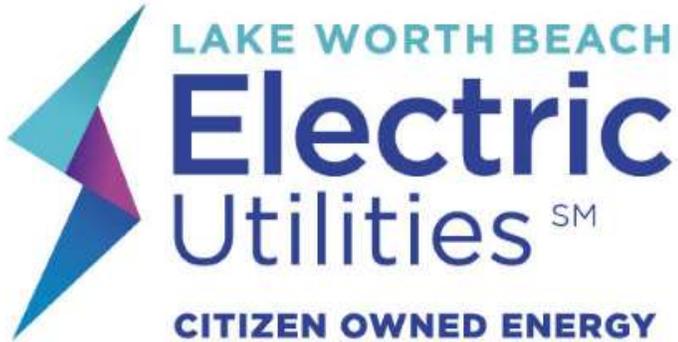


LAKE WORTH BEACH

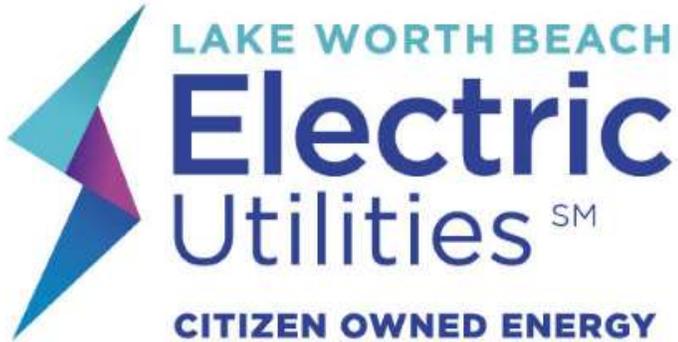
Electric
UtilitiesSM

CITIZEN OWNED ENERGY



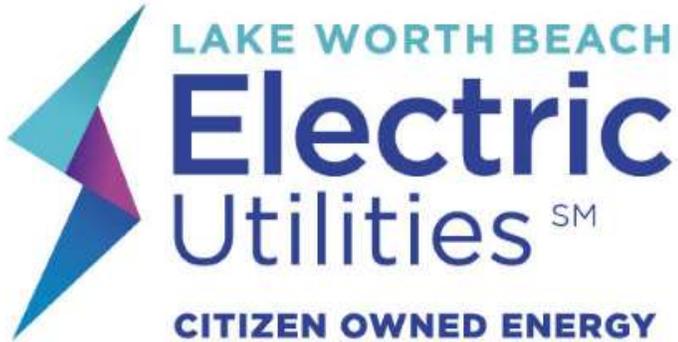
Extreme Cold Weather Event January 31 – February 2 , 2026

- Extreme low temperatures were experienced statewide with record demand anticipated for Sunday and Monday mornings; event significantly stressed electric generation units for all utilities in the state of Florida as well as those in neighboring states along the eastern seaboard
- NERC Energy Emergency Alert (EEA) Process Initiated: a formal, tiered notification system used by grid operators (Reliability Coordinators) to signal that available electricity resources are insufficient to meet expected load and reserve requirements.
 - ✓ [EEA Level 1](#): All available resources are committed to meet load; all resources are in use.
 - ✓ [EEA Level 2](#): The operator can no longer provide expected energy requirements, requiring public appeals for conservation or load reduction.
 - ✓ [EEA Level 3](#): The operator is unable to meet firm load commitments and may be forced to initiate rotating outages (firm load shedding).
- This was statewide event and was not limited to Lake Worth Beach as some on Social Media have alleged
- LWB Electric Utility was directly involved and actively supported the FMPP as both a customer and a generation Owner/Operator



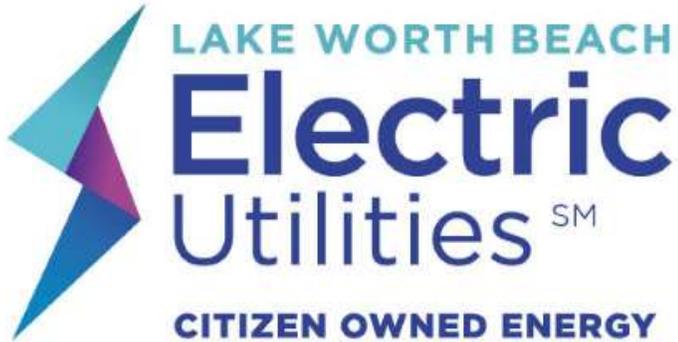
What Was Happening as Temperatures Dropped & Loads Spiked

- Natural Gas prices spiked 15x what we normally experience
- Unit freeze-ups in central and north Florida reduced available generation at a time of historical demand
- Units that could swap to oil fuel suddenly became both a strategic and economic tool
- FMPP/FMPA/FGU staff worked around the clock to source fuel and make emergency power purchases (and sales) from neighboring utilities and rapidly re-model scenarios for unit scheduling as temperatures dropped and unit availabilities changed
- DEP, DOE and FRCC actively involved and supportive; unit environmental restrictions temporarily lifted
- 60-year-old units became the last line of defense and were called to run
- Customers were asked to curtail non-essential uses of electricity, and switch to emergency generators; nonetheless new records were established statewide
- Statewide, cities served by the FMPP were asked to place facilities on emergency generators during peak hours
- Equipment that had entered planned maintenance outages to be ready for summer loads were quickly reassembled and returned to service



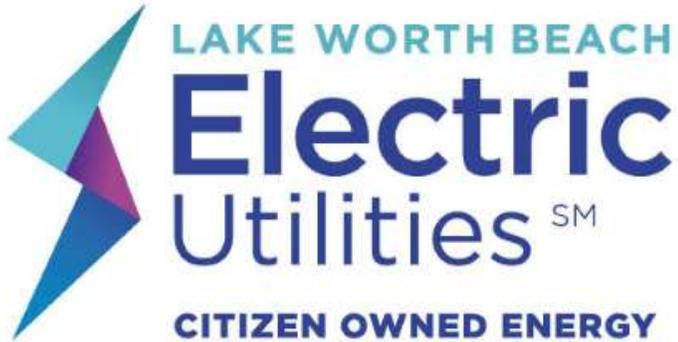
How Did the LWB Team Respond?

- Line crews were augmented over the weekend; response to customer outages was outstanding
- Former Power Plant Staff that had transferred to other City departments over a period of years reported for duty at the power plant; could not have gotten through this without them
- ESOC, City PIO, and Utility Customer Service issued multiple public alerts requesting voluntary reductions
- LWB Water Plant and certain City facilities were asked to swap to emergency generators during peak periods
- Public EV charges were made unavailable
- LWB ESOC operators reviewed load shedding procedures; prepared for EEA3 and the prospect of being asked to initiate rolling outages on 15-minute cycles
- Running communications with FMPP/FMPA team on system status; heightened awareness and emergency posture
- DOE actively involved and supportive; maintained communications with FMPA



How Did the LWB System Perform?

- The T&D System operated extremely well under high loads and low temperatures; absent SHRIP improvements made since 2018 we would have lost electric service to many portions of the electric system
- Some of our Power Plant units had glitches and failed to start when requested; Staff was able to troubleshoot the problems and stayed on-task until problems were resolved and brought online using work-arounds and spare parts scavenged from retired units
- Our units helped avert an FMPP load-shed request
- Staff teamwork, camaraderie, and morale were exemplary under stress



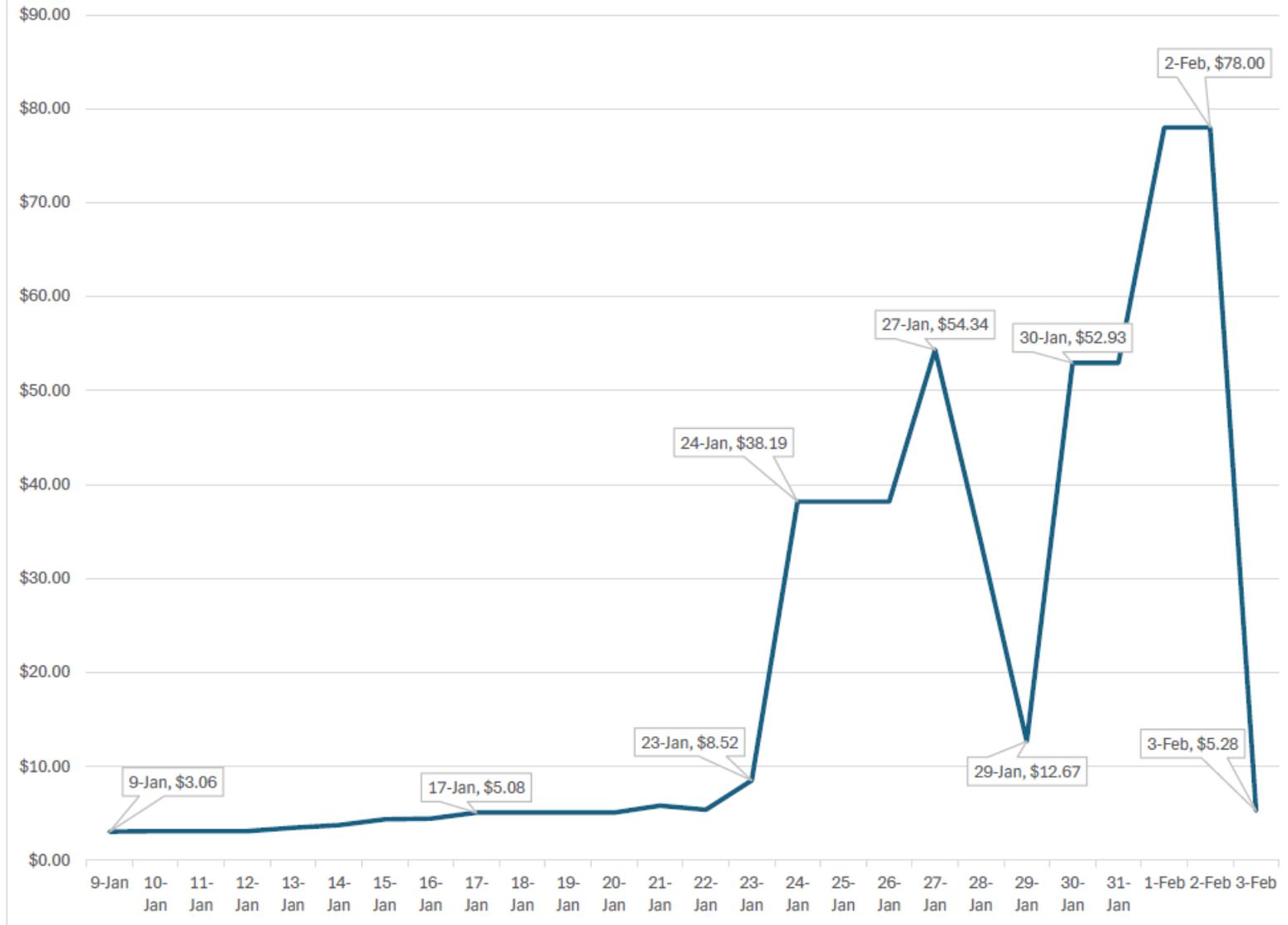
After-Action Review Conducted

- We undertook a self-assessment today; team participation and documented comments will drive corrective actions and changes in processes in the spirit of continuous improvement
- Mostly operational and process changes will be needed, but some will require investment and will be reflected in the FY2027 Draft Budget
- Generation Planning will see changes (IRP), this weekend's events heighten awareness of need for investment in our ageing units to lower purchased capacity costs, improve reliability, expand capacity, and extend life



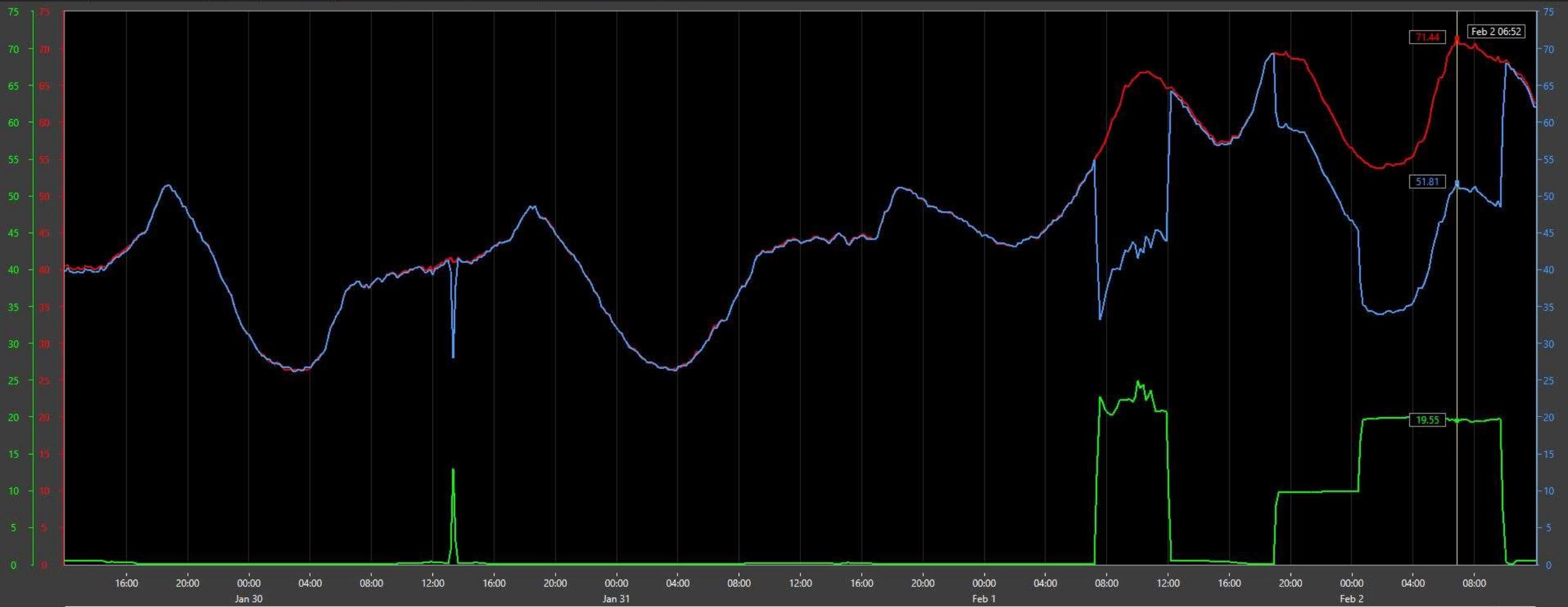
Additional Information

January / February Daily Gas Price (Delivered)



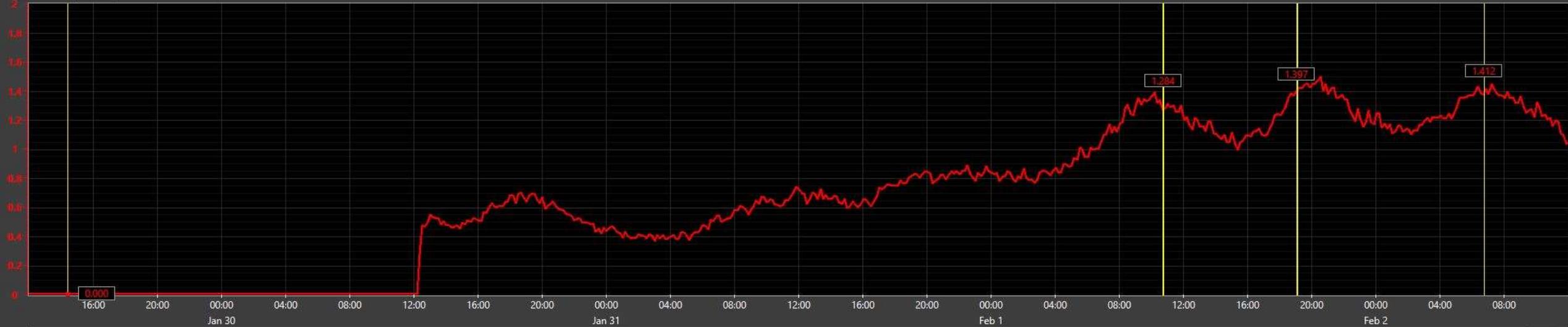
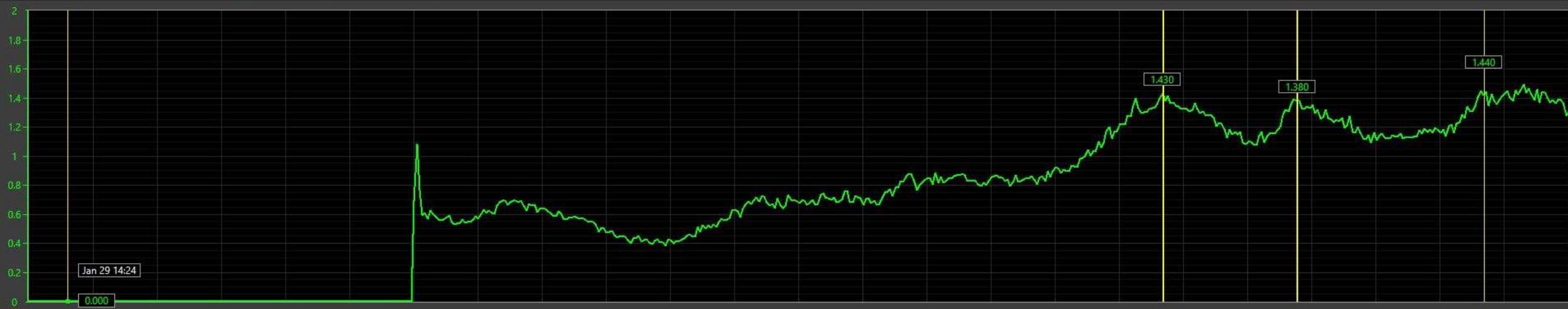


Unnamed Group | Tag Selection | Export | 4 Days | Time Span | Pan & Zoom | View | Note



Pen	Name	Description	Value
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RTU_19_POWER_PLANT\DRIVER_POWERPLANT\SUM_IMPORT_3P	RTU_19_POWER_PLANT\DRIVER_POWERPLANT\SUM_IMPORT_3P	SYSTEM IMPORT [MW]	51.81 MW
RTU_19_POWER_PLANT\DRIVER_POWERPLANT\SUM_GENERATION_3P	RTU_19_POWER_PLANT\DRIVER_POWERPLANT\SUM_GENERATION_3P	SYSTEM GENERATION [MW]	19.55 MW

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Pen	Name	Description	Value
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Map created by: **Map Operators**
PROJECT: **202308**
DATE: **8/20/23**
PROJECT: **1501-1502**
SHEET: **1501-1502**
DATE: **8/20/23**
PROJECT: **1501-1502**
SHEET: **1501-1502**
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SHEET: **1501-1502**
DATE: **8/20/23**

Unnamed Group

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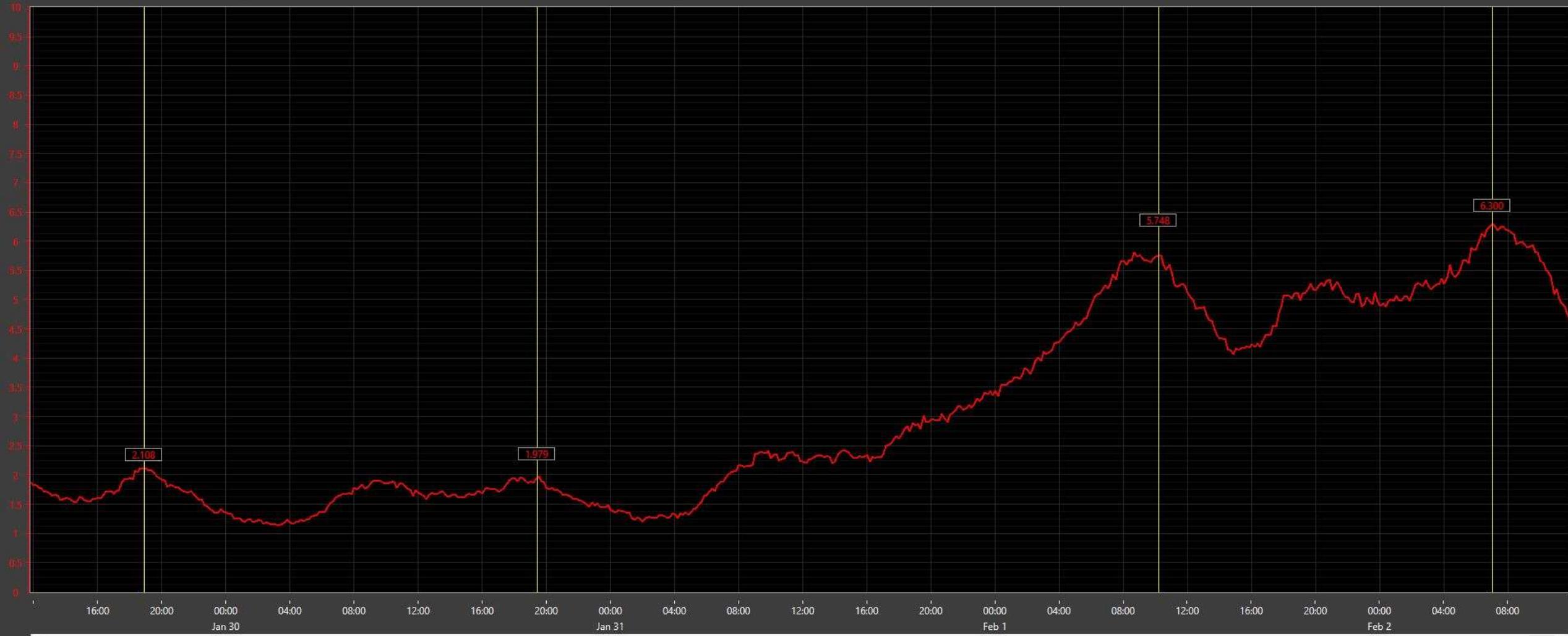
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Time Span: 4 Days

Pan & Zoom

View

Note



Navigation bar with left and right arrows

Pen	Name	Description	Value
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	System Notes	System Notebook	

