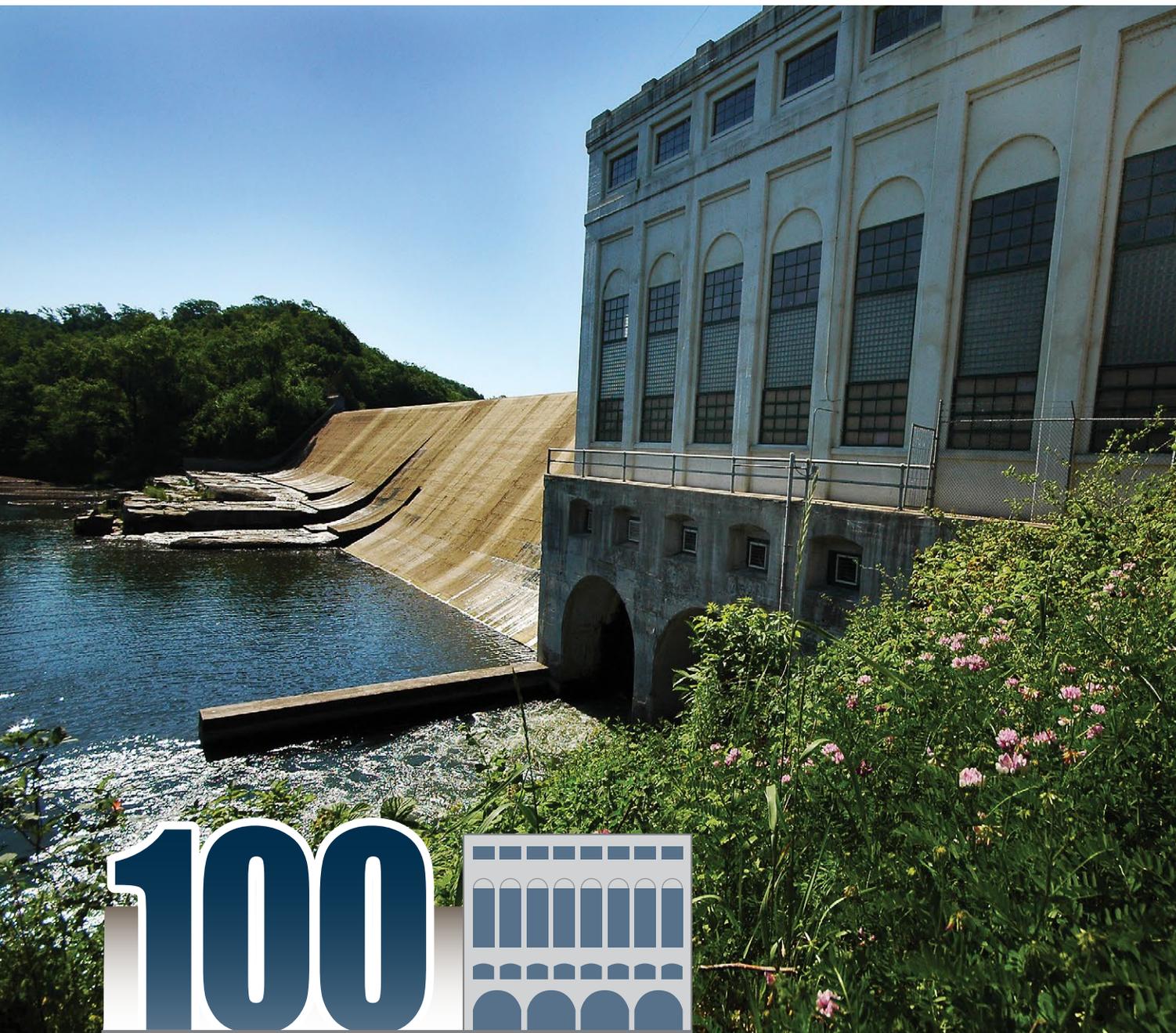
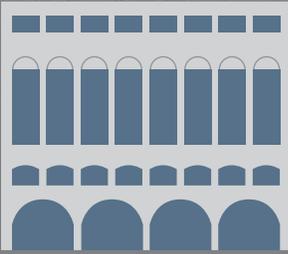


RPU *Plugged In*

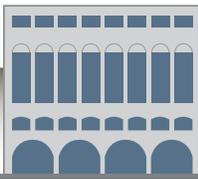


100 

YEAR ANNIVERSARY
OF THE **LAKE ZUMBRO DAM**

Read more on page 2.

100



YEAR ANNIVERSARY

OF THE LAKE ZUMBRO DAM

100 Year Anniversary Celebration!

Come celebrate the 100th anniversary of the Lake Zumbro Dam by touring the facility on August 9 or August 10. We will be opening the doors to the historic facility for everyone to see the beauty of the building, as well as the importance of it to RPU and to southern Minnesota.

When: Friday, August 9, Noon-5pm | Saturday, August 10, 9am-1pm
Where: Mac's Park Place



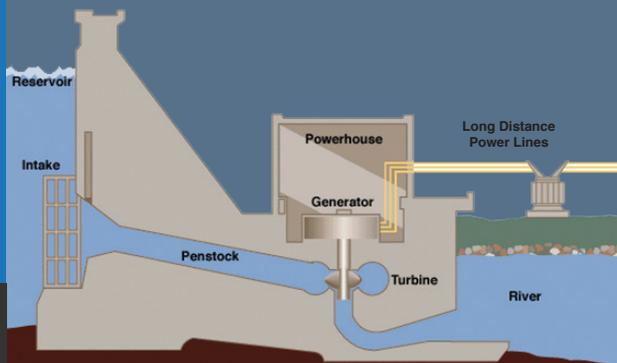
GENERATION & OPERATION

- The Minnesota DNR regulates the dam as Run-Of-The-River. What flows in, must flow out. This also means minimal lake level fluctuations.
- Normal Lake Level is 914.5 Mean Sea Level (MSL).
- Historical High Level is 923.2 MSL on September 24, 2010.
- Electrical generation averages 12,500 megawatt hours per year; that's enough electricity to power 1,500 homes.
- In 2018, the dam produced 17,566 megawatt hours – a new record!

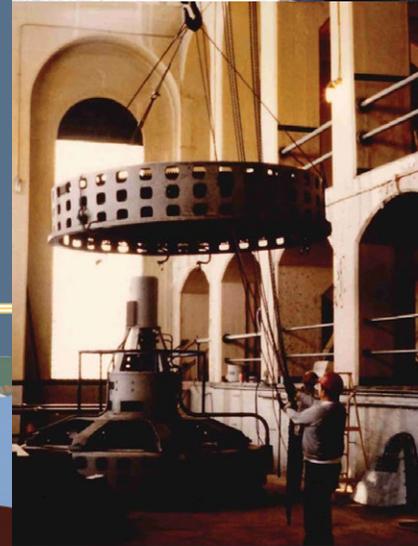


DAM SPECIFICATIONS

- The Lake Zumbro Dam is 55 feet high and 900 feet long with the spillway spanning 440 feet.
- Approximately 600 cubic feet of water pass through both turbines each second when they are operating at 100%.
- One foot of water pouring over the spillway is equivalent to 1,500 cubic feet per second.



HYDROELECTRIC DAM OPERATION

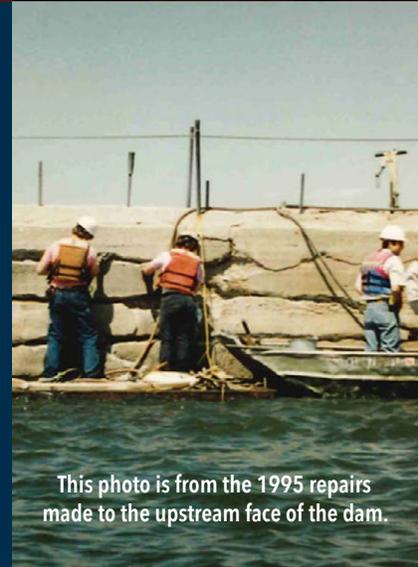


HISTORY OF THE DAM

- Construction began in 1917 by renowned engineer Hugh L. Cooper.
- The powerhouse was placed into service on November 7, 1919.
- RPU has owned and operated the Lake Zumbro Dam since it was built.
- The Lake Zumbro Dam was listed on the National Register of Historic Places in 1991 for its feats in engineering.

SAFETY & INSPECTION

- The Lake Zumbro Dam is inspected annually by licensed professional engineers to help identify needed repairs.
- RPU staff inspects the dam on a weekly basis.
- No-Wake is initiated when lake levels exceed 915.6 MSL and is lifted when lake levels drop below 915.3 MSL.
- For up-to-date lake levels, visit our website page at rpu.org/education-environment/lake-zumbro-water-level



This photo is from the 1995 repairs made to the upstream face of the dam.



Power Outage Safety

Power outages can happen for any number of reasons including overgrown vegetation, equipment failure, animals, auto accidents, and storms. We understand that it is an inconvenience for customers anytime the power goes out. Many RPU employees are also RPU customers, experiencing the same outages as you. In those times, all available resources are used to address the outage immediately.

RPU's first and foremost concern during any outage regardless of size, is safety for customers, the community, and RPU employees. We will never compromise the safety of anyone to expedite power restoration.

Never go near a downed power line. Stay away from the area and contact RPU immediately at **507.280.9191**. Even if a power line looks like it is disconnected, it still can be energized and will cause severe injuries if contact is made with it.

If your house is fed from overhead lines and there is possible storm damage to

the line or connection into your home, you will need to take additional steps to safely have your power restored. Keep in mind, the electric service can get pulled down or dislocated from your house and still be working.

- If a line is down, regardless if it is working or not, it may require additional attention to ensure safety and proper service.
- Call RPU's outage line at **507.280.9191** to have a crew inspect your overhead service.
- If repair work is required, RPU will disconnect your service, and will then instruct you to have a licensed electrician make necessary repairs.
- Once the electrician has completed their work, they will notify a city electrical inspector to ensure the work was done properly.
- The inspector will then notify RPU for a reconnection.

Your safety, along with the safety of our employees and community, is our priority.



For large outages, we use Twitter @rpuoutages for sharing outage information and restoration progress. RPU outage map - www.rpu.org

RPU lineworkers will not go out to assess or work on outage restoration if there is inclement weather in the immediate area, which could compromise the safety of RPU line crews.

POWER OUTAGE EMERGENCY PLAN

What is your plan for you and your family if you were to lose power? Here are some things to consider:

Report the outage. Have RPU's outage line in your cellphone or easily accessible to report your outage – **507.280.9191**.

Have a back-up location. Do you have a list of friends or family in the area who you could go stay with if necessary? Even if your home is heated by natural gas and the electricity is out, you will not be able to heat your home because the fan on your furnace is powered electrically.

Keep your cellphone charged. If bad weather and strong winds are in the forecast, keep your cellphone charged in case the electricity goes out.

Keep refrigerators and freezers closed. According to the U.S. Department of Health and Human Services, food left in a closed refrigerator or freezer should be safe for no more than 4 hours. Keep the door closed as much as possible.

Discard perishable foods that have been above 40 degrees Fahrenheit for more than two hours. For more information, visit: http://www.foodsafety.gov/keep/charts/refridg_food.html.

Store extra flashlights and batteries. Keep flashlights and new batteries in an accessible location to provide some light and safety during an outage.

Be aware of medical conditions. If you or someone you know has a medical condition, and they rely heavily on electricity for medical equipment, seek medical attention early rather than waiting for the electricity to come back on at your home.

Know your garage door. Consult your electric garage door opener manual and find out how to release the opener in case the power goes out. This will allow you safe and easy access to opening your garage door even without power.

Practice safety first. Never go near downed power lines or wires. Power lines can still stay energized even if they are lying on the ground. Call RPU immediately at **507.280.9191**.



RPU Is Excited to Participate in Safe City Nights Summer Series

After several months of planning, the Rochester Police Department (RPD) is pleased to announce the launch of a new community initiative, Safe City Nights. This opportunity for community engagement will include six gatherings, one in each ward of the City, during the months of June, July, and August. Each event will take place on a Tuesday from 6-8pm and will include free food and activities. If necessary, the rain date for the event will be the following day at the same time and location.

A unique aspect of Safe City Nights is each of the six wards in the City will have an event. Community members are encouraged to attend the corresponding event located in their ward. This will provide an opportunity to connect with neighbors and law enforcement teammates who patrol their areas. The Mayor and members of the Rochester City Council will also be present during the gatherings.

Police Chief Jim Franklin stated, "RPD believes that community engagement is critical to the success of protecting and serving the Rochester community. The Department believes that it is the responsibility of all to be engaged with the community, not just a select few. This includes the Chief, sworn officers, and civilian staff. RPD believes that community engagement is strengthened through strong partnerships that are built through trust, collaboration, and respect."

"The Safe City Nights events will provide community members an opportunity to come together with their neighbors and celebrate the summer season. We look forward to each of the six gatherings. The residents of Rochester are the reason we have such fantastic neighborhoods and a vibrant community," shared Mayor Kim Norton.

Thank You to Our Partners

Safe City Nights events are being made possible through generous contributions from local businesses and organizations. These partners include Canadian Honker, Custom Alarm, Kwik Trip, Mayo Clinic, and Titan Development & Investments. Additional event participants include Rochester



Photos are from the June 5 Safe City Nights event at East Silver Lake Park.

Dates and Locations

DATES ALREADY HELD

- June 4 – East Silver Lake Park – Ward 5
- June 18 – George Gibbs Elementary School – Ward 3

UPCOMING DATES

- July 2 – Longfellow Elementary School – Ward 4
- July 16 – Ben Franklin Elementary School – Ward 1
- July 30 – Watson Field – Ward 6
- August 20 – Harriet Bishop Elementary School – Ward 2

Public School District, Rochester Public Utilities, Public Works, Rochester Fire Department, Parks & Recreation, Pepsi, the Diversity Council, RNeighbors, and Army National Guard.

Kala soo qeyb gal dariskaaga iyo kooxda waaxda booliska ee Rochester habeen cunno iyo wax-qabad lacag la'aan ah.

Júntese con sus vecinos y el equipo del Departamento de Policía de Rochester para una noche de comida y actividades gratuitas.

10 YEARS STRAIGHT AS A TREE LINE USA RECIPIENT

RPU was recently recognized as a Tree Line USA recipient for 2019, making it 10 straight years for RPU! Tree Line USA recognizes public and private utilities for practices that protect and enhance America's urban forests.



CALLING FOR NOMINATIONS!



Photo by Nick Ryan

Environmental Achievement Awards are given annually for outstanding environmental achievement in Olmsted County. **Nominations are sought for individuals, families, youth, organizations, or businesses in any or all categories:**

- Climate Change
- Conservation
- Education
- Energy
- Renewables
- Sustainable Food Production
- Water
- Other

DOWNLOAD A NOMINATION FORM AT WWW.RPU.ORG. DEADLINE IS OCTOBER 4.

ENERGY CONSERVATION

Monthly Tip for Plugging into Savings!



The average annual output of our Lake Zumbro Hydro Plant is approximately 13,000 megawatt-hours. For each megawatt we generate, RPU receives one Renewable Energy Credit (REC). RPU offers our customers an opportunity to buy them! By purchasing RECs, you will be supporting RPU's generation of renewable energy while offsetting your carbon footprint. Learn more about our **Carbon Offset Program** on the **Rebates & Programs** page at www.rpu.org.



CONSERVE & \$AVE

WATER CONSERVATION

Monthly Tip on Saving From the Tap!



When the kids want to cool off, use the sprinkler in an area where your lawn needs it most.

CONSERVE & \$AVE



RPU Commercial Customer Corner: **PARTNERING** in Energy Solutions Financing Your Energy-Efficiency Project

Rochester Public Utilities would like to partner with you, and help with the implementation of energy saving solutions for your business. Whether you are considering retrofitting your existing building or thinking about new construction, it makes sense to be sure your business is as energy efficient as possible.

With our PARTNERING In Energy Solutions (PIES) program, you might be eligible to finance that energy reduction project you have been putting on hold. We will make sure you are connected with engineers, vendors, and contractors who can help you identify, design, and install energy-efficient improvements.

Once the energy-efficient improvements have been identified, our PIES financing program can help fund the project by offering 0% interest loans, up to \$25,000 for qualified customers.

RPU designed PARTNERING in Energy Solutions to connect you with expert resources, or ESPs (Energy Solutions Partners), to help ensure your business is operating efficiently. A list of ESPs can be found on RPU's website or by contacting one of RPU's Energy and Environmental Advisors.

These ESPs will:

- Analyze your current and future energy usage and needs.
- Recommend operational changes and energy-efficient upgrades to your equipment.
- Provide payback analysis of suggested improvements.
- Assist with the purchase and/or implementation of suggested improvements.
- List and apply for all available RPU Conserve & Save® rebates.
- Assist with applying for PIES financing.

Don't put off your energy saving project for another year. For questions and more information regarding our PIES program, contact an RPU Account Representative today.



Jan Blevins
Commercial Account
Representative
jblevins@rpu.org
507.280.1578



Dru Larson
Energy and
Environmental Advisor
dlarson@rpu.org
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Josh Mason
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507.280.1588



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CONSERVE & \$AVE®



How an Air Conditioner Works

Similar to how a refrigerator works, air conditioners transfer heat from a home's interior to the warm outside environment.

(A) Evaporator

Cooling coils remove heat and humidity from the air using refrigerant.

(B) Blower

A blower (or fan) circulates air over the evaporator, dispersing the chilled air.

(C) Condenser

Hot coils release the collected heat into the outside air.

(D) Compressor

A pump that moves refrigerant between the evaporator and the condenser to chill the indoor air.

(E) Fan

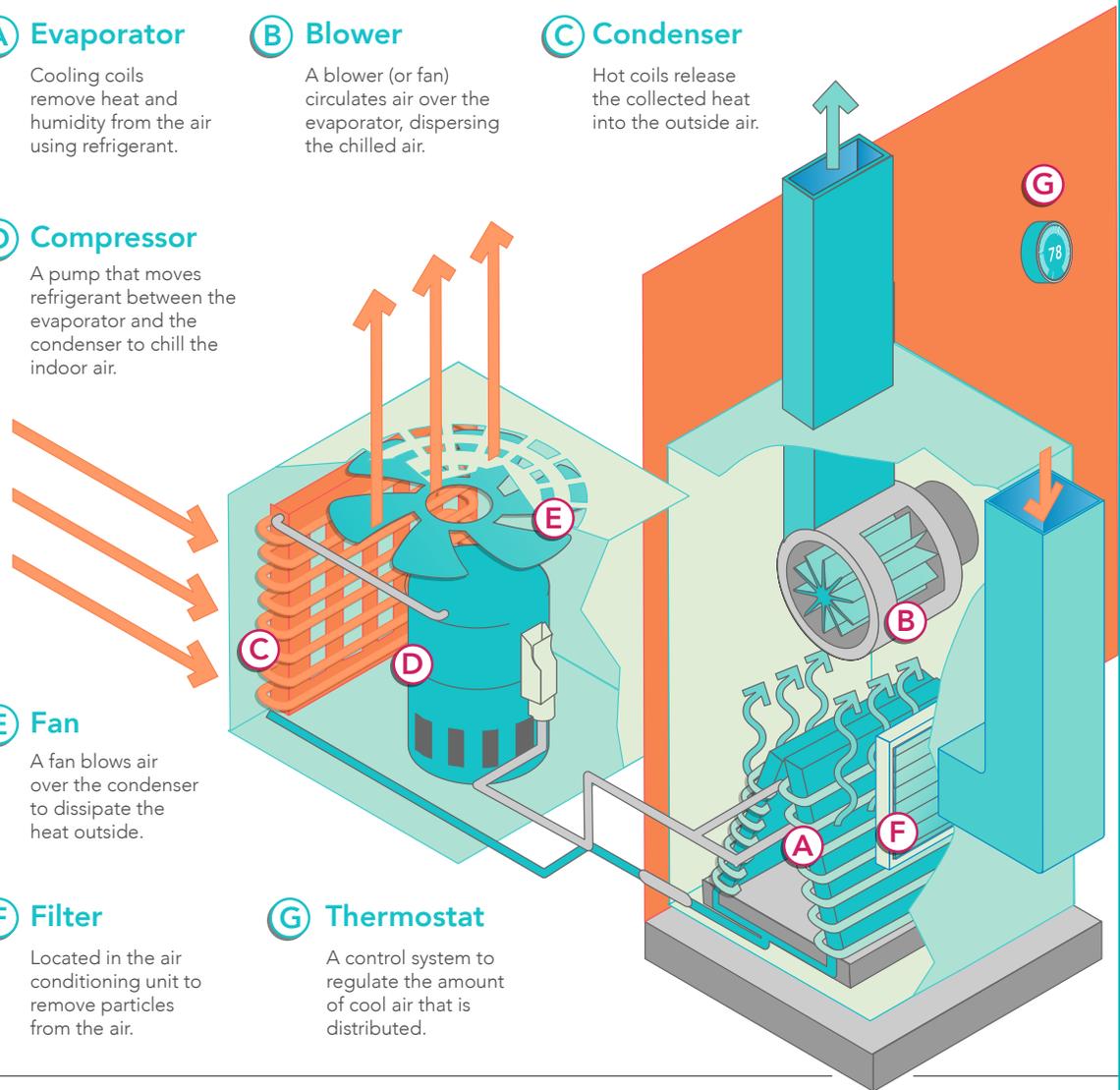
A fan blows air over the condenser to dissipate the heat outside.

(F) Filter

Located in the air conditioning unit to remove particles from the air.

(G) Thermostat

A control system to regulate the amount of cool air that is distributed.



Infographic by the U.S. Department of Energy.

It's time to schedule some **SPRING CLEANING!**

Complete a Central Air Conditioner Clean & Tune
and apply for a **\$25 REBATE!**

Regular preventative maintenance is the best way to ensure trouble-free, energy-efficient operation.

Visit www.rpu.org to download a rebate application with complete terms and conditions; some exclusions apply.

Need a new air conditioner?
We have a rebate for that too!

CONSERVE & \$SAVE®



4000 East River Road NE
Rochester, MN 55906
507.280.1500
www.rpu.org

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PAID
Bluespire



Where to Find RPU

Find us on social media for the latest RPU news and updates!

- @rpuoutages for outage information
- @rpualerts for RPU news and general information
- Rochester Public Utilities



RPU SERVICE CENTER Holiday Hours

The RPU Service Center will be closed on:

Thursday, July 4, in observance of Independence Day

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June 4 and 5: Power Outage Recap

The storm that came through Rochester on the evening of June 4 caused power outages throughout the city, which affected service to over 3,200 RPU customers. Most customers had service interruptions of only two to three hours, but in the areas with more storm and tree damage, there were power outages nearing 24 hours. Line crews from Austin, Blue Earth, Owatonna, Shakopee, and Waseca came to Rochester on June 5 to help with restoring power to the remaining 179 customers who were still without power.

Read more about RPU's Power Outage Emergency Plan on page 3.



For large outages, we use Twitter @rpuoutages for sharing outage information and restoration progress. An RPU outage map is available on www.rpu.org.

