the Solar Select window cling and wall plaque at area businesses who are participating in the Solar Select program.



Harvesting the sun with Solar Select.™

Adam's county is now home to Washington State's largest solar array, which has more than 81,000 solar panels and will produce enough electricity to offset the electric usage of 4,000 homes! In terms of offsetting greenhouse gas emissions, the array has the effect of removing more than 7,200 passenger

vehicles from the road for one year (over 1 million miles driven), which equals over 4.3 billion smartphone charges! Currently, the array is the source for Avista's Solar Select program, which offers a new way for commercial and industrial customers to purchase and use green energy.