2024 ACEC Irrigation Meeting

Speaker:

Mark LaMore – Engineering/Operations Support Specialist-Key Accounts

Topics of Discussion

- Finished & Upcoming Projects
- Demarcation Point
- Construction Costs
- SmartHub
- Peak Alert
- Cost of Service Study
- 2024 Rates
- Navigating Your Bill
- Question & Answer

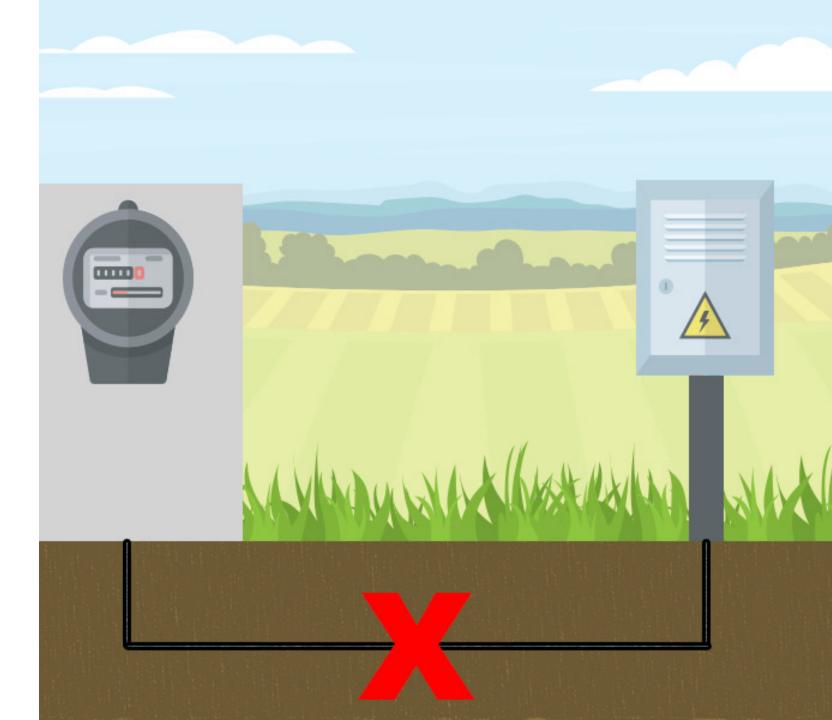


Irrigation Projects

- Every year ACEC replaces 10 12 irrigation lines
 - This is old wire whether long runs of secondary or P175
- Meter socket incentive.
- Transfer ownership to member.

<u>Demarcation</u> <u>Point of ACEC's</u> <u>Facilities</u>

- Wisconsin Electrical Statute changed stating a master electrician must install the secondary wire between the meter socket and disconnect.
- Meter must be within 25 feet of the disconnect. Variance with Engineering VD calculation.
- Allowing meter socket to be built onto the backboard
- Member owns/maintains meter socket.



Construction Costs

 New construction and remove/relocates are based on time and material

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	Fern Ave 1200'	CK1
	5 - A 10001	
-	Fern Ave 1200	
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	New layout to be 8' lumber structure,	
	all equipment to face west, as close to	
	the pivot cement as possible,	
	Proposed layout	Current layout
1.24		
	Pivot	Pivot
		Pivot
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	2, New meter>>	Ct C
		meter C
1992	3, New service disconnect	
		panel
	4, New well panel>	paner
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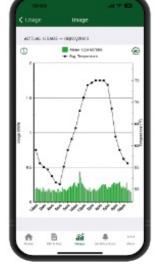
SmartHub Tutorial



Home Screen Overview







Navigation Pane

The navigation pane is your main menu and will direct you to any page within SmartHub. To return back to the home screen, click our logo.

Notifications

These alerts are information ACEC wants you to know about. Click "Go To All Notifications" to view all messages we've sent directly to you.

Customer Overview

At a glance you can view your last payment amount, past due balance, and current bill amount for all of your accounts. Click the "Pay" button to see the details for each account.

Usage Overview

Review a snapshot of your energy usage from the last year and compared to last year at this time. For a deeper dive into your energy usage, click the "Usage" drop down from the navigation pane.



Adams-Columbia **Electric Cooperative**

œ (800) 831-8629



www.acecwi.com

0 401 E Lake St, Friendship, WI

SmartHub

Online portal for members to manage their account

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Log in or create an account by visiting our website.

acecwi.smarthub.coop

Download the mobile app!

BILL & PAY Auto Pay Program Billing History Make a Payment Operation Round Up Payment History	<text><text></text></text>	Billing History & Payment History The billing histroy and payment history tabs allow you to view past bill statements and payments applied to your account.	Make a Payment You can make a payment on your account, view the due dates, and schedule future payments.	Operation Round Up This program is funded by who choose to round their the nearest dollar amount, change is used to support uals who apply for our gra area. You can enroll your accou to make a impact on local	r members r bill up to . The extra : organizatio .nt througho .nt in Operat
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CONTACT US Location Report Power Outage Submit Inquiry Track Issue Status	Location Get directions to our Friendship office with a map built in to SmartHub.	Report Power Outage Report your outage through your SmartHub account to link the outage directly to your service location.	Campion Laboration of the Campion of	bmit Inquiry omit updates or questions out your account. a of our customer service resentatives will be in stact with you after we eive your request.	Track Is Details ab power our area and history for locations here.
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eter Description

name your meter (house, garage, shed, etc.)

perless Billing

Sign up to receive emailed monthly statements.

Registered Accounts

Shows your account and additional users.

Security

Change your password, email, or security phrase.

Stored Payment Accounts

Information will be stored for future payments.

Manage Notifications Meter Descriptions

Paperless Billing

Registered Accounts

Security

Stored Payment Accounts

quiry

Track Issue Status

Urb-Red

Details about current power outages in your area and power outage history for your service locations are availabe here.





rest dollar amount. The extra is used to support organizations and individto apply for our grant throughout our service

n enroll your account in Operation Round Up e a impact on local communities.



PEAK ALERT

LOAD MANAGEMENT HISTORY

HISTORICAL DATA REGARDING HIGH PEAK PERIODS

Determining Peak Alert

- Predictions come from Alliant Energy, whose territory Iowa & Wisconsin
- Daily predictions received around 9:30 a.m.
- These numbers change constantly
- Dispatch monitors constantly and uses weather data, past peaks, and peak alert periods
- High or Low Peak Alert Messages
- ACEC Web Site Load Management History
- Use SmartHub to update notification list.

2023

May 8: 10 a.m. - 3 p.m. May 9: 10 a.m. – 3 p.m. May 10: 1 - 6 p.m. May 11: 1 – 6 p.m. May 22: 2 – 7 p.m. May 23: 1 – 7 p.m. May 30: 2 – 8 p.m. May 31: 2 - 8 p.m. Peak for the month: May 31 @ 5 p.m. (hour ending) June 1: 1 – 7 p.m. June 2: 1 – 7 p.m. June 5: 4 – 7 p.m. June 19: 3 – 5 p.m. June 20: 3 – 5 p.m. June 21: 2 – 6 p.m. June 22: 2 - 5 p.m. June 23: 2 - 6 p.m. June 29: 3 – 7 p.m. June 30: 3 – 7 p.m. Peak for the month: June 29 @ 6 p.m. (hour ending)

Cost of Service Study

• ACEC contracts Power Systems Engineering to evaluate the Cost of Service for members and adjust as our industry changes.

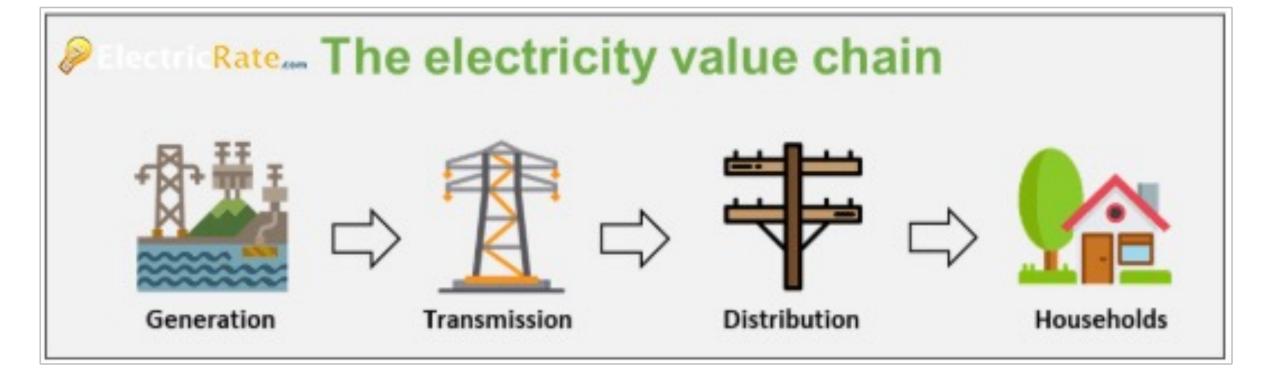


Let's Talk Rates

We evaluate rates by looking at our current rate structure and projections of wholesale power costs to ensure our rates are set fairly for each rate class and are adequate to cover our expenses at the cooperative. Increases across the industry, including cost of material and purchased power, factor into our rates.

Due to continuous changes in the energy market and additional infrastructure, primarily from solar projects, our power supplier, Alliant Energy, has increased our wholesale power rates. Our demand billed members will see this increase in their demand rates, and our residential members will see this increase in the power cost adjustment. Our 4.5% ownership in Alliant's West Riverside Energy Center in Beloit, WI (natural gas-fired power plant) has helped offset rate costs.





2024 Irrigation Rates – Coincident Peak

- Facility Charge
 - \$1,080 annually
 - Rate Code: MC6,NC6 12-month billing
 - \$90/month
- Energy Charge
 - On-Peak: 3.9¢/KWH
 - All hours including weekends and holidays.

- Demand Charge
 - Distribution Demand
 - \$7.50/kw of maximum demand
 - Any month demand is incurred
 - Coincident Peak Demand
 - \$38.58/kw of demand measured at the time of ACEC's power supply coincident peak
 - 12 months including weekends and holidays. (Change from 6 months).

2023 to 2024 CP Comparison With CP

100hp 1100GPM Well

• 2023		• 2024	
Facility Charge		Facility Charge	
• -\$85.00	\$85.00	• -\$90.00	\$90.00
 Irrigation-Farm Service 		 Irrigation-Farm Service 	
 039 x 27,247 KWH 	\$1,062.63	 039 x 27,247 KWH 	\$1,062.63
Peak Demand Charge		 Peak Demand Charge 	
 -\$33.60 x 65.354 KW 	\$2 <i>,</i> 195.89	 -\$38.58 x 65.354 KW 	\$2,521.36
Demand Charge		Demand Charge	
 -\$6.50 x 69.797 	\$453.68	• -\$7.50 x 69.797	\$523.48
Power Cost Adj		Power Cost Adj	
 - \$0173 X 27,247 KWH 	\$471.37 CR	 - \$0173 X 27,247 KWH 	\$471.37 CR
 WI Non-Tax program @ 3% 	\$1.50	 WI Non-Tax program @ 3% 	\$1.50
Total Amount Due	\$3,327.33	Total Amount Due	\$3,727.60

Coincident Peak

Service Addre	ss: WELL E	FG		Servi	ice Des	SC:		Location: 1222-33-444
Aeter Reading	Details F	rom: 06/	01/2023	To: 07/0	01/202	3	Detail of Charges	\$ Amount
	N	umber o	f Days:	30			Balance Forward	\$0.00
Meter kWh kW kW	148155652 148155652 148155652	MC6A	Previous 51434	Current 78682 65.354 69.797	Mult 1 1	Usage 27247 65.354 69.797	Facility Charge Irrigation-Farm Service 27,247 kWh @ 0.039 Peak Demand Charge 65.354 kW @ 38.58	\$90.00 \$1,062.63 \$2,521.36
Fotal Usage Fotal Demand P	lease see rev	erse side	for usage hi	story grapi	h.	27247 135.15	Demand Charge 69.797 kW @ 7.50 Power Cost Adjustment 27,247 kWh @ -0.0173	\$523.48 \$471.37 C
nformation Help us stuff the unused school throughout our Friendship offic	e bus this m supplies to o service area	onth! We donate to a. Donati	e're accepti local back	ng donati	ons of	ams	WI Non-Taxable Program @ 3.00% Current Electric Charges Total Electric Charges	
Coincident Pea	k: June 29 -	Hour En	ding 6:00 p	o.m.			Total Amount Due	\$3,727.60

Coincident Peak

Service Addre	ss: WELL EFC	G		Servi	ce Des	SC:	Map Lo	ocation: 1222-33-444
Aeter Reading	Details From	m: 06/	01/2023	To: 07/0	01/2023	3	Detail of Charges	\$ Amount
-	Nun	mber o	f Days:	30			Balance Forward	\$0.00
Meter	States and the state of the state		Previous		Mult	Usage	Facility Charge Irrigation-Farm Service	\$90.00
kWh kW	148155652 M 148155652 M		51434	78682 0	1 1	27247 0	27,247 kWh @ 0.039 Demand Charge	\$1,062.63
kW	148155652 M	IC6B		69.797	1	69.797	69.797 kW @ 7.50 Power Cost Adjustment	\$523.48
otal Usage						27247	27,247 kWh @ -0.0173	\$471.37 CR
Total Demand	lease see revers	se side t	for usage hi	story graph	n.	69.797	WI Non-Taxable Program @ 3.00% Current Electric Charges	\$1.50 \$1,206.24
nformation					12.00		Total Electric Charges	\$1,206.24
Help us stuff th unused school throughout our Friendship offic	supplies to dor service area.	nate to Donatio	local back	-to-schoo	l progra	ams		
Friendship office until Friday, July 28th. Coincident Peak: June 29 - Hour Ending 6:00 p.m.							Total Amount Due	\$1,206.24

<u>2024 Irrigation Rates – Time of Use</u>

- Facility Charge
 - \$1,080 annually
 - Rate Code: T6 12-month billing
 - \$90/month
- Energy Charge
 - On-Peak: 3.9¢/KWH
 - All hours including weekends and holidays.

- Demand Charge
 - Distribution Demand
 - \$7.50/kw of maximum demand
 - Any month demand is incurred
 - Peak Demand
 - \$ 24.50 per kW of registered maximum demand, between the hours of 1:00 p.m. -7:00 p.m. Monday through Friday.

2023 to 2024 TOU Comparison

40hp 600GPM Well

• 2023		• 2024	
Facility Charge		Facility Charge	
• -\$85.00	\$85.00	• -\$90.00	\$90.00
 Irrigation-Farm Service 		 Irrigation-Farm Service 	
 039 x 1226 KWH-Peak 	\$47.81	 039 x 1226 KWH-Peak 	\$47.81
 039 x 5032 KWH- Off Peak 	\$196.25	 039 x 5032 KWH- Off Peak 	\$196.25
Peak Demand Charge		Peak Demand Charge	
 -\$24.50 x 42.948 KW 	\$1,052.23	 -\$24.50 x 42.948 KW 	\$1,052.23
Demand Charge		Demand Charge	
 -\$6.50 x 45.151 	\$293.48	 -\$7.50 x 45.151 	\$338.63
Power Cost Adj		Power Cost Adj	
 \$.002221 X 1226 KWH 	\$2.72	 - \$.002221 X 1226 KWH 	\$2.72
 \$.002221 X 5032 KWH 	\$11.18	 \$.002221 X 5032 KWH 	\$11.18
WI Non-Tax program @ 3%	\$1.50	WI Non-Tax program @ 3%	\$1.50
Total Amount Due	\$1,690.17	Total Amount Due	\$1,740.32

Time of Use

Service Addre	ss: WELL A	вс		Serv	ice Des	sc:		cation: 1234-56-789
Meter Reading	Details Fr	om: 07/	01/2023	To: 08/0	01/202	3	Detail of Charges	\$ Amount
	Nu	mber o	of Days:	31		Balance Forward	\$0.00	
	Meter	Rate	Previous	Current	Mult	Usage	Facility Charge	\$90.00
On Peak kWh		T6-A	43923	50181	1	1226	Irrigation-Farm Service - Peak	
On Peak kW	152672671	T6-A		42.948	1	42.948	1,226 kWh @ 0.039	\$47.81
Mid Peak kWh		T6-B	43923	50181	1	5032	Irrigation-Farm Service - Off Peak	A100.05
Mid Peak kW		T6-B	10020	45.151	1	45.151	5,032 kWh @ 0.039	\$196.25
Total Usage	152072071	10-D		40.101		6258	Peak Demand Charge	\$1,052.23
Total Demand						88.1	42.948 kW @ 24.50 Demand Charge	\$1,052.23
Total Demand						00.1	45.151 kW @ 7.50	\$338.63
and the loss of the second	lease see reve	rse side	for usage hi	story graph	1.		Power Cost Adjustment	\$330.03
Information		1.1.1.1.1.1.1					1,226 kWh @ 0.002221	\$2.72
Coincident Pea	k: July 27 - H	our End	ling 5:00 p	.m.			Power Cost Adjustment	·
Mark your cale	ndars for our	upcomi	ng Tailgate	Events t	his fall!		5,032 kWh @ 0.002221	\$11.18
September 22n		-	-				WI Non-Taxable Program @ 3.00%	\$1.50
at Wautoma Hi	gh School. Re	ead this	issue of T	he Wire to	learn	more.	Current Electric Charges	\$1,740.32
							Total Electric Charges	\$1,740.32
							Total Amount Due	\$1,740.32

Time of Use

Service Addre	ss: WELL A	BC		Serv	ice Des	C:		ocation: 1234-56-789
Neter Reading	Details Fr	om: 07/	01/2023	To: 08/	01/2023	3	Detail of Charges	\$ Amount
	Nu	umber o	of Days:	31			Balance Forward	\$0.00
	Meter	Rate	Previous	Current	Mult	Usage	Facility Charge	\$90.00
On Peak kWh	152672671	T6-A	43923	50181	1	1226	Irrigation-Farm Service - Peak	
On Peak kW	152672671	T6-A		0	1	0	1,226 kWh @ 0.039	\$47.81
						0	Irrigation-Farm Service - Off Peak	
Mid Peak kWh	152672671	T6-B	43923	50181	1	5032	5,032 kWh @ 0.039	\$196.25
Mid Peak kW	152672671	T6-B		45.151	1	45.151	Demand Charge	
Total Usage						6258	45.151 kW @ 7.50	\$338.63
Total Demand						45.1	Power Cost Adjustment	
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nformation	lease see reve	erse side	for usage ni	story grapi	1.		Power Cost Adjustment	
	k. 1. h. 07 1		ling 5:00 m				5,032 kWh @ 0.002221	\$11.18
Coincident Pea	IK: JUIY 27 - F	iour End	ang 5:00 p	.m.			WI Non-Taxable Program @ 3.00%	\$1.50
Mark your calendars for our upcoming Tailgate Events this fall!							Current Electric Charges	\$688.09
September 22r at Wautoma Hi							Total Electric Charge	es \$688.09
							Total Amount Due	\$688.09

Question & Answer



Mark LaMore – Engineering/Operations Support Specialist-Key Accounts mlamore@acecwi.com (800) 831-8629 (608) 547-1076