



Dateline: Paid for by the City of Loveland

LOVELAND

26-282-890

This service used 24/7 by everyone

Some Loveland residents use the Loveland Public Library. Some don't. Some use the City's golf courses. Some don't. It's the same with many other City services and facilities such as the recreation center, fire inspections, art workshops, bike lanes, the Rialto Theater and more.

But there's one City service everyone uses — every day, every hour—electrical power. Whether you're at home, at work or 1,000 miles away on vacation, there's electrical service being provided and used.



City, PRPA are electrical teammates



Rawhide Energy Station

Payments for electricity used by Loveland homes, businesses and other utility customers are made to the City of Loveland. But while the City provides the electricity through its distribution system, the City is not the source of the power.

Almost all of Loveland's electricity comes from Platte River Power Authority (PRPA), a publicly-owned, not-for-profit wholesale electric utility. PRPA is jointly owned by the municipalities of Loveland, Fort Collins, Estes Park and Longmont.

The Rawhide Energy Station, about 3 miles west of I-25, 26 miles north of Fort Collins, generates the majority of PRPA's power.

One coal-powered turbine and five natural gas-powered turbines generate electricity that flows through PRPA's 700 miles of transmission lines. Ten wind turbines near Medicine Bow, Wyo. and an 18 percent share in the coal-fired Yampa Project near Craig are also generation sources.

PRPA is part of the western U.S. power grid. If PRPA has extra power, it sells it to other

entities or purchases power if needed. This way, if unexpected high demand or an interruption of generating service should occur, reliable electricity is available.

We deliver

Loveland receives its electricity from PRPA transmission lines at six local substations. Transformers at the substations step down the high voltage transmission to lower levels for local use. The City's 530 miles of distribution lines deliver power to the City's nearly 32,000 electric customers.

The power is carried from substations to homes and businesses throughout Loveland, primarily by underground cables. About 120 miles of overhead lines still exist and are being phased out wherever feasible. All new developments install underground electric service.

Nearly perfect

While nothing is ever perfect, electric reliability in Loveland comes very close. Electric service efficiency exceeds 99.99 percent. Loveland hasn't suffered a major outage in a long time. When an occasional minor outage

occurs, service is usually restored in just an hour or two.

If an outage does occur, restoring power quickly is Water and Power's first priority. This includes attention to the department's list of special needs customers such as residents relying on electrical equipment for their health and safety. Loveland's large businesses with major electrical needs are also a high priority.

Squirrels and humans are the most frequent causes of local outages. A squirrel touching a transformer on an electric pole can pay the ultimate price for causing an outage. An errant motorist who hits a pole or one of those green switchboxes at an intersection can be to blame. In addition, Mother Nature's lightning can light up the sky and darken a neighborhood.

Sufficient capacity

Unlike cities on the West Coast and elsewhere, Loveland's electrical capacity is very good. There's enough capacity to serve Loveland, even on very high demand days, usually occurring during the summer due to air conditioner use.

As Loveland grows bringing additional residential and industrial needs, the City will continue to expand its electrical service delivery system. Existing substations are being expanded to serve areas of growth throughout the city, especially the east part of town.

More good news for Loveland electric customers is the bottom line. The cost to residents for electrical power is among the lowest in Colorado. Residents today pay only about 6 cents per kilowatt-hour (kWh), less than the 6.5 cents/(kWh) residents paid in 1984.

Power Cost

Colorado Electricity Costs for 700 kWh



Loveland residents' costs for electrical power is among the lowest in Colorado. On average a residential customer uses about 725 kilowatts per month. Throughout the state, monthly bills range from about \$45 to \$104 for 700 kWh of power.

(Colorado Association of Municipal Utilities Survey, January 2008)

Current Energy Efficiency Programs

Loveland Water and Power offers programs aimed at improving energy efficiency for residents and business alike. Residential programs include:

Partnering with Power
GreenSwitch
Online Bill Estimator
Lighting With a Twist

Air conditioner power demand reduction
 Renewable energy purchase options
 Identifying home electrical use sources
 Encouraging use of CFL lighting

For information on these programs, or programs for business customers, contact the W&P offices at 962-3000 or visit www.cityofloveland.org.

Green, not brown, is alert concern

Power peaks are often misunderstood here in Loveland. Power reductions are encouraged not for fear of a brownout but to help keep green in customers' wallets.

When demand exceeds normal levels and hits a peak, extra generating capacity is required and/or power is purchased from other sources on the western electric grid in addition to the power produced by Platte River Power Authority (PRPA). This extra level of power costs more and those costs eventually get passed along to PRPA owner communities.

Conservation and thinking ahead can reduce the need for this higher-cost electricity. For example, when hot weather is expected, reduce the AC at home during the day when at work. Another suggestion is to wait until evening when the alert is lifted before running a dryer or dishwasher. Attention to energy usage helps keep costs down for everyone.



For Your Refrigerator -- Clip and Post

Be Informed

Some or all of these sources may be utilized during an emergency or special situation. The nature of the situation will dictate what sources will be utilized. Setup and staffing for some resources will not occur immediately.

City of Loveland Info Sources:

www.cityofloveland.org	Official City website
1610 AM radio	City's AM radio station
Channel 16 cable TV	City cable TV channel
Phone 962-2020	Info line/call center
Phone 911	Emergency police/fire
Emergency Phone Notification (EPN)	Recorded phone calls (land lines, not cell)
Emergency Alert System (EAS)	Emergency messages on TV & radio

Other sources:

www.larimer.org	Larimer County Website
Phone 211	Area assistance phone info line
www.firstcall211.org	211 website

Power By the Numbers

Rawhide generation (2007)	2.3 million MWh
Loveland distribution	660,000 MWh
Electric revenue (Loveland)	\$36.2 million
Coal burned (2007)	1,300,000 tons at Rawhide
Loveland customers	31,800
Rawhide begins	1984, commercial operation
Avg. residential use	725 kWh/month
Underground distribution lines	412 miles
PRPA employees	222
Summer peak usage	128 MW
Overhead lines	120 miles
Loveland power efficiency	99.99 %
Winter peak usage	96 MW
Emergency coal supply	60 days (Rawhide)
Loveland service area	59 sq. mi.
City electric employees	48 FTE
Loveland use	22 % of PRPA generation
Bison	46 at Rawhide site
Wind turbines	10
Rawhide generators/turbines	6
Loveland substations	6