

Manager's Message

As Idaho Falls Power moves from testing technology associated with the Pacific Northwest Smart Grid Demonstration Project to analyzing data and making plans for continued grid modernization, our customers will start seeing some exciting enhancements to service, efficiency, and reliability.

In this newsletter, we share some of the findings from our participation in the project with you. At the time of newsletter publication, we are completing integration of our new meter technology with an outage management system so that meters are able to notify us that they have lost power – even if you are not home. This will improve our response time and our ability to troubleshoot widespread outages.

We are in final testing stages of a web portal that will enable customers to access their energy use data – once testing is complete we will invite interested customers to set up their account. Having access to electric consumption data will enable you to change how you use electricity and save you money.

These are just a few of the doors that have been opened by improving technology. We look forward to being better equipped to serve you with the enhanced systems.

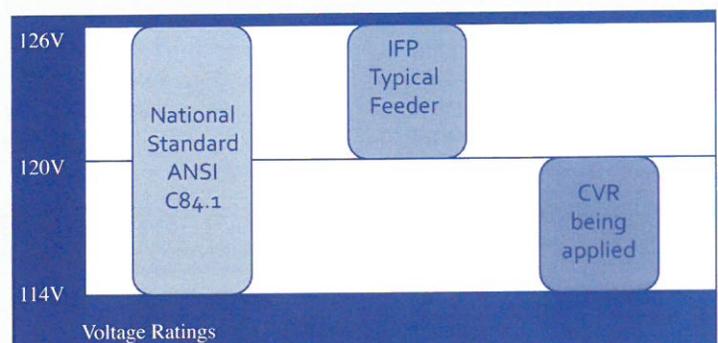
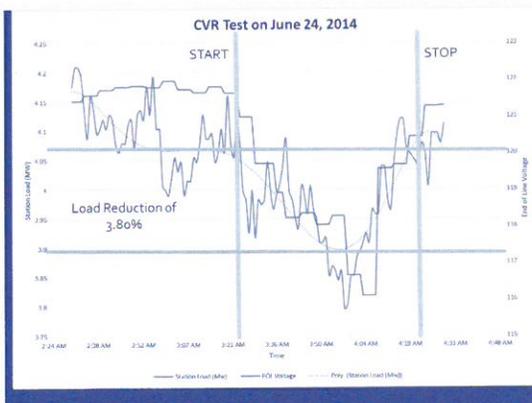
Pacific Northwest Smart Grid Demonstration Project update

Smart Grid findings

IFP is analyzing data from its participation in the Pacific Northwest Smart Grid Demonstration Project. These findings will drive grid modernization improvements in our system for the next few years. Here's a glimpse into some of the findings:

Conservation Voltage Reduction

The Conservation Voltage Reduction (CVR) project called for testing technology built to better monitor voltage levels along power lines within the city, eliminating waste. Over a nine-day period, operators recorded voltage and load at one of the city's 12 substations as well as at the end of the distribution line out of that substation – every minute during a two-hour period each day when load was most stable. They also recorded wind speed and temperature. The study found that voltage could be reduced by 3.8 percent and that CVR could be used to great effect – if the strategy were used to reduce energy on one feeder line alone, the annual energy reduction would be approximately \$60,364. Results indicate CVR could also be used to reduce peak load on lines that are close to capacity.



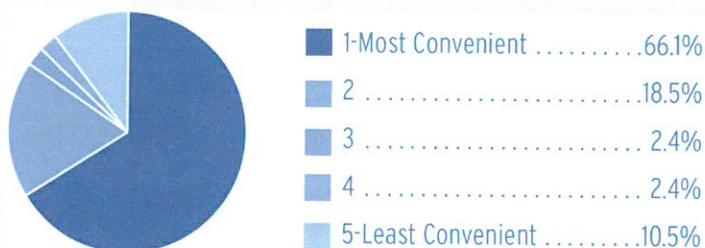
Automated Power Factor Control

The Automated Power Factor Control project focused on boosting the efficiency of the city's power distribution system using capacitor banks to help increase the capacity of feeder lines by 4-5 percent. The data also indicates that capacitor banks can be utilized to regulate voltage when integrated with CVR-related equipment, and can improve power quality.

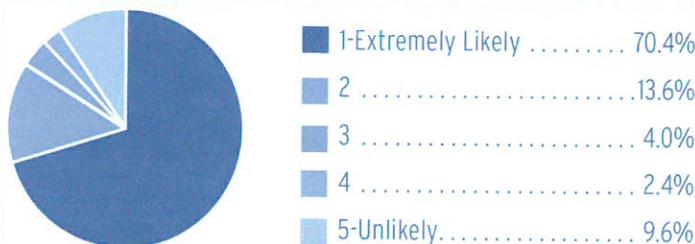
In-home unit testing

More than 900 customer volunteers received a display that allowed them to track their electricity usage in real time. A small segment of those received programmable thermostats, and others allowed load control testing on their electric water heater. Here's a look at the volunteers' experience, based on a post-project survey:

Project's overall level of convenience from installation to removal:



Likelihood of participation in another pilot program offered by IFP, based on your experience.



Invasive Species on the prowl

With boating season fast approaching, we urge you to take steps to keep invasive species out of Idaho's pristine lakes and rivers. Watercraft are the primary transporters of Quagga and Zebra mussels, which can sully the waterways and damage hydro plants, driving up your power bill.

If you've traveled with your boat outside of the state, or recently bought a boat outside of the state, be sure to take the following steps before transporting it:

- Inspect all exposed surfaces.
- Wash the boat thoroughly with high pressure or hot water.
- Remove all plant and animal material.
- Drain all water and dry everything.
- Wait five days and keep your boat dry between launches.

And be sure to buy and display your Idaho Invasive Species Fund sticker. For more information, call 1-877-336-8676, or go to invasivespecies.idaho.gov.



Call before you dig

If you're planning on breaking ground on your property, don't forget about underground utility lines. Water, sewer, natural gas – even power, cable and telephone lines – are often buried and can be cut when digging. If you hit one of these lines, you could be seriously hurt – financially as well as physically, since you could be responsible for damage caused.

To avoid any problems, call Dig Line (811) at least two working days before embarking on a project that requires digging. This is a free service. When you call (or submit the information online, at digline.com), the utilities in the area will be notified and will mark the location of any underground lines with paint or stakes.

FREQUENTLY CALLED NUMBERS



New Connects or
Disconnects612-8280
Power Outages612-8439

Energy Efficiency
Programs612-8526
High Electric
Bill Questions.....612-8436