

# Wisconsin Electric Interruptible Webinar

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# Agenda

- Introductions
- Overview of 2018
- Event day procedures
- Buy through/energy costs
- Penalties
- Q & A

# Electric interruptible program

## Benefits of participation

- Provides participants a discounted rate
- Reduces demand during peak critical system conditions
- Lessens the need to build or purchase energy at high market prices

## Current participation

- 128 customers, divided by rate
- Interruptible load ~142 MW

# Overview of 2018

- No Interrupts were called in 2018
  - Interrupt on Jan 30, 2019
- First winter interrupt since 2003
- Annual system peak was June 29, 2018 at 5 p.m.
  - Load was near 2,647 MW
  - Historic peak was July 17, 2006 at 2,941 MW

# Decision to interrupt

We monitor forecasted loads and high demand days

- Reliability
  - System integrity, transmission issues & MISO
  - Annual limit 150 hours
- Economic – Reducing Peak Demand
  - Peak shaving
  - Energy prices are expected to exceed a threshold price level expressed as the cost per kWh of WPL's highest available generation resource
  - Annual limit 50 hours

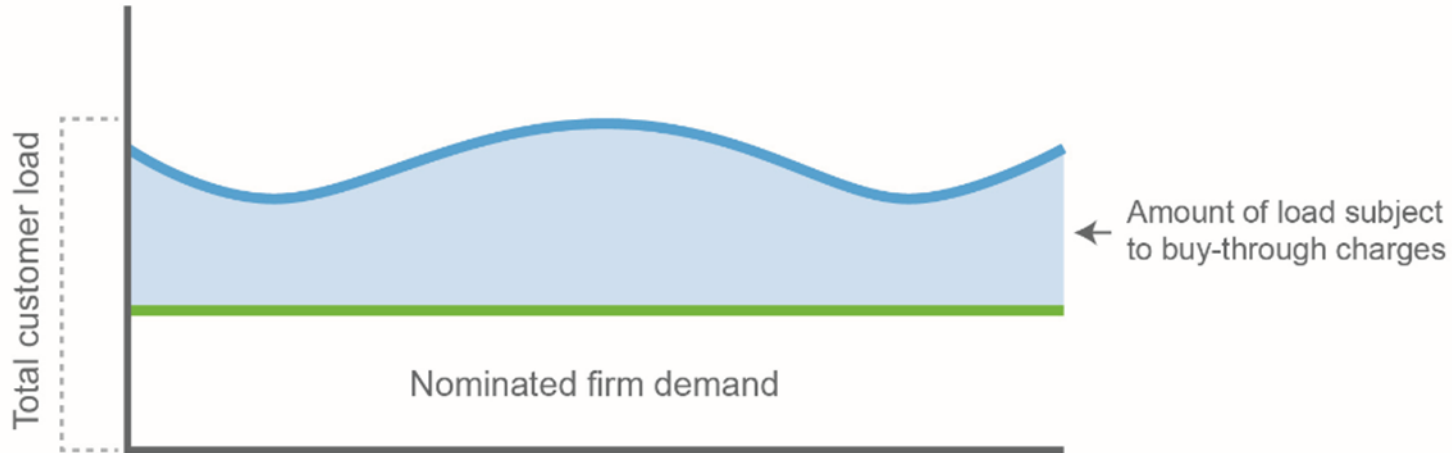
# Interrupt Process

- If an interruptible event is warranted, customers will be given their required notice (instantaneous or one hour)
- Event process:
  1. Interruptible website and hotline updated
    - Will be updated first and have more detailed information
  2. Interrupt notification sent (phone, cell, email and text)
  3. Customer acknowledges receipt of notification
  4. Interrupt begins
    - Extension if needed
  5. End of event notification sent
  6. Participant curtailment analysis completed

# Load subject to buy through charges

## Buy-through option

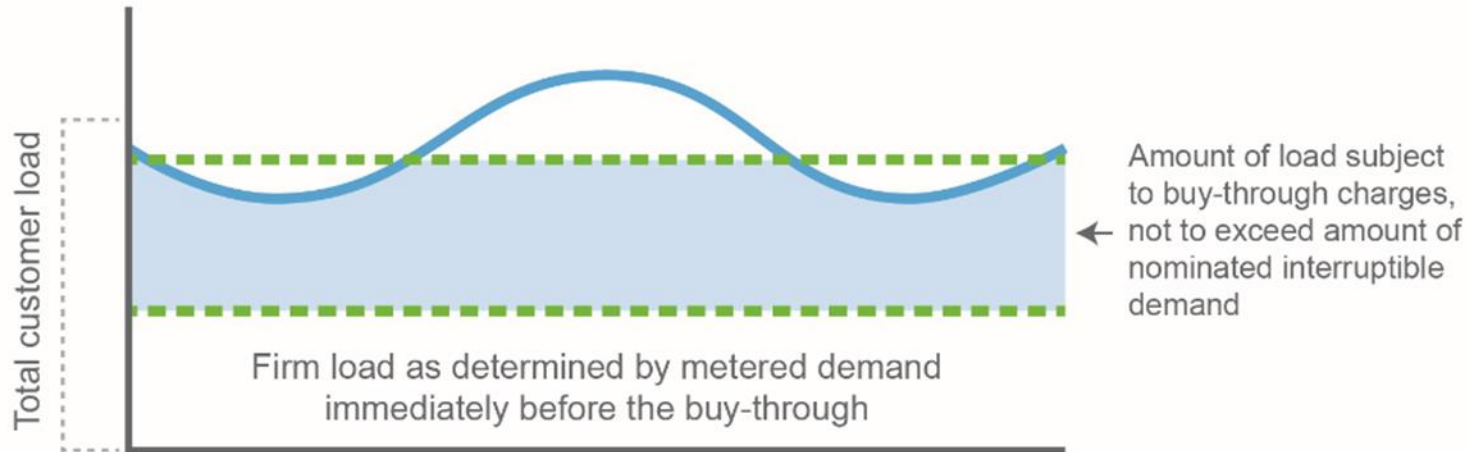
If customer has nominated firm demand



# Load subject to buy through charges with a nominated interruptible demand

## Buy-through option

If customer has nominated interruptible demand





Wisconsin Power and Light Company										CP-1 INT: Economic Interruption			Volume III, 21st Revision, Sheet No. 7.60		
Company:										Amendment 526, Schedule Cp-INT					
Account #:		SA ID:		Needs load and MISO LMP updated						Effective:		1/1/2017			
Event Date:		7/22/2016													
Begin Time:		11:00 AM										kWh Market Rate			
End Time:		6:00 PM										Tariff Rate			
Hour Ending (CST/CDT)	Customer Energy Usage kWh	Firm Nomination	Interruptible Nomination	Buy-through Load	Expense @ Market Price \$/kWh	Market Buy-through Hourly Cost	Partial Hour Adjust	Market Rate Buy-through Value	Hour Ending (EST) standard	MISO LMP for ALTE ALTE Day-Ahead (DA) \$/mWh	Market Price MISO LMP \$/mWh 110%	Cp-1 Tariff Rate \$/mWh Summer	Fuel Adjustment \$/mWh	Standard Energy Rate Billing for Int Load	
HE1	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 1	\$0.00	\$0.00	40.48	0.00	\$0.00	
HE2	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 2	\$0.00	\$0.00	40.48	0.00	\$0.00	
HE3	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 3	\$0.00	\$0.00	40.48	0.00	\$0.00	
HE4	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 4	\$0.00	\$0.00	40.48	0.00	\$0.00	
HE5	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 5	\$0.00	\$0.00	40.48	0.00	\$0.00	
HE6	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 6	\$0.00	\$0.00	40.48	0.00	\$0.00	
HE7	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 7	\$0.00	\$0.00	51.68	0.00	\$0.00	
HE8	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 8	\$0.00	\$0.00	51.68	0.00	\$0.00	
HE9	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 9	\$0.00	\$0.00	51.68	0.00	\$0.00	
HE10	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 10	\$0.00	\$0.00	51.68	0.00	\$0.00	
HE11	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 11	\$0.00	\$0.00	51.68	0.00	\$0.00	
HE12	500	100	-	400	\$0.3850	\$154.00	\$0.00	\$154.00	HE 12	\$350.00	\$385.00	69.86	0.00	\$27.94	
HE13	500	100	-	400	\$0.1980	\$79.20	\$0.00	\$79.20	HE 13	\$180.00	\$198.00	69.86	0.00	\$27.94	
HE14	500	100	-	400	\$0.2090	\$83.60	\$0.00	\$83.60	HE 14	\$190.00	\$209.00	69.86	0.00	\$27.94	
HE15	500	100	-	400	\$0.2750	\$110.00	\$0.00	\$110.00	HE 15	\$250.00	\$275.00	69.86	0.00	\$27.94	
HE16	500	100	-	400	\$0.3300	\$132.00	\$0.00	\$132.00	HE 16	\$300.00	\$330.00	69.86	0.00	\$27.94	
HE17	500	100	-	400	\$0.3025	\$121.00	\$0.00	\$121.00	HE 17	\$275.00	\$302.50	69.86	0.00	\$27.94	
HE18	500	100	-	400	\$0.2200	\$88.00	\$0.00	\$88.00	HE 18	\$200.00	\$220.00	69.86	0.00	\$27.94	
HE19	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 19	\$0.00	\$0.00	69.86	0.00	\$0.00	
HE20	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 20	\$0.00	\$0.00	51.68	0.00	\$0.00	
HE21	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 21	\$0.00	\$0.00	51.68	0.00	\$0.00	
HE22	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 22	\$0.00	\$0.00	51.68	0.00	\$0.00	
HE23	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 23	\$0.00	\$0.00	51.68	0.00	\$0.00	
HE24	500	100	-	400	\$0.0000	\$0.00	\$0.00	\$0.00	HE 24	\$0.00	\$0.00	40.48	0.00	\$0.00	
Daylight Savings									standard						
													\$195.61		
* Information in blue font needed to complete reconciliation.					kWh at Market Rate Value:				\$767.80		High Rate (Summer) 11 a.m. to 7 p.m.				
					Reduction for Standard Energy Rate Billing:				\$195.61		High Rate (Winter) 5 p.m. to 9 p.m.				
					Economic Buy through Cost:				\$572.19		Low Rate 11 p.m. to 6 a.m.				
											Regular Rate All Other Hours				



# Event day: Finding information

- Alliant Energy website
  - [alliantenergy.com/interrupteventstatus](http://alliantenergy.com/interrupteventstatus)
  - Wisconsin service area (electric customers)
  - Provides status update and current interruption data
- Interruptible Hotline **1-800-241-0588**
  - Please follow the prompts
  - At anytime, press 5 for the Business Resource Center
    - Business Resource Center, M-F, 8 a.m. to 5 p.m.
- Website and hotline updated first before notifications



# [Alliantenergy.com/interrupteventstatus](http://Alliantenergy.com/interrupteventstatus)

## Interruptible status – Wisconsin service area

Weather and system conditions are such that we are at the following interruption status:

### **Electric Customers**

*Last updated Feb 27, 2019 @ 2:15 p.m.*

Alliant Energy is issuing an **INTERRUPT NOTICE** to participating customers in the Wisconsin electric interrupt program with One hour notice (Wave 31) to reduce their electrical usage to their contracted kW firm levels starting **Wednesday, July 5, 2019 @ 1:00pm**. This is an **ECONOMIC INTERRUPT** called for excessive Day Ahead pricing at \$150/MWh at Hour Ending (HE) 2:00pm, \$200/MWh at HE 3:00pm, \$250/MWh at HE 4:00pm and \$300/MWh at HE 5:00pm. This event is estimated to end at 5:00 pm on Wednesday, July 5, 2019. Customers that choose to buy through will be charged the Day Ahead energy costs plus 10% MISO administrative fee for energy used above their contracted firm level.

For further updates call 1-800-241-0588, press 5 at anytime to speak with the Business Resource Center. Their hours are M - F, 8 a.m. - 5 p.m.



# Interruptible message example

Text and Email  
example

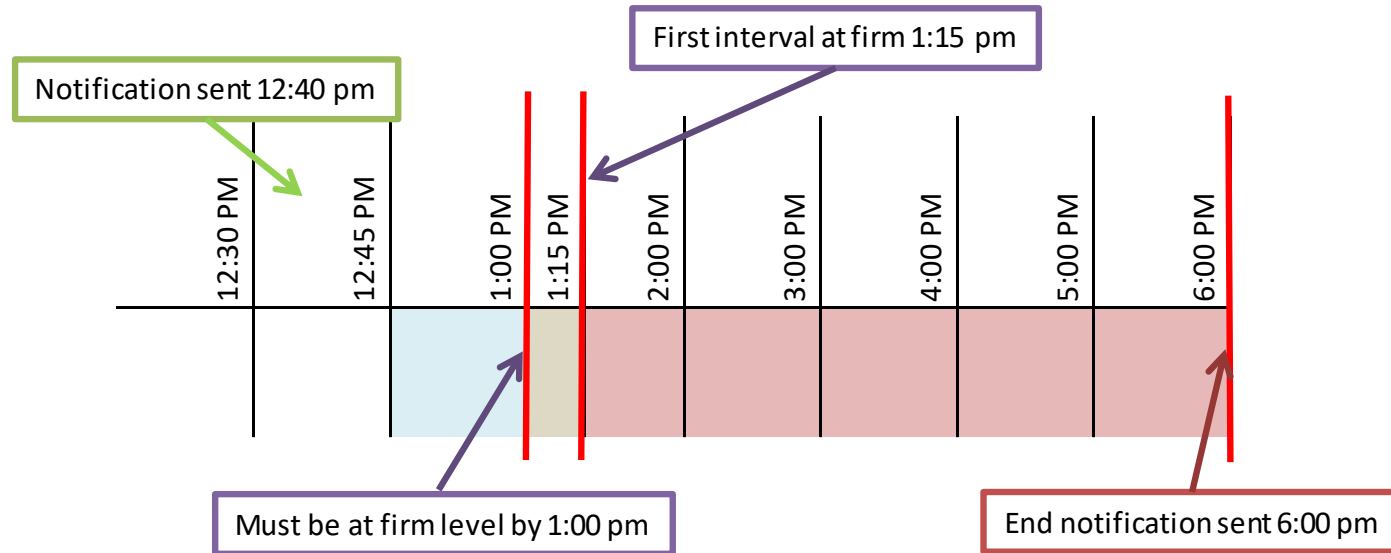
## Wisconsin Instantaneous Interrupt notice

Alliant Energy is calling a **RELIABILITY INTERRUPT** for all Wisconsin **Instantaneous notice** customers on the Electric Interruptible program. Customers receiving this notice must reduce load to their contracted firm levels by **Wednesday, Oct 31 at 8:15 AM**. This event is estimated to end on **Wednesday, Oct 31 at 11:30 AM**. The buy through option is **not** available for this event. For more information, call 1-800-241-0588.

# Penalties

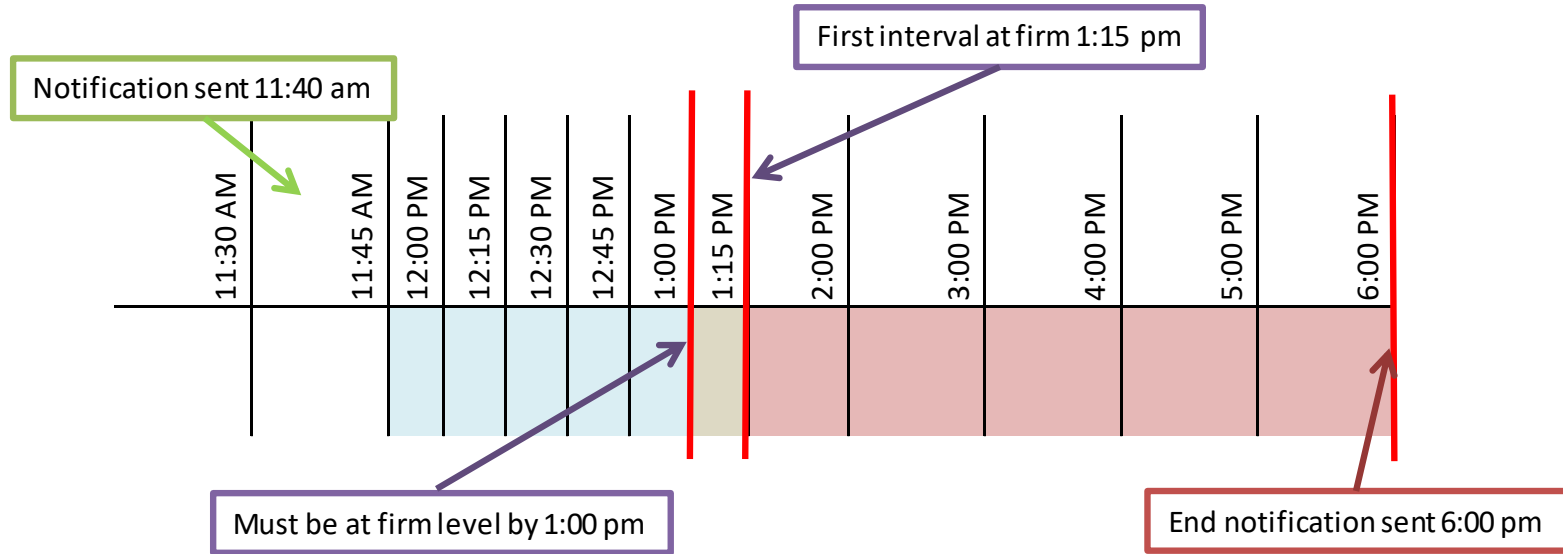
- If usage exceeds contracted firm level
  - Usage above contracted firm level \$25.00 per kW
  - 125% of the LMP price at that hour ending period
- Penalty is for 12 months
- A second occurrence within the 12 month period raises the per kW charge to \$35 and 150% on the most expensive LMP price

# Instantaneous notice rate (CP-1B or 2B)



The customer must have the ability to curtail load to Contracted Demand Levels within **ten minutes** of receiving notification of an interruption. In practice the expectation is that Contracted Demand Levels compliance will occur in the **second full 15-minute interval** following receipt of notification, unless specific interruptible event times are otherwise communicated as part of the interruption notification.

# One Hour notice rate (CP 1A or 2A)



The customer must have the ability to curtail load to Contracted Demand Levels within **one hour** of receiving notification of an interruption. In practice the expectation is that Contracted Demand Levels compliance will occur in the **fifth full 15-minute interval** following receipt of notification, unless specific interruptible event times are otherwise communicated as part of the interruption notification.

# Communications test

- 1 p.m. today
- Communications test only
  - No action required
- Who should receive notice has
  - Will follow up on all contacts that didn't receive notice



# Questions

- Call

- Key account manager or Business Resource Center
- 1-866-ALLIANT (866-255-4268), follow the prompts

- Email

- [interruptible@alliantenergy.com](mailto:interruptible@alliantenergy.com)
- Contact your key account manager or the Business Resource Center for rate analysis if you would like to raise or lower contracted firm levels