

Will you know what to do if it's 'lights out?'

No one likes it when the power goes out, especially the Water and Power department. Fortunately, due to Loveland's extremely high rate of uninterrupted power delivery—99.99 percent in fact—an outage is a very rare occurrence here. But that doesn't mean it can't happen. Even a very robust, reliable system can experience an occasional glitch and that means lights out for what could be 30 seconds, three minutes, three hours or more.

In the very rare event that the power goes out, especially in cold weather, do you know what to do to keep your family comfortable and safe?

In any outage there are a few steps homeowners should immediately take. First, try to determine the source of the outage. The outage could be your house only, due to a blown circuit or fuse, so first check your electrical panel. If it's clear the outage

is more widespread—street lights and neighbors' homes are also dark, report the outage to the power department at 663-1043. We recommend that you post this number near your electrical panel or where you keep other emergency contacts.

As with any unforeseen event, advance planning can make a world of difference in your safety and comfort, no matter how long the outage. Residents should have the following on hand and have planned for contingencies.

Items to have on hand for a power outage:

- several working flashlights and extra batteries (flashlights are much safer than candles and can even be handled by young children)
- a battery-powered camping lantern with extra battery

- a battery powered cell phone charger (cell phones lose their charge quickly so having a battery-powered charger is a good failsafe)
- foods that do not require cooking such as canned goods (meat, fruit, vegetables) cereals, crackers, cookies, even shelf-safe milk (make sure you have an old-fashioned can opener in the house because along with the rest of your appliances, your electric can opener will be on the blink)
- it's always a good idea to have some bottled water for a variety of needs
- a battery-operated radio
- if on oxygen, do you have full spare tanks or portable units with extra charged batteries?

In the event of a prolonged outage:

- if you have a regular wood stove or fireplace, you can use it for heat, however, a lot of wood-fireplaces may actually pull more heat out of the house, so know how efficient your fireplace is before you try to use it as a heat source
- dress the family in warm clothing
- keep the refrigerator and freezer shut as much as possible to preserve food (perishable food will usually be OK for hours if the cold air stays trapped)
- make sure you have contingency plans for family members who rely on electrically-powered medical devices
- check in on elderly neighbors to make sure they have what they need and are staying warm

if it's a prolonged outage and the temperature in the house is dropping, it's a good idea to run a trickle of water from faucets to keep pipes from freezing

What not to do during a power outage:

- never use kerosene heaters, BBQs or any type of outdoor appliance in the house or garage as they generate carbon monoxide gas, which can be dangerous
- never go near downed power lines in your neighborhood but if you see some down call 911 and alert Loveland Water and Power

Before the power comes back on:

- unplug some of your major appliances and electronics such as computers, TVs and stereos to protect them from a power surge

that could occur when power is restored

- better yet, to ensure sensitive electronics such as TVs and computers are well-protected, no matter what, have them on surge protectors at all times

A few final tips:

- call emergency services only if you have a real emergency
- if you have to go out, drive carefully because traffic signals could also be out
- if traffic signals are not working treat all intersections as four-way stops

For more information on power outages and power outage preparedness visit the Loveland Water and Power webpages at cityofloveland.org/LWP.



THE LOVELAND City Update

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Growing with the flow

\$24 million project expands Loveland Water Treatment Plant's capacity

Up, sharply, and to the right goes the line on a chart that projects future water use in Loveland.

The line that measures peak demand crosses and climbs past a horizontal line on the chart that marks 30 million gallons per day, the capacity of the Loveland Water Treatment Plant.

When do those lines meet? In about a year.

The chart answers the question that Loveland citizens, City Councilors and members of the Loveland Utilities Commission have been asking over the past few years: Why do we need to spend \$24 to expand the Water Treatment Plant?

"We're looking at least 10 years down the road, if not 20," said Roger Berg, senior civil engineer with Loveland Power & Water and the project manager for the expansion. "As the population grows, demand goes up and we have to be prepared."

Equipment and construction workers arrived at the City's Water Treatment Plant Sept. 2, the start of a 20-month timetable that will bring Loveland's capacity to treat raw water for household and business use to 38 million gallons daily.

Another glance at the chart shows that number will hold up for another 13 years, until yet another expansion targeting 46 million gallons is

John Perrine, who has spent a 40-year career at Loveland's Water Treatment plant, stands at the intake control valve for an evaporation lagoon at the plant west of Loveland.

planned in 2027.

The numbers reflect what Colorado's State Demographer tells us in population projections. Barring some sort of cataclysm, the City's population will double by 2040.

When the project is complete, Loveland water will be prepared for delivery in a bigger, safer and much more efficient plant. And, it will remain many times purer than state water quality regulations require.

Key elements of the expansion project are:

- A new 9,000-square-foot chemical storage building, accounting for \$7 million of the project cost. It

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Strong collaboration helps 'trim' back power outages

Loveland's very successful tree trimming program, which helps curb outages by keeping vegetation in check, is the result of many years of hard work and collaboration between the City and Asplundh Tree Experts.

The relationship, first forged in 2007, was cemented into place after the 2013 flood. The raging Big Thompson River caused more than 300 residents to lose utility service. With the help of Asplundh, the main distribution power line along the 10-mile stretch of the Big Thompson Canyon was fully restored just seven months after the flood.

After that restoration was completed the team achieved another milestone by completely restructuring Loveland's tree trimming program. This included setting new goals of trimming the primary electrical distribution system between a three to four year cycle versus on an eight year cycle as before.

Since these new benchmarks have been put in place, tree-related outages—once a common cause of power outages to utility customers—are now a very rare occurrence.

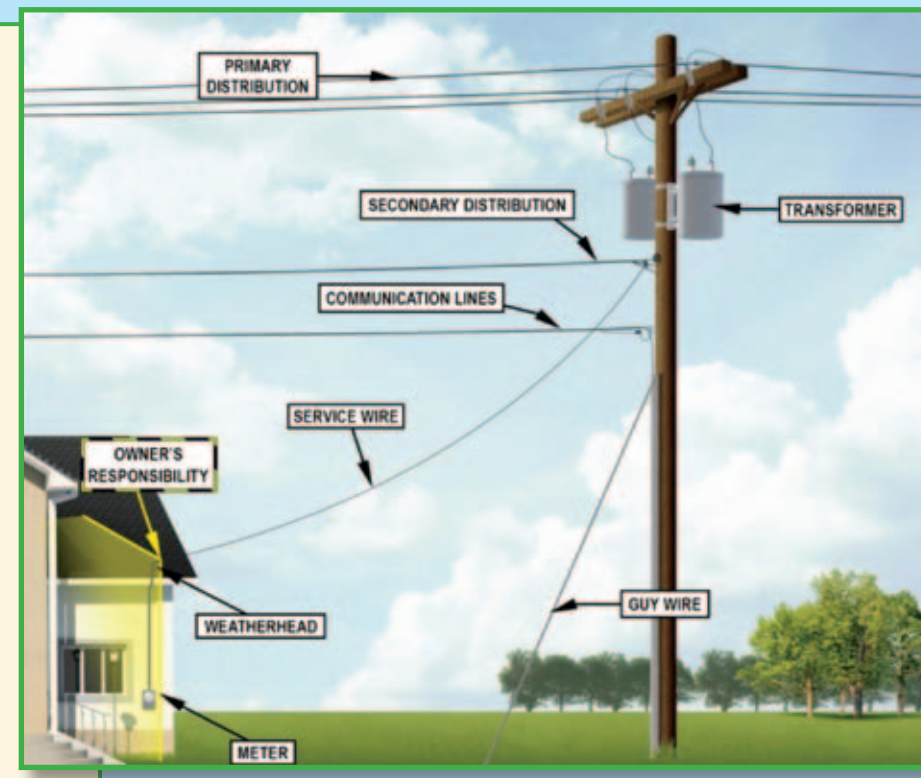
How you can help trim tree-related power outages:

- **Alert LWP when trees appear to interfere with the electrical system**

To report trees growing into distribution lines call LWP at 962-3581. When you call, be prepared to give your name, address and phone number so that we may contact you to assist us in locating the fixture for repair.

- **Make sure trees are trimmed from your service line**

Keeping the service wire clear of trees is the utility customer's responsibility. LWP encourages customers to keep trees and foliage on their property well away from areas near the electric service wire entering their home to prevent individual outages. To promote safety during tree trimming LWP will disconnect your service (during normal business hours) at no charge. Call 962-3581 at least 24 hours in advance to schedule.



Ranch water station at temporary location while permanent station is completed

The City's ranch water fill station that provides potable water to homeowners, contractor and ranchers, has been temporarily relocated to 400 N. Wilson Ave., north of the City's Recycling Center entrance.

This temporary fill station will remain in service until the new ranch water station, to be located at 2505 W. First St., is completed in October.

Once completed, the new ranch water station will provide two fill stations; one with a two-inch discharge pipe will provide water primarily for residential customers. The second fill station will be for commercial use and feature a three-inch, high-volume discharge pipe.

The new ranch water system will not only meet Loveland's growing demand for ranch water, but make accessing that water more convenient for customers.

Growing with the flow (continued from page 1)

replaces one where dangerous chlorine gas is currently stored and will offer a safer alternative.

- A \$6 million building that will house four large, rectangular sand filters, each capable of processing 2 million gallons of water daily.

- An outdoor drying bed, at a cost of \$2 million, to process solids removed from raw water during the treatment process and turn them into products for agricultural and landscape use.

Additional features include a new system for adding soda ash to water to keep acid/alkaline factors in balance, hundreds of linear feet of piping that interconnect the treatment stages and new electrical systems and instrumentation to control and monitor treatment equipment.

Access roads and other necessities fill out the project budget.

Few communities have water treatment facilities located as scenically as Loveland's. Chasteen's Grove, as the plant site is known, sits at the end of a valley between sandstone-crested hogbacks, perched a few hundred feet above the north bank of the Big Thompson River.

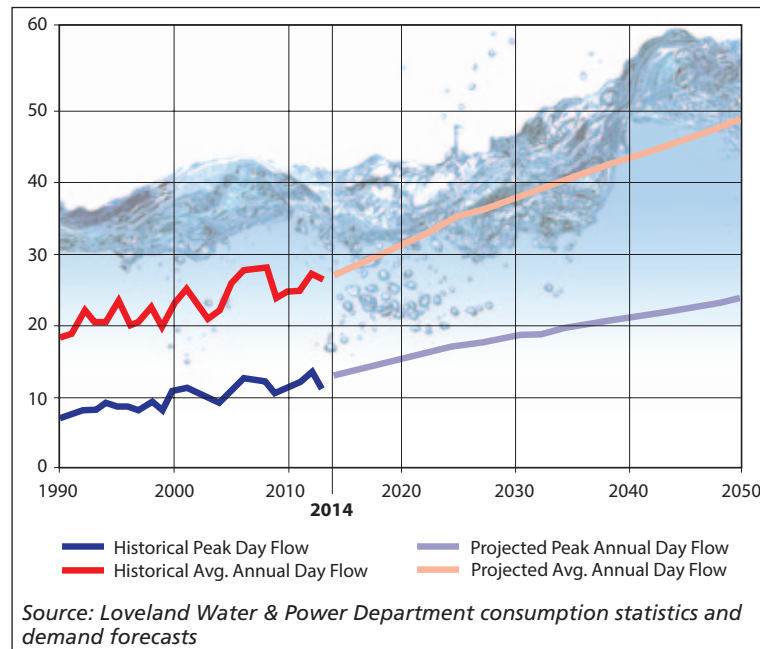
Among the agencies that project managers needed to consult with before construction began was the Colorado Department of Parks and Wildlife.

"We've got lots of wildlife out here," said John Perrine, a 40-year Loveland employee who is the plant's lead operator. "Deer, foxes, bear. We even have a resident mountain lion."

An old apple tree, laden with its summer crop, stands outside a building that contains chambers for "flocculation," the initial treatment process that separates most solids from raw water.

"We've got a bear and two cubs that come in here," Perrine said. "The cubs go up into the tree while the mom waits down below."

Preservation of the natural environment at and around Chasteen's Grove is a prime consideration during construction on what builders call a

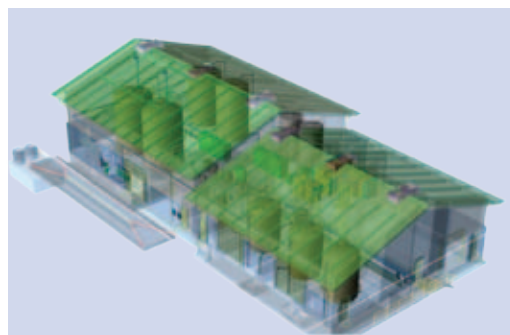


Source: Loveland Water & Power Department consumption statistics and demand forecasts

"tight site."

Among other challenges of an expansion project for a water plant serving a city of 71,000 is keeping the water flowing throughout the process, especially during the summer when demand bumps up against the plant's full capacity.

"All of the existing systems have to be in place and functioning while this work is going on," Berg said.



Newer, and safer, chemicals will be stored in the building depicted here, the biggest feature of a \$24 million expansion of Loveland's Water Treatment Plant.

Loveland's water system includes storage tanks containing 20 million gallons, and those will come into play during the few, and very brief,

shutdowns during construction, always during cooler months.

A main benefit of the project is one that means as much to the U.S. Department of Homeland Security as to people turning on faucets in their homes.

The chemical disinfectant process that all municipal water systems employ

will shift from reliance on dangerous and highly toxic chlorine gas to a compound called sodium hypochloride.

"It's much, much safer," Berg said. "It's liquid in a tank. It's easier to handle, and it's not lethal."

The safety factor will add to the reliability, consistency and purity that Loveland water customers already enjoy. The purity measures, for example, show up on instrument gauges in the existing plant facilities.

One meter in the sand filter building measures turbidity, or the level of particulate matter in the finished water. An instrument's red, digital numbers show two values. One is .3 and the other .03. The difference is a factor of 10.

"Here's what the state requires," said treatment plant engineer Scott Dirkmeyer, tapping on the display where the larger number appeared. He moved his finger down. "Here's where we are."

Opportunities for arts, culture and entertainment plentiful this fall

At the Loveland Museum/Gallery...

Ansel Adams, Photographer
6-8 p.m., Friday, Oct. 10; 5-7 p.m., Thursday, Nov. 20; 6-8 p.m., Friday, Dec. 12

This 1957 documentary, filmed on 16mm black and white film, gives viewers a glimpse into the life, home, views, and equipment of Ansel Adams. A free event.

Georgia O'Keeffe:
A Place of Her Own
5:30 p.m., Thursday, Oct. 16

Lecture by Emily Moore, PhD. A free event.



Halloween Family Fun Festival
10 a.m.-2 p.m., Saturday, Oct. 25

Dress in your best Halloween costume for the Halloween Family Fun Festival while downtown businesses hold their annual Trick-or-Treating event. A free, outdoor event.



All events held at the Loveland Museum/Gallery, 503 N.

Help City's homeless through Loveland Connect

The Third Annual Loveland Connect event—a one-stop shop for the homeless or near homeless—will be held 8 a.m. to noon, Oct. 24 at Truscott Elementary, 211 W. Sixth St. in Loveland.

This unique community event offers housing information, eye glasses assistance, medical screenings, bike repair, haircuts and much more.

Lincoln Ave. in Loveland. For more information call 962-2410 or visit lovelandmuseumgallery.org.

At the Rialto Theater Center...

Cocktails and Cinema:
Pirates of the Caribbean
Cocktail hour 7 p.m. - Film at 8 p.m., Friday, Sept. 19

Grab yer matie for an eve of mayhem and merriment. Enjoy a cash bar and live string quartet prior to the *Pirates of the Caribbean: Curse of the Black Pearl*. Dress the part and you'll be entered into a drawing for free tickets to an upcoming event.

Rated PG-13. Tickets: \$10 (cocktails sold separately—must be 21 to purchase).

Blackmail by Alfred Hitchcock
7 p.m., Friday, Oct. 31

Take a trip back to the 1920's and experience Alfred Hitchcock's *Blackmail* as it was intended to be viewed—as a silent film with live musical accompaniment.

Tickets: \$12.

Josh Blue - Comedian
7:30 p.m., Friday, Oct. 3

Best known as the comedian who

puts the cerebral in Cerebral Palsy, Josh Blue exploded onto the national comedy scene as the winner of NBC's *Last Comic Standing*. Tickets: \$29 advance, \$34 day of show.



An Intimate Evening with Rusty Young
7:30 p.m., Friday, Oct. 17

Rusty Young is a guitarist, vocalist and songwriter best known as a member of the seminal country rock band Poco. This solo performance will highlight songs and stories from Young's decades-long musical career.

Tickets: \$25 advance, \$30 day of show.

All events held at the Rialto Theater Center, 228 E. Fourth St. in Loveland. For more information call 962-2120 or go to rialtotheatercenter.org.

ARE YOU UP FOR THE CHALLENGE?

The Chilson Challenge is a **NEW** program designed to promote healthy habits! It is **FREE** & will run for the month of October.

Wellness Talks & Drawings!
Earn a T-shirt! Get Fit!

Register beginning September 8 in person or online.

Call 970-962-2FUN for more info!

NEW! **chilson** CHALLENGE
CityofLoveland.org 2014

Chilson
Recreation Center
700 E 4th St, Loveland

Volunteers are needed to partner with clients. The goal of this pairing is to have volunteers guide the clients through the event, starting with a shared meal, and then accessing services clients need.

For more information or to volunteer, go to honservice.org. Click on 'Get Involved' and then '2014 Loveland Connect,' or call 962-2517.

Police's new Can You Identify program generates interest and tips

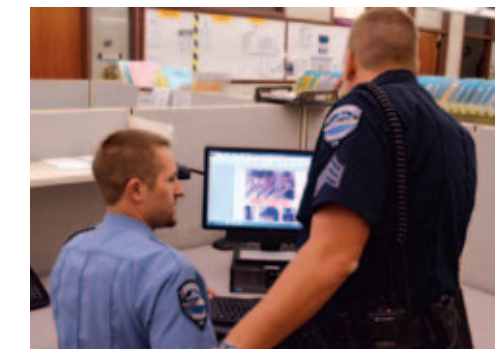
How can we get more positive identifications and get cases solved more quickly? That was the question Loveland Police Community Service Officer Nathan Schadewald asked himself early last spring. Soon after, he came up with an answer – social media.

That internal dialogue sparked the genesis of the Loveland Police department's (PD) recently launched 'Can You Identify' program. The concept is to involve the public to help identify persons-of-interest that the police are unable to identify themselves.

Historically the PD circulated photos within the department or through the regional law enforcement community to make identifications. But if no one in either camp could identify the suspect, cases would often go cold.

To dramatically widen the pool of potential identifiers, in early summer the PD began posting links to photos,

generally taken by store security cameras, of these persons of interest. Then last month they widened the pool of potential identifiers even more by posting to the City's main



Community Service Officer Nathan Schadewald and his supervisor Sergeant Jeff Pyle look at postings of persons-of-interest from the Police's new Can You Identify program.

Facebook and Twitter pages.

The first *Can You Identify* post on the City's main Facebook page resulted in more than 24,000 views—a new record for the City's Facebook page. Viewers also enthusiastically 'Liked' the post and left numerous comments.

Out of the first five posts through the program, three have been positively identified – one by a neighboring law enforcement agency and two from anonymous callers, assumed to be members of the community who may have seen the photos on the City's website or social media pages.

Schadewald, who initially pitched his idea to his supervisor and later presented the concept to the Police department command staff, is thrilled. "This is exactly what we were hoping for. My motivation for involving the public was to reduce criminal behaviors and get justice for victims by quickly putting police officers in contact with these persons-of-interest. It's one more tool in our tool box that helps us do what we do, better," Schadewald said.

To check out current *Can You Identify* postings, go to cityofloveland.org/identify or to contact the PD with a tip call 667-2151.

Kids Read Game inspires passion for reading in young readers

Families looking for an effective way to support their children reading at home are invited to attend a Kids Read Game session at the library this fall.

The game is designed to be played by an adult and a child and includes a set of cards with brief, kid-friendly explanations of research-based reading strategies, a six-sided die, and cards that encourage children to discuss the material in meaningful ways.

The game places an emphasis on interactivity, comprehension strategies and confidence-building.

Kids enjoy the one-on-one time with parents and focusing on the game can defuse the power struggles that sometime accompany reading at home.

Kids Read Game sessions are appropriate for children in grades 2-5.

Fall game times are;

- 10 a.m.- noon, Saturday, Oct. 11
- 5:30 p.m.- 7:30 p.m., Monday Nov. 3
- 5:30 p.m.- 7:30 p.m., Friday Nov. 14

All sessions will be held at the Loveland Public library, 300 N. Adams in Loveland. For more information or to register, go to lovelandpubliclibrary.org. Game kits are also available for check-out in the Children's department at the library.

City Update is a monthly publication of the City of Loveland. Residents receive City Update according to their utility billing cycle. Timeliness of the information may be affected by recipients' billing schedule. City Update is also available around the first of every month on the City's website at www.cityofloveland.org. Your comments are encouraged and welcomed at 962-2302, Tom.Hacker@cityofloveland.org. The City of Loveland is committed to providing an equal opportunity for citizens and does not discriminate on the basis of disability, race, color, national origin, religion, sexual orientation or gender. The City will make reasonable accommodations for citizens in accordance with the Americans with Disabilities Act. For more information, please contact the City's ADA Coordinator at Betty.Greenberg@cityofloveland.org or 962-3319.

