

HASTINGS UTILITY BOARD AGENDA

**Hastings Public Library
314 N. Denver Avenue
November 10, 2021
9:00 AM**

ROLL CALL:

PLEDGE OF ALLEGIANCE:

MOTION TO ADOPT CURRENT AGENDA FOR November 10, 2021 REGULAR MEETING.

PUBLIC NOTICE - Official Notice of the Regular Meeting was published in the Hastings Tribune on Monday, November 8, 2021. Pursuant to Nebraska Revised Statute Section 84-1412, the public is advised that a copy of today's agenda and all reproducible written material which will be discussed at today's meeting is located at the back of the Hastings Public Library. Also, a current copy of the Nebraska Open Meetings Act is posted on the south wall of the Hastings Public Library, which is accessible to members of the public.

MANAGER'S COMMUNICATIONS:

BOARD CHAIRMAN'S COMMUNICATIONS:

BOARD MEMBERS' COMMUNICATIONS:

CITIZEN COMMUNICATIONS:

CONSENT AGENDA:

1. All Consent Items.
 - (a) Approval of the minutes of the Hastings Utility Board Meeting of October 14, 2021 and October 28, 2021.

REGULAR AGENDA:

2. Unfinished Business of Preceding Meeting.
 - a Economic Development Funds use for Workforce Development
3. General Business.
 - (a) Finance

- (b) Production
- (c) Operations
- (d) Administration
- (e) Other
 - i. Strategic Initiatives Supporting HU Operations
 - ii. SPP Market Participation Overview
 - iii. 3505 Yost Building acquisition from HEDC recommendation

4. Possible Closed Session (if necessary or requested).

ADJOURN:

The Hastings Utility Board reserves the right to enter into an executive session at any time during the meeting, in accordance with the Nebraska Open Meetings Act, even though the closed session may not be indicated on the agenda. It is the intention of the Hastings Utility Board to take up the items on the agenda in sequential order. However, the Hastings Utilities Board reserves the right to take up matters in a different order to accommodate the schedule of the Utility Board Members, persons having items on the agenda, and the public.

CITY OF HASTINGS, NEBRASKA
MINUTES OF UTILITY BOARD REGULAR MEETING
Thursday, October 14, 2021

Pursuant to due call and notice thereof, a Regular Meeting of the Utility Board of Hastings, Nebraska was conducted Hastings Public Library, 314 N. Denver Avenue, on October 14, 2021.

ROLL CALL:

The meeting was called to order at 9:00 a.m. in Regular Session by Bill Hitesman with the following members present: Mark Hemje, Susan Meeske, Shayne Raitt, Kevin Johnson, Shawn Hartmann, Derek Ziesler, Lee Vroomman, Keith Leonhardt, Richard Klienhample, Eric Nelson, Karen Rennick, Corey Stutte, Dave Ptak, Lori Hartman, Clint Shukei, Roger Nash, Butch Ehly, Brandon Lubken, Bob Davis, Ed Fleharty, Doug Baumgart, Noel Nienhueser
Absent: Jeanette Dewalt

PLEDGE OF ALLEGIANCE:

Bill Hitesman led the group in the recital of the Pledge of Allegiance to the United States of America.

MOTION TO ADOPT CURRENT AGENDA FOR October 14, 2021 REGULAR MEETING.

Moved by Hemje and seconded by Meeske to adopt the current agenda for the October 14, 2021 Regular Meeting. Roll Call: Ayes: Hitesman, Meeske, Hemje, Raitt. Nays: None. Absent: Jeanette Dewalt The motion carried.

PUBLIC NOTICE - Official Notice of the Regular Meeting was published in the Hastings Tribune on Tuesday, October 12, 2021. Pursuant to Nebraska Revised Statute Section 84-1412, the public is advised that a copy of today's agenda and all reproducible written material which will be discussed at today's meeting is located at the back of the Hastings Library. Also, a current copy of the Nebraska Open Meetings Act is posted on the south wall of the Hastings Library, which is accessible to members of the public.

MANAGER'S COMMUNICATIONS:

The last agenda item for today is strategic plans overview by just the utility department leader group. Next month is to have the strategic plans by the support groups. These are to include highlights, what's worked on, and what's planned.

BOARD CHAIRMAN'S COMMUNICATIONS:

None

BOARD MEMBERS' COMMUNICATIONS:

None

CITIZEN COMMUNICATIONS:

None

CONSENT AGENDA:

1. All Consent Items.

- (a) Approval of the minutes of the Hastings Utility Board Meeting of September 9, 2021.

Meeske moved, Hemje 2nd. Roll Call: Ayes: Bill Hitesman, Mark Hemje, Susan Meeske, Shayne Raitt. Nays: None. Absent: Jeanette Dewalt. Approved.

REGULAR AGENDA:

2. Unfinished Business of Preceding Meeting.

3. General Business.

- (a) Finance

i. Cooling/Heating Degree days

The audit will be from December 13th through 15th. February 1st will be going live with the ERP.

Derek provided a presentation. There is no need for heating or cooling to be comfortable when the temperature is 65 degrees.

February add-ons are no longer being added to customers' bills.

- (b) Production

i. Solar Farm Subscribed

Slide from strategic plan, phase 1 statistics.

A total of 73 customer accounts are enrolled. 11% commercial, 89% residential.

Customer participation-57% shares, 33% panels, 10% combination

Current capacity payt the solar farm is at 78%, pending agreement would make capacity at 96%

(c) Operations

(d) Administration

i. EE Turnover

Kevin discussed his slide.

Lori Hartman provided data that represents the slide.

The turnover rate is from September 2018 to September 2021.

2 deceased, 4 involuntary, 1 position eliminated, 9 resigned-new job, 4 resigned-performance, 28 retired, 13 transferred to city, 8 resigned-personal

Every time there is a turnover, they have to reevaluate and access the position before hiring or replacing.

(e) Other

i. Use of Economic Development Funds for Workforce Recruitment

Jeanette requested this be deferred until a full board is here at last month's meeting.

Kevin is asking for this to be deferred again until Jeanette returns at the next meeting.

Derek went over the amended agreement.

Bill: Contract needs to be updated. How are we going to replenish the funds that are taken out?

What will the \$50,000 be used for? More explanation about how it will be used. Would like Michael to come in and explain how it will be used.

Table for next month, would like all board members to be present to vote.

ii. Strategic Plans Update

Superintendents discussed their slide presentations.

Bob - Safety

Keith - Capital Management

Derek - Solar Farm

Richard - WEC (Whelan Energy Center)

Noel - Substations

Doug - Electric

Ed - Gas

Brandan - Water/Sewer

4. Possible Closed Session (if necessary or requested).

Moved by Mark Hemje seconded by Susan Meeske to go into closed session. Went into closed session at 10:30 am for reasons of real estate negotiations. Roll Call: Ayes: Bill Hitesman, Mark Hemje, Shayne Raitt, Susan Meeske. Nays: None. Absent: Jeanette Dewalt

Moved by Mark Hemje seconded by Susan Meeske to come out of closed session at 11:04 am. Roll Call: Ayes: Bill Hitesman, Mark Hemje, Shayne Raitt, Susan Meeske. Nays: None. Absent: Jeanette Dewalt
Motioned carried.

ADJOURN:

Moved by Susan Meeske seconded by Mark Hemje there being no further business to adjourn at 11:05 am. Roll Call: Ayes: Bill Hitesman, Mark Hemje, Susan Meeske, Shayne Raitt. Nays: None. Absent: Jeanette Dewalt. Meeting Adjourned.

APPROVED:

Board Secretary

CITY OF HASTINGS, NEBRASKA
MINUTES OF UTILITY BOARD REGULAR MEETING
Thursday, October 28, 2021

Pursuant to due call and notice thereof, a Regular Meeting of the Utility Board of Hastings, Nebraska was conducted in the Utility Boardroom of North Denver Station, 1228 N. Denver Avenue, on October 28, 2021.

ROLL CALL:

The meeting was called to order at 8:30 am in special session by Bill Hitesman with the following members present. Susan Meeske, Jeanette Dewalt, Mark Hemje, Shayne Raitt, Kevin Johnson,

PLEDGE OF ALLEGIANCE:

Bill Hitesman led the group in the recital of the Pledge of Allegiance to the United States of America.

MOTION TO ADOPT CURRENT AGENDA FOR 10/28/21 SPECIAL MEETING.

Motioned by Raitt, seconded by Dewalt to adopt the current agenda for the October 28, 2021 special meeting.

PUBLIC NOTICE - Official Notice of the Special Meeting was published in the Hastings Tribune on Tuesday, October 26, 2021. Pursuant to Nebraska Revised Statute Section 84-1412, the public is advised that a copy of today's agenda and all reproducible written material which will be discussed at today's meeting is located at the back of the Hastings Utilities Board Room. Also, a current copy of the Nebraska Open Meetings Act is posted on the south wall of the Board Room, which is accessible to members of the public.

MANAGER'S COMMUNICATIONS:

None

BOARD CHAIRMAN'S COMMUNICATIONS:

None

BOARD MEMBERS' COMMUNICATIONS:

None

CITIZEN COMMUNICATIONS:

CONSENT AGENDA:

1. All Consent Items.

REGULAR AGENDA:

2. Unfinished Business of Preceding Meeting.

3. General Business.

(a) Finance

(b) Production

(c) Operations

(d) Administration

(e) Other

4. Possible Closed Session (if necessary or requested).

Motion to go into closed session by Dewalt, seconded by Hemje.

Went into closed session at 8:32 am for reasons of real estate negotiations Roll Call:

Ayes: Bill Hitesman, Jeanette Dewalt, Mark Hemje, Susan Meeske, Shayne Raitt.

Nays: None. Absent: None

Motion to come out of close session at 9:32 am. by Dewalt and seconded by

Hemje. Roll Call: Ayes: Bill Hitesman, Jeanette Dewalt, Mark Hemje, Susan Meeske,

Shayne Raitt. Nays: None. Absent: None

Motion Carried.

ADJOURN:

Moved by Jeanette Dewalt seconded by Mark Hemje there being no further business to adjourn at 9:33 am. Roll Call: Ayes: Bill Hitesman, Mark Hemje, Susan Meeske, Shayne Raitt, Jeanette Dewalt. Nays: None. Absent: None

The motion carried.

APPROVED:

Board Secretary

Hastings Utilities

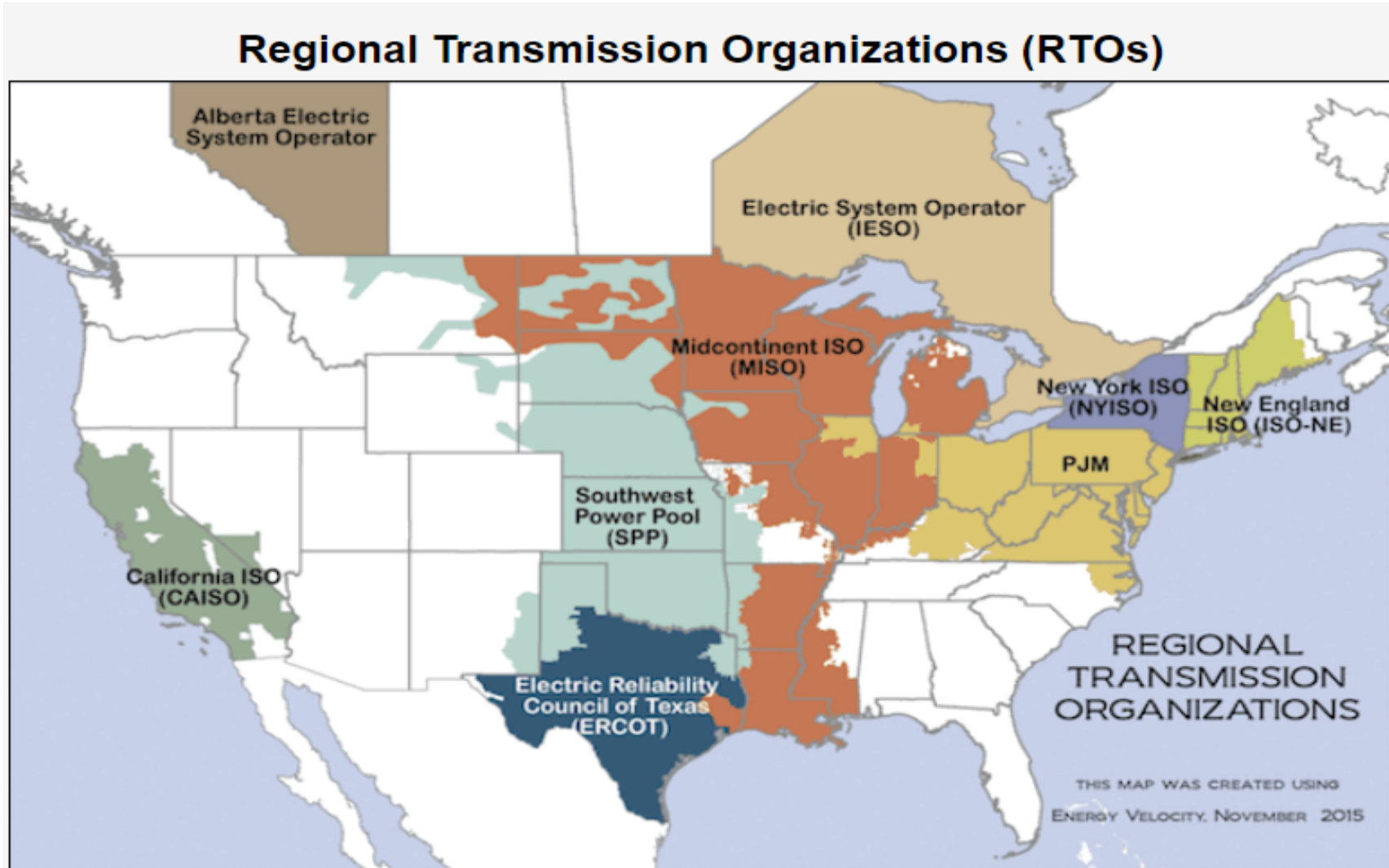
SPP Market Interactions & Players

Advisory Board Meeting November 10, 2021

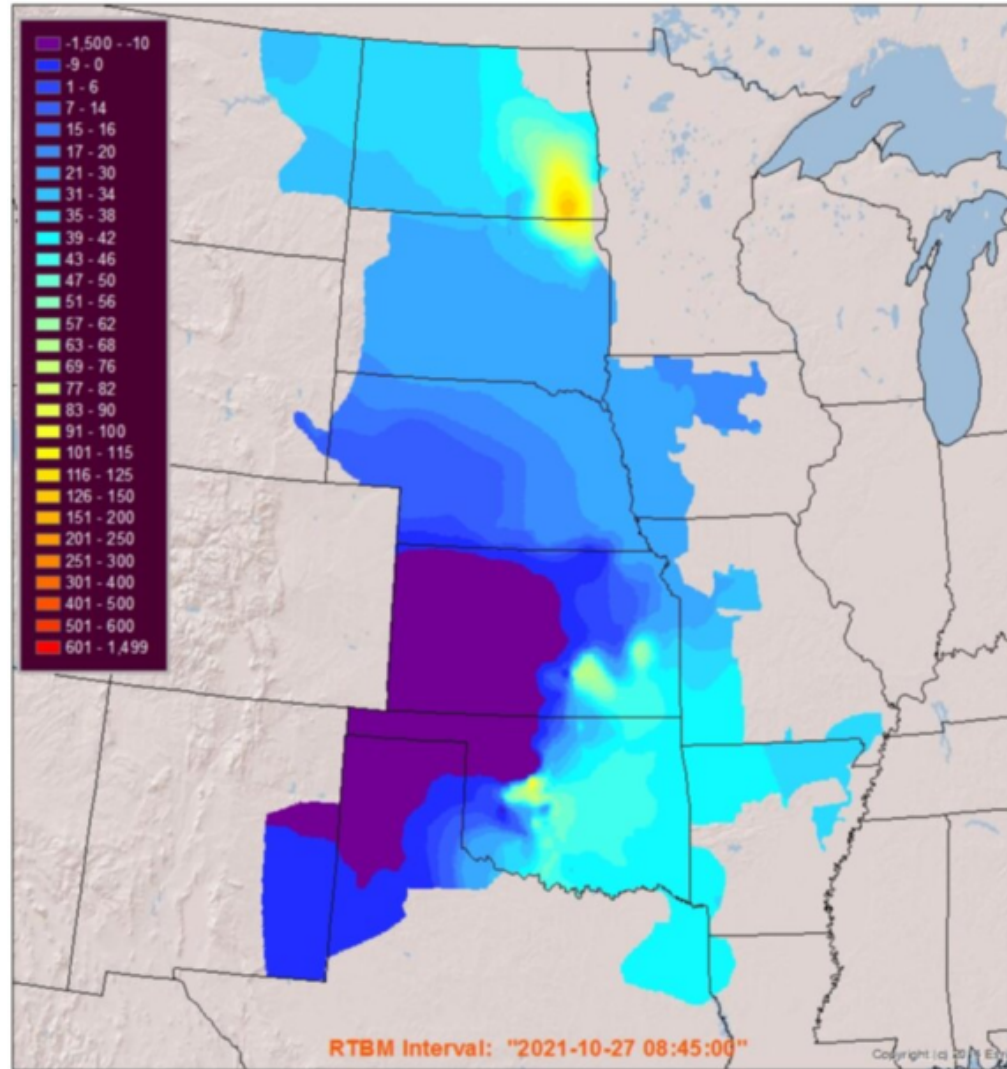
Southwest Power Pool - SPP

- One of seven Regional Transmission Organizations (RTO)
- RTOs are the “air traffic controllers” of the electric power grid
- RTOs operate the grid minute-by-minute to ensure power gets to customers and works to eliminate power shortages

RTOs in the USA

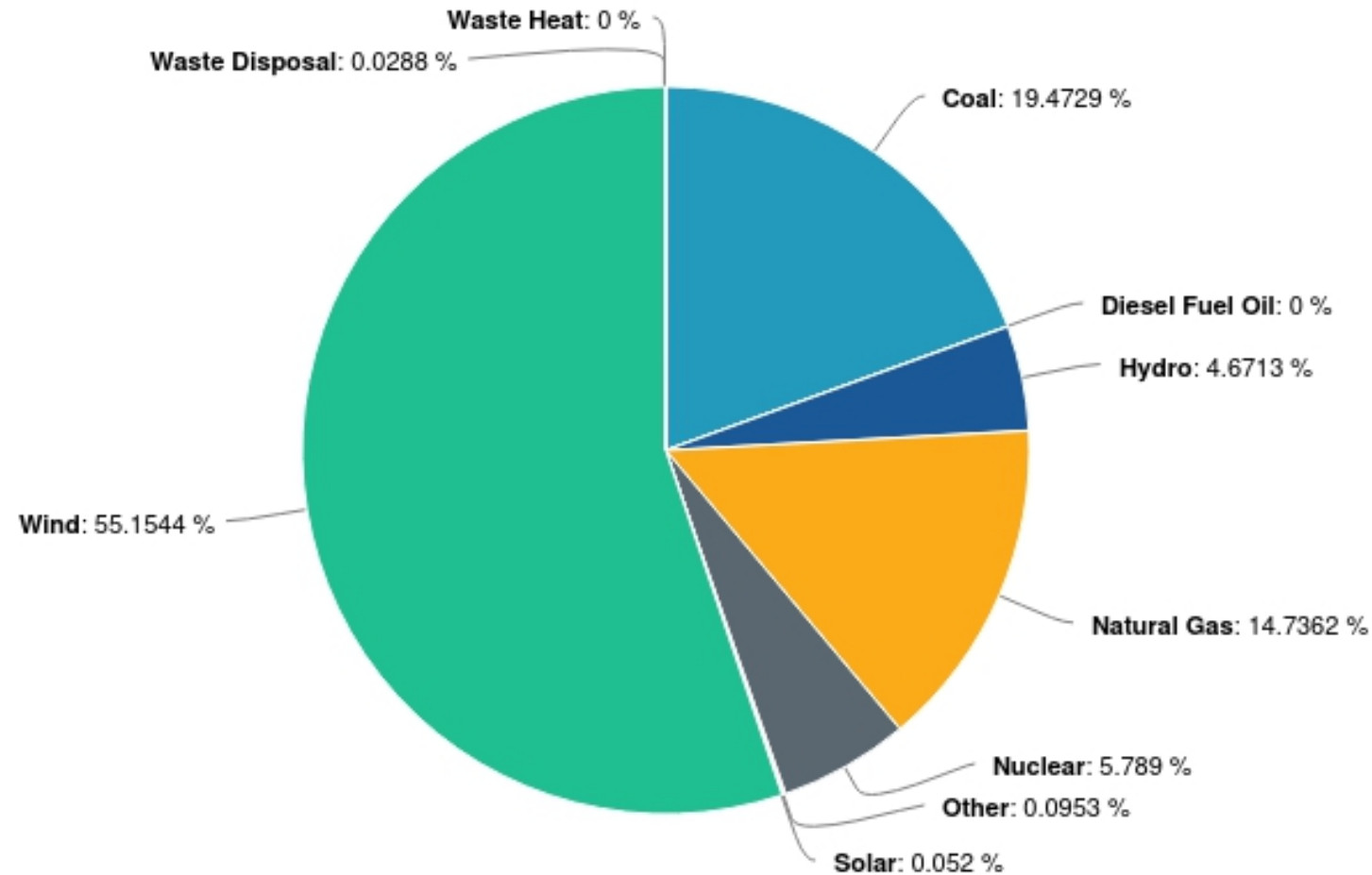


SPP Footprint



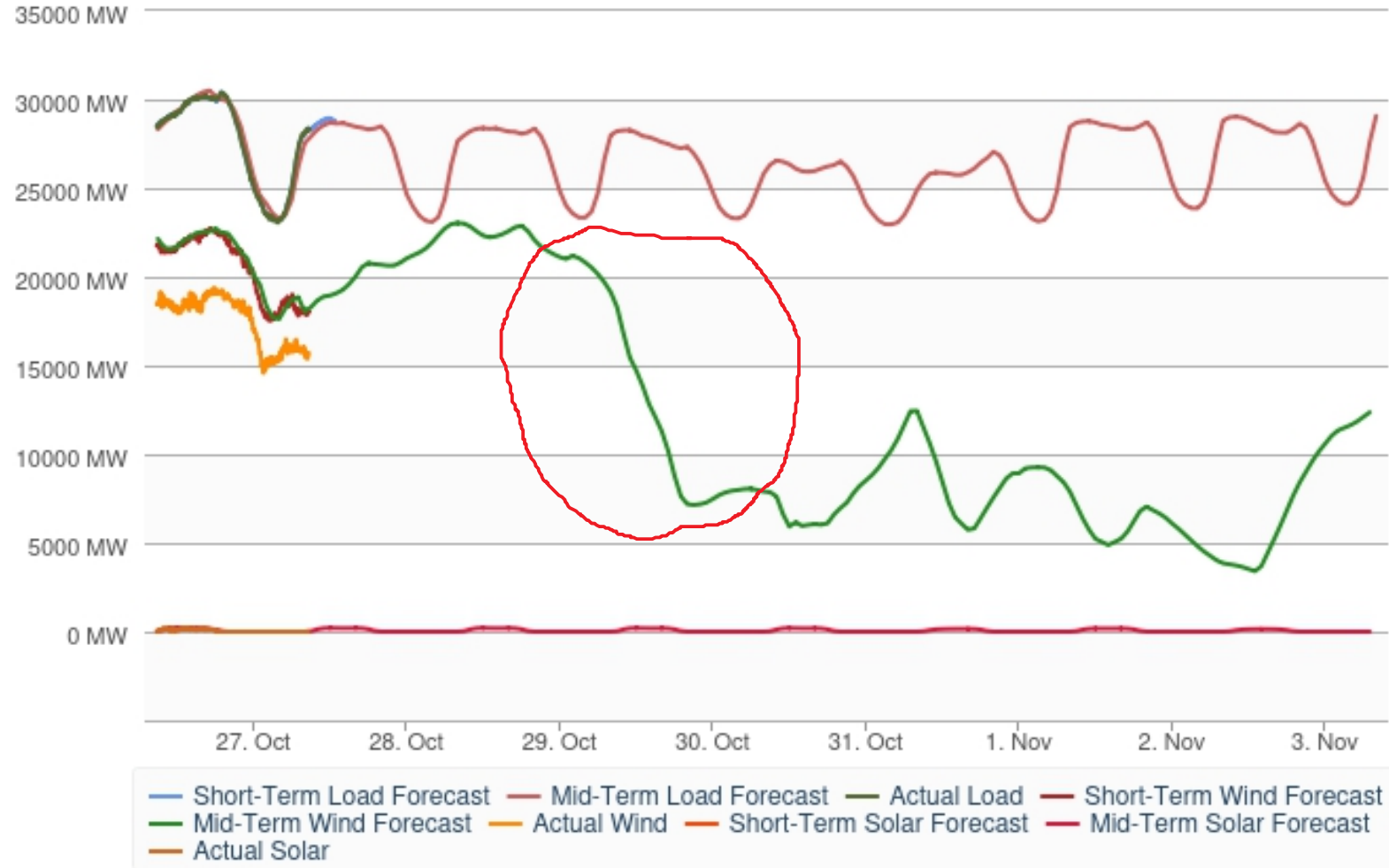
SPP Generation Mix

GENERATION MIX for 10/27 at 08:35 (Central Time)



SPP Forecast

FORECAST VS. ACTUAL for 10/27 at 08:50 (Central Time)



Tenaska Power Services

- Tenaska Power Services serves as the Market Participant (MP) for Hastings
- Provides energy management and settlement services
- Electric Generation and City Demand bids are submitted to Tenaska Daily

How it works

- SPP IM Template
- City Demand Purchases & Electric Generation Sales

TENASKA® POWER SERVICES Co.

MP: Tenaska Power Services Co. MP Acronym: TNSK
Entity: Hastings Utilities AO Acronym: TNHU_X
Flow Date: 9/20/2021
Version: 2.0

Send Workbook

Resource Offers

Energy Offer

Daily Parameters

Ancillary Offer

Ramp Rates

Ramp Rate Up

Regulation Ramp Rate

Ramp Rate Down

Contingency Ramp
Rate

Day Ahead City Demand

Day Ahead Demand Awarded Energy Volumes - 10/07/2021		
	Hastings Load	
HE (CPT)	MW	LMP
01	38.1	\$2.10
02	37.6	(\$0.51)
03	37.0	(\$0.20)
04	35.8	\$1.22
05	36.9	\$3.67
06	38.3	\$8.20
07	42.8	\$20.02
08	46.8	\$19.70
09	48.4	\$26.62
10	49.5	\$43.28
11	50.8	\$47.49
12	51.9	\$47.87
13	52.6	\$46.27
14	54.0	\$49.72
15	54.6	\$52.63
16	55.1	\$59.86
17	55.5	\$65.15
18	54.5	\$63.62
19	53.8	\$61.33
20	52.5	\$38.25
21	51.9	\$16.93
22	49.7	\$6.18
23	45.5	\$5.47
24	41.7	\$2.23
Daily Average	47.3	\$28.63
On-Peak Average	51.5	\$41.56
Off-Peak Average	38.9	\$2.77

Awarded Day Ahead Generation

Day Ahead Awarded Energy Volumes - 10/07/2021										
	HAST Don Henry		HAST North Denver 4		HAST North Denver 5		Whelan Energy Center Unit 1 (CIR)		Whelan Energy Center Unit 2 (CIR)	
HE (CPT)	MW	LMP	MW	LMP	MW	LMP	MW	LMP	MW	LMP
01	0.0	\$2.12	0.0	\$2.09	0.0	\$2.09	32.0	\$2.12	121.0	\$2.15
02	0.0	(\$0.50)	0.0	(\$0.52)	0.0	(\$0.52)	32.0	(\$0.49)	121.0	(\$0.46)
03	0.0	(\$0.19)	0.0	(\$0.21)	0.0	(\$0.21)	32.0	(\$0.17)	121.0	(\$0.15)
04	0.0	\$1.23	0.0	\$1.21	0.0	\$1.21	32.0	\$1.23	121.0	\$1.27
05	0.0	\$3.68	0.0	\$3.66	0.0	\$3.66	32.0	\$3.64	121.0	\$3.70
06	0.0	\$8.21	0.0	\$8.20	0.0	\$8.20	32.0	\$8.10	124.8	\$8.20
07	0.0	\$20.04	0.0	\$20.03	0.0	\$20.03	54.4	\$19.82	169.8	\$19.97
08	0.0	\$19.71	0.0	\$19.71	0.0	\$19.71	71.4	\$19.47	192.3	\$19.63
09	0.0	\$26.64	0.0	\$26.66	0.0	\$26.66	70.5	\$26.32	208.8	\$26.49
10	0.0	\$43.30	0.0	\$43.34	0.0	\$43.34	76.0	\$42.82	220.0	\$43.06
11	0.0	\$47.51	0.0	\$47.55	0.0	\$47.55	76.0	\$46.98	220.0	\$47.24
12	0.0	\$47.89	0.0	\$47.94	0.0	\$47.94	76.0	\$47.34	220.0	\$47.60
13	0.0	\$46.30	0.0	\$46.34	0.0	\$46.34	76.0	\$45.78	220.0	\$46.04
14	0.0	\$49.75	0.0	\$49.80	0.0	\$49.80	76.0	\$49.19	220.0	\$49.46
15	0.0	\$52.66	0.0	\$52.71	0.0	\$52.71	76.0	\$52.08	220.0	\$52.36
16	0.0	\$59.90	0.0	\$59.96	0.0	\$59.96	76.0	\$59.23	220.0	\$59.55
17	0.0	\$65.19	0.0	\$65.25	0.0	\$65.25	76.0	\$64.49	220.0	\$64.82
18	0.0	\$63.65	0.0	\$63.72	0.0	\$63.72	76.0	\$62.98	220.0	\$63.30
19	0.0	\$61.36	0.0	\$61.42	0.0	\$61.42	76.0	\$60.71	220.0	\$61.04
20	0.0	\$38.28	0.0	\$38.29	0.0	\$38.29	76.0	\$37.86	220.0	\$38.13
21	0.0	\$16.95	0.0	\$16.97	0.0	\$16.97	70.5	\$16.60	208.8	\$16.79
22	0.0	\$6.19	0.0	\$6.19	0.0	\$6.19	48.1	\$6.00	163.8	\$6.12
23	0.0	\$5.48	0.0	\$5.47	0.0	\$5.47	33.3	\$5.32	121.5	\$5.44
24	0.0	\$2.24	0.0	\$2.22	0.0	\$2.22	32.0	\$2.18	121.0	\$2.25
Daily Average	0.0	\$28.65	0.0	\$28.67	0.0	\$28.67	58.7	\$28.32	180.7	\$28.50
On-Peak Average	0.0	\$41.58	0.0	\$41.62	0.0	\$41.62	71.9	\$41.10	210.2	\$41.35
Off-Peak Average	0.0	\$2.78	0.0	\$2.77	0.0	\$2.77	32.2	\$2.74	121.5	\$2.80

Reliability Unit Commitment (RUC)

- Unexpected Electric Generation
- Produces adequate generation to meet SPP Load Forecast
- Causes:
 - Unexpected Unit Trips
 - Constraints
 - Transmission Congestion
 - Unexpected Load

Questions