

# Currents & Waves



## WW&LC Engineering and Electric Projects By Director of Engineering and Electric Operations, Todd Weiler

A common question asked by our customers is, "What are some of the larger capital projects the utility is working on?" Here is a list of some of the projects which took place in 2020.

### **Baker Substation Upgrade**

A three-year joint project with American Transmission Company (ATC) was completed in December at our Baker Substation. This project will provide better reliability for the entire East Side of our service territory. As part of this project ATC invested 11 million dollars upgrading their 2 transmission lines that feed this substation as well as installing a new control house and breakers in the substation.

### **Coyne Substation/Matalco Project**

A new WW&LC substation was built inside the existing ATC Coyne Substation. This new equipment was placed into service in April. This substation was built for our new aluminum smelting customer (Matalco) but was also designed to feed any future load on the North-East Side of our service territory.

### **Underground Conversion Projects**

The following areas in our service territory were converted to underground:

Meadow/Cliff	Chestnut Street
Sweat Avenue	Seneca Road
Cardinal Street	Pierce/Love Creek

### **Pole Replacement**

205 Poles were replaced on our 3 phase lines.

### **Pedestrian Walk Buttons**

Over 100 COVID friendly walk buttons were installed on all the traffic light poles this year, allowing users to push them in with their elbow instead of their finger.

## WW&LC Water Projects By Water Superintendent, Dale Scheunemann

### **Water Filter Plant Motor Control Center (MCC) Upgrade**

The Existing East MCC which was installed in 1978 was planned for replacement in 2020. The MCC controls the east half of the filter plant involving a clarifier, two gravity filters, and a clearwell. The upgraded MCC will provide variable speed drives to three motors used to pump water from our east clearwell to the water distribution system. This upgrade will assist in more precise flow to the towers as well as reducing the water hammer that can be produced during start up.

### **Groundwater Well #5 Rehabilitation**

WW&LC Well #5 stopped operation due to iron build up blocking water entering its vertical casing. Water Well Solutions was contracted to clean and rehabilitate the well. After rehabilitation, the flow improved 320 percent from 125 gallons per minute (GPM) to 400 GPM. This rehabilitation improved efficiency of the well and added water supply capacity to the City's groundwater supply.



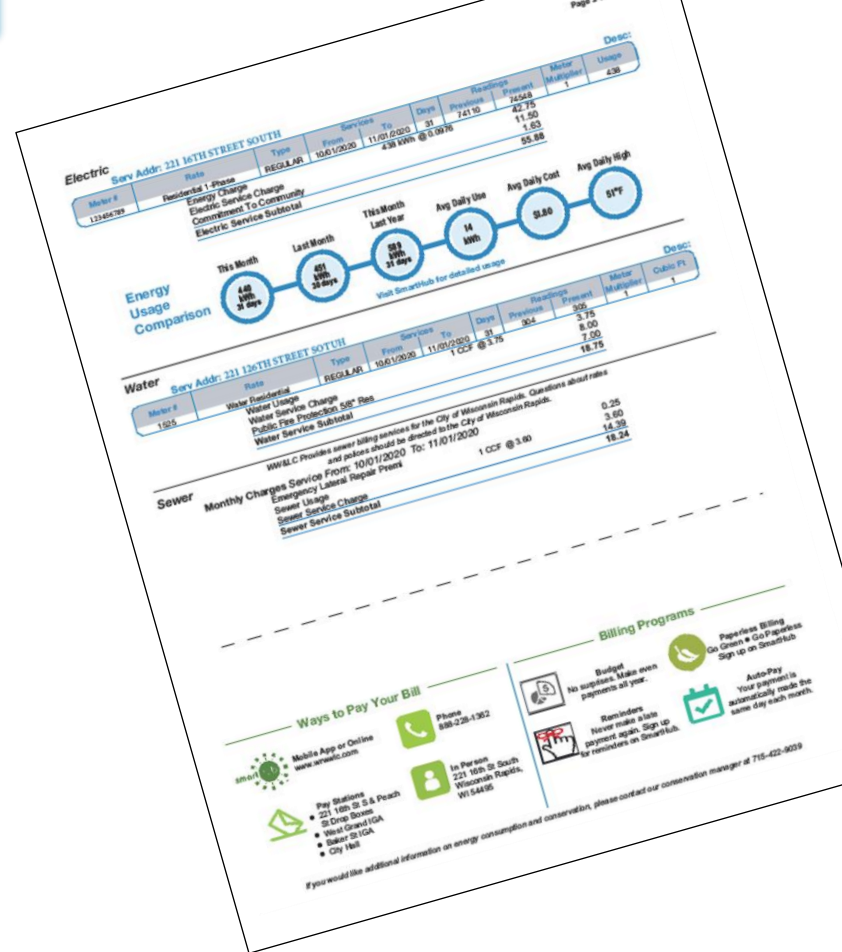
## NEW AND IMPROVED BILL DESIGN

Your monthly statement from Water Works and Lighting Commission will have a new look starting in February.

We hope you will agree that this new format is much easier to read and understand.

We value our customers and continue to seek ways to better serve them. Please contact our office if you have any questions about the new bill design.

[www.wwwwlc.com](http://www.wwwwlc.com)  
715-423-6300



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