

# The Future of Energy

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### How did we get here

## Where are we **NOW**

# Where are we heading?

### How did we get here?

1977	Established Itron
1983	First biomass plant in US to generate electricity from wood waste
1991	Developed first client-server CIS
1995	Established Ecova (sold to GDF Suez)
1996	Established Avista Labs/Reli-On fuel cell company (sold to Plug Power)
2001	Developed the first GIS based OMS
2009-13	Three ARRA smart grid grants
2015	Largest vanadium flow battery in





#### Where are we now?



Electric Electric Natural Gas Electric and Natural Gas







## How much of Avista's electricity comes from hydropower generation?

A. 25%
B. 73%
C. 48%
D. 97%





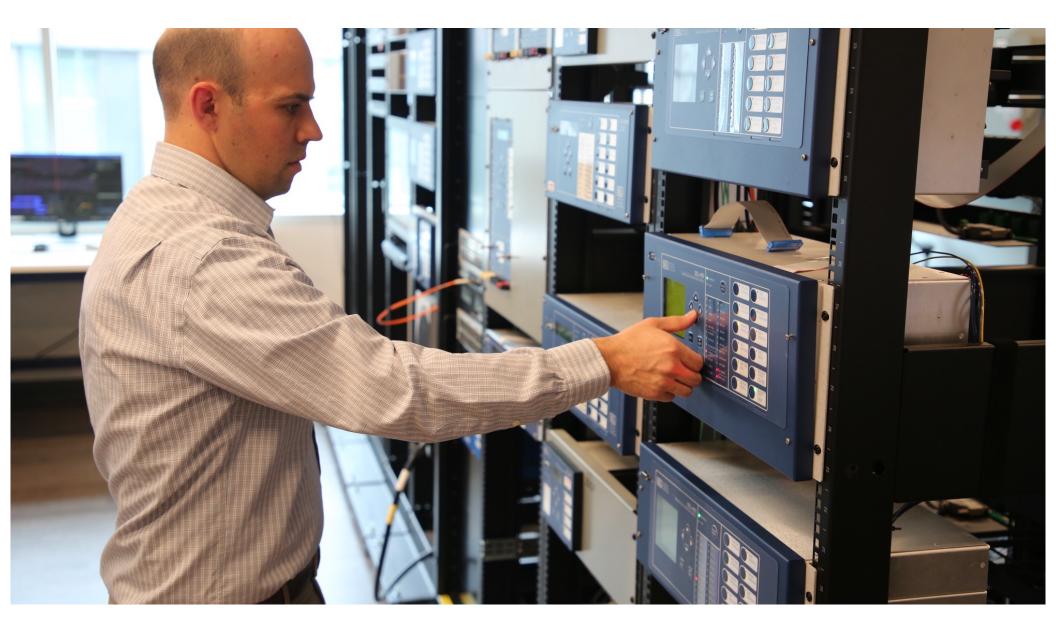


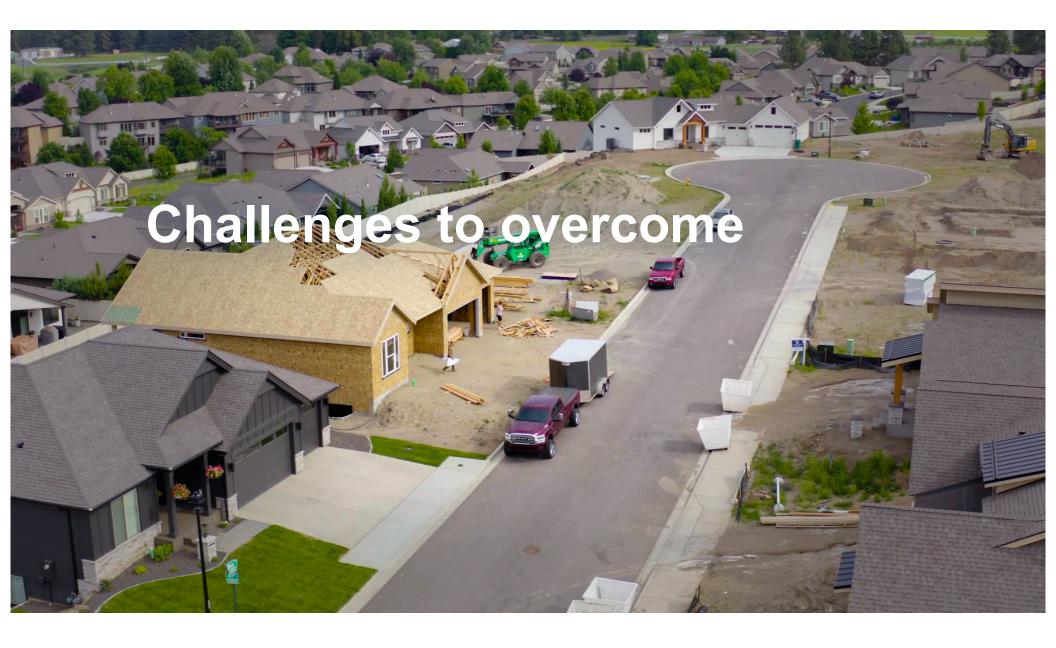




### Where are we heading?







2

In the 1970's, the cost to install a new transformer in a substation was approximately \$63,000.

CORRECT

Today, how much does a new substation transformer cost?

A. \$170,000B. \$500,000C. \$63,000

D. \$772,000





#### Efforts to ban natural gas

3

How many square miles would it take to build enough solar resources to electrify 80% of our current WA and ID gas customers?

A. 20 sq. miles
B. 75 sq. miles
C. 440 sq. miles
D. 167 sq. miles

CORRECT



### **Opportunities for customers and community**

Charles

### Next steps. We're here to help.

