nFRONT CONSULTING LLC
Power Industry Planners • Analysts • Advisors

May 9, 2022

Donald Phillips and Takira Thompson
Florida Public Service Commission
2540 Shumard Oak Blvd
Tallahassee, Florida 32399-0688

Subject: Staff's Second Data Request, Orlando Utilities Commission 2022 Ten-Year Site Plan

Dear Mr. Phillips and Ms. Thompson,

Attached please find an electronic version (in PDF format) of the Orlando Utilities Commission (OUC) responses to the subject Data Request. The attached responses are being submitted by nFront Consulting on behalf of OUC.

If you have any questions about the attached responses, please do not hesitate to contact me.

Respectfully submitted,

/s/ Bradley Kushner

Bradley Kushner
Executive Consultant
nFront Consulting LLC
BradKushner@nFrontConsulting.com

1. Please refer to NERC's Level 2 Alert, issued August 18, 2021, titled Cold Weather Preparations for Extreme Weather Events. Please indicate what changes, if any, the Utility has implemented or intends to implement to address the recommendations contained within the alert.

OUC Response:
Please see below for summary of OUC's activities related to the subject recommendations.

Recommendation #1: Season Operating Plans – BA
OUC as a member of Florida Municipal Power Pool BA (FMPP) has participated in the refinement of the FMPP seasonal operating plans based on a review of the events that occurred in ERCOT and the various related communications including the NERC's Level 2 Alert, issued August 18, 2021, titled Cold Weather Preparations for Extreme Weather Events.

Recommendation #1: Season Operating Plans – TOP
OUC as a member of the Florida Reliability Coordinating Council (FRCC) has worked with the FRCC Reliability Coordinator and other members of the FRCC in the refinement of the FRCC's and OUC's seasonal operating plans based on a review of the events that occurred in ERCOT and the various related communications including the NERC's Level 2 Alert, issued August 18, 2021, titled Cold Weather Preparations for Extreme Weather Events.

Recommendation #2: GO Review of RCs, BAs, and TOPs seasonal operating plans – GO
OUC as a member of the FRCC and FMPP has worked with the other members and inside OUC to further refine the information available regarding generator availability, fuel supplies, and other related assumptions. OUC also reviewed its communication plans with fuel suppliers, RC, BA and inside OUC.

Recommendation #3: GO communicate with RCs, BAs, and TOP's de-rates – GO
OUC GO as a member of the FRCC and FMPP has worked with the other members and inside OUC to further refine the information available regarding generator forecasted and actual unit derates. OUC TOP and as member of the FMPP BA has worked to further refine the incorporation of that information into operational plans.

Recommendation #4: Manual and Automatic Load Shedding
OUC does a review of critical loads and excludes them from the rolling blackout and under frequency load shedding programs. At least annually, OUC performs a review of its load and frequency shedding capabilities to ensure accuracy and ability to accomplish their respective tasks.

Recommendation #5: GO conduct dual fuel assessments and monitor fuel
OUC regularly reviews its dual fueled units to verify the units can reliably operate on both primary and secondary fuel sources and that primary and secondary fuel is available.

2. Please refer to FERC Order Approving Cold Weather Reliability Standards, issued August 24, 2021. Please indicate what changes, if any, the Utility has implemented or intends to implement to address the revisions to the NERC Reliability Standards that become effective April 2023.

OUC Response:
Please see below for summary of OUC's activities related to the subject revisions.

EOP-011-2 R1 Part 1.2.6: Provisions do determine impact of weather conditions - TOP
OUC TOP and OUC as a member of the FMPP BA already had in place plans to determine the reliability impacts of cold weather conditions, however those plans will be reviewed and updated as needed to comply with the changes in the standard.

EOP-011-2 R7: Generator cold weather plans:
OUC has created a Cold Weather Plan for each site and is currently conducting studies with cold weather subject matter experts to ensure each site maintains reliability and is protected should an extreme cold weather event occur.

IRO-010-4 R1 Part 1.3: Cold Weather Data:
OUC will provide data to the FRCC RC as requested within the RC's data specification.

TOP-003-5 R1 Part 1.3: Cold Weather Data:
OUC will be updating its data specification to conform to the revised standard.

3. Please refer to NERC's Project 2021-07: Extreme Cold Weather Grid Operations, Preparedness, and Coordination. Is the Utility a participant in this project? If so, please explain what way.

OUC Response:
OUC is monitoring the NERC's Project 2021-07: Extreme Cold Weather Grid Operations, Preparedness, and Coordination project and as appropriate will be commenting on the development, participating in related events, and voting on the standards.

4. Please refer to the FERC, NERC, and Regional Entity Staff Report: The February 2021 Cold Weather Outages in Texas and the South Central United States (2021 Cold Weather Report), issued November 2021. Please indicate what changes, if any, the Utility has implemented or intends to implement to address the recommended revisions listed below to the NERC Reliability Standards identified in the 2021 Cold Weather Report.

a. Identify and protect cold-weather critical components.
b. Build all new and retrofit existing units to operate during extreme weather conditions, which include the impact of wind and precipitation.

c. Perform annual training on winterization plans. If already incorporated, please provide the most recent winterization plan.
d. Develop Corrective Action Plans for any affected generating units.
e. Provide the balancing authority the percentage of generating capacity that can be relied upon during forecasted cold weather.
f. Account for wind and precipitation when providing temperature data to the balancing authority.

OUC Response:

a. Identify and protect cold-weather critical components.
Gas generation has identified and implemented cold weather protections to its facilities to the extent of its knowledge and expertise. OUC is also conducting studies with cold weather subject matter experts to see if OUC needs to take additional measures to further protect the reliability of each facility.

b. Build all new and retrofit existing units to operate during extreme weather conditions, which include the impact of wind and precipitation.
Refer to response to (a) above.

c. Perform annual training on winterization plans. If already incorporated, please provide the most recent winterization plan.
Formal training on site-specific plans is being developed. In the interim, the plans and procedures have been reviewed by OUC staff.

d. Develop Corrective Action Plans for any affected generating units.
OUC will identify and take any appropriate corrective action as necessary.

e. Provide the balancing authority the percentage of generating capacity that can be relied upon during forecasted cold weather.
OUC GO as a member of FMPP BA regularly shares data related to cold weather events and reviews communications for use during those events.

f. Account for wind and precipitation when providing temperature data to the balancing authority.
Wind and precipitation are not explicitly accounted for when providing temperature data to the balancing authority.

5. Will the Utility's current capacity shortage plan require updating following the revisions to the NERC Reliability Standards that will go into effect April 2023 or the recommended revisions from the 2021 Cold Weather Report? If so, please identify the changes.

OUC Response:
No changes will be required.

6. For your generating units, please and provide the following information:

a. Identify any generating unit that has been winterized and describe the winterization activities that have been completed for each.
b. Identify any generating unit that still requires winterization and describe the winterization activities to be completed for each.
c. Identify any generating units the Utility does not intend to winterize and explain why.

OUC Response:

a. Identify any generating unit that has been winterized and describe the winterization activities that have been completed for each.
OUC's cold weather preparedness plans include extensive winterization activities. OUC will continue to study the units to determine if additional activities are necessary.

b. Identify any generating unit that still requires winterization and describe the winterization activities to be completed for each.
OUC's cold weather preparedness plans include extensive winterization activities. OUC will continue to study the units to determine if additional activities are necessary.

c. Identify any generating units the Utility does not intend to winterize and explain why.
This question is not applicable to OUC.

7. Please list and describe all winterization activities the Utility has completed or intends to complete for its natural gas infrastructure. If none, please explain why.

OUC Response:
OUC's cold weather preparedness plans include extensive winterization activities. OUC will continue to study the units to determine if additional activities are necessary.

8. Please identify any generating units that have experienced forced outages or derates due to cold weather conditions within the last ten-year period.

a. Please explain if these generating units have had corrective action plans developed for the identified equipment. If so, what has been done to evaluate whether the corrective action plan applies to similar equipment for other generating units in the Utility's generating fleet.
OUC Response:
OUC has not had any generating units that have experienced forced outages or derates due to cold weather conditions within the last ten-year period.

9. Please identify each of the Utility's generating units that have dual fuel capabilities. As part of this response, please provide the following for each applicable generating unit.

a. Generating unit name and location.
b. Net capacity by seasonal peak (Summer/Winter).
c. Whether fuel switching derates/uprates the unit (and if so, by what amount).
d. Primary and secondary fuel type and sources.
e. Number of days the generating unit could operate at full load using the secondary fuel source.
f. Amount of time required to switch to secondary fuel.

OUC Response:

a. Generating unit name and location.

Name	Address
Stanton Energy Center Unit A	5150 S Alafaya Trail, Orlando, FL 32831
Stanton Energy Center Unit B	5100 S Alafaya Trail, Orlando, FL 32831
Indian River Plant	7800 South US Hwy 1, Titusville, FL 32780
Osceola Generating Station	8400 Community Center Rd, St Cloud, FL 34773

b. Net capacity by seasonal peak (Summer/Winter).

Name	Summer Capacity (MW)	Winter Capacity (MW)
Stanton Energy Center Unit A	657	675
Stanton Energy Center Unit B	292	307
Indian River Plant Unit A	32	37
Indian River Plant Unit B	32	37
Indian River Plant Unit C	105	112
Indian River Plant Unit D	105	112
Osceola Generating Station Unit 1	155	155
Osceola Generating Station Unit 2	155	155
Osceola Generating Station Unit 3	155	155

c. Whether fuel switching derates/uprates the unit (and if so, by what amount).

Name	Uprate/(Derate) on Secondary Fuel (MW)
Stanton Energy Center Unit A	(152)
Stanton Energy Center Unit B	(37)
Indian River Plant Unit A	0
Indian River Plant Unit B	0
Indian River Plant Unit C	0
Indian River Plant Unit D	0
Osceola Generating Station Unit 1	0
Osceola Generating Station Unit 2	0
Osceola Generating Station Unit 3	0

d. Primary and secondary fuel type and sources.

Name	Primary Fuel Type and Source	Secondary Fuel Type and Source
Stanton Energy Center Unit A	Natural Gas, FGT Pipeline	#2 Diesel Oil, Onsite Tank
Stanton Energy Center Unit B	Natural Gas, FGT Pipeline	#2 Diesel Oil, Onsite Tank
Indian River Plant Unit A	Natural Gas, FGT Pipeline	#2 Diesel Oil, Onsite Tank
Indian River Plant Unit B	Natural Gas, FGT Pipeline	#2 Diesel Oil, Onsite Tank
Indian River Plant Unit C	Natural Gas, FGT Pipeline	#2 Diesel Oil, Onsite Tank
Indian River Plant Unit D	Natural Gas, FGT Pipeline	#2 Diesel Oil, Onsite Tank
Osceola Generating Station Unit 1	Natural Gas, FGT Pipeline	#2 Diesel Oil, Onsite Tank
Osceola Generating Station Unit 2	Natural Gas, FGT Pipeline	#2 Diesel Oil, Onsite Tank
Osceola Generating Station Unit 3	Natural Gas, FGT Pipeline	#2 Diesel Oil, Onsite Tank

e. Number of days the generating unit could operate at full load using the secondary fuel source.

Name	Days at Full Load on Secondary Fuel
Stanton Energy Center Unit A	2.3 Days
Stanton Energy Center Unit B	2.4 Days
Indian River Plant Site	0.17 Days
Osceola Generating Station Site	4.5 Days

f. Amount of time required to switch to secondary fuel.
15 minutes for all units

10. Please identify how many alerts and advisories, due to cold weather, have been issued within the last ten-year period, and describe each event that lead to the issuance of each alert/advisory.

a. As part of this response, please indicate whether interruptible/curtailable customers were interrupted during each event, and if so, the duration of the interruption.

OUC Response:
Each year, OUC anticipates and proactively promotes cold weather conservation tips. Customers are provided with information on ways to stay safe, warm, and comfortable while also saving energy. We also prepare to enhance cold weather messaging through paid and earned media should temperatures drop below 32 degrees. If such an event occurs, OUC releases a media advisory and information is provided through special emails, social media videos and infographics, and paid media. Samples of news releases are below.

- 2015 – OUC Ready For Freezing Temps
- 2016 – OUC Ready For Tonight's Cold Temps
- 2018 – OUC Ready For Tonight's Cold Temps
- 2022 – OUC Ready For Tonight's Cold Temps

In the last ten-year period, no customers, interruptible/curtailable or other, were interrupted during a cold weather event.

11. Please identify the number of times the Utility has had to perform rolling blackouts within the last ten-year period. As part of this response, please provide the reason for each rolling blackout, how many megawatts were impacted, and the duration of each rolling blackout.

OUC Response:
OUC has not performed any rolling blackouts over the last ten-year period.

12. Please identify the total number of megawatts that can be controlled during rolling blackouts. As part of this response, please describe how this amount was determined, the priorities for interrupting firm load, and provide the anticipated duration between rolling blackouts.

OUC Response:
OUC can control 360 MW during peak; OUC targets a value of about 25% of system load. This maximizes the availability of rotating load shed while minimizing potential impact to higher priority customers. Firm load is shed using feeder priority values which are assigned based on the highest rated customer on that feeder. OUC has 8 levels of customer priority considered for restoration, under frequency load shedding (UFLS) and rotating manual

load shed. Priority feeders 6-8 (the 3 lowest in terms of importance) are used for rolling blackouts. Anticipated time for rolling blackouts is 15 minutes.

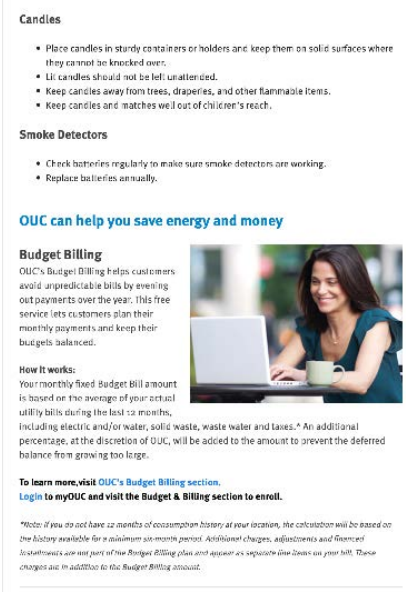
13. Please explain how the Utility coordinates with cogenerators, qualifying facilities, and other non-utility generators during cold weather events to maximize generating capacity. As part of this response, please explain how the Utility determines as-available energy prices if all available Utility assets are already dispatched.

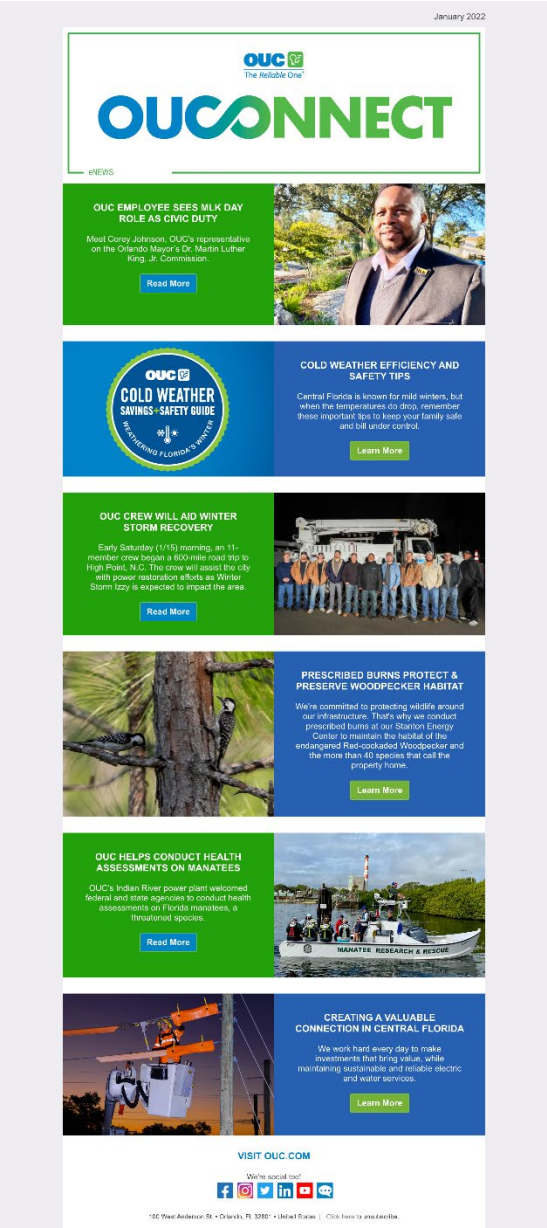
OUC Response:
This question is not applicable to OUC.

14. Please list each form of communication (such as phone calls, text, utility website, social media, etc.) the Utility uses to inform customers of anticipated cold weather events. As part of this response, please provide a sample of such communications.

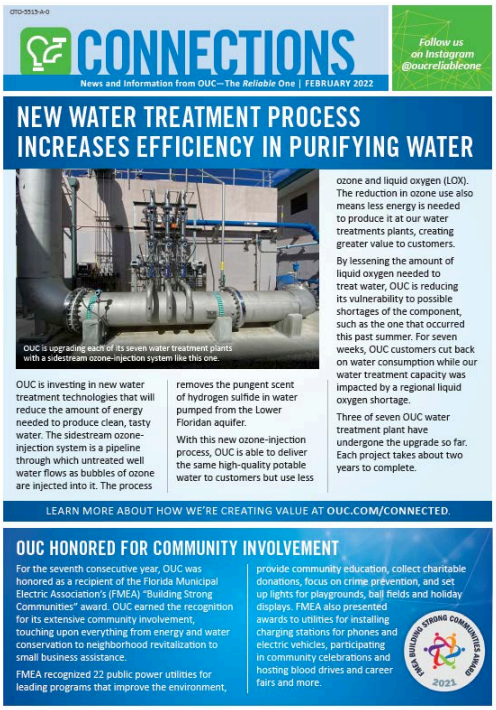
OUC Response:
OUC creates a communications plan for all types of weather events – from storms to hurricanes to cold weather – and uses a variety of channels to communicate with customers, employees and our community including news releases, social media posts, digital ads, preparation videos, enewsletters, emails and broadcast alerts. Below are several examples and messaging for all OUC channels – website, eNewsletter, bill message, IVR, social media, text alerts, outage map, etc.

Utility Website – OUC.com/ColdWeather




January 2022
OUC
The Reliable One
OUCONNECT
eNEWS
OUC EMPLOYEE SEES MLK DAY ROLE AS CIVIC DUTY
Meet Corey Johnson, OUC's representative on the Orlando Mayor's Dr. Martin Luther King, Jr. Commission.
Read More
OUC
COLD WEATHER SAVINGS + SAFETY GUIDE
WEATHERING FLORIDA'S WINTER
COLD WEATHER EFFICIENCY AND SAFETY TIPS
Central Florida is known for mild winters, but when the temperatures do drop, remember these important tips to keep your family safe and bill under control.
Learn More
OUC CREW WILL AID WINTER STORM RECOVERY
Early Saturday (1/15) morning, an 11-member crew began a 600-mile road trip to High Point, N.C. The crew will assist the city with power restoration efforts as Winter Storm Izzy is expected to impact the area.
Read More
PRESCRIBED BURNS PROTECT & PRESERVE WOODPECKER HABITAT
We're committed to protecting wildlife around our infrastructure. That's why we conduct prescribed burns at our Stanton Energy Center to maintain the habitat of the endangered Red-cockaded Woodpecker and the more than 40 species that call the property home.
Learn More
OUC HELPS CONDUCT HEALTH ASSESSMENTS ON MANATEES
OUC's Indian River power plant welcomed federal and state agencies to conduct health assessments on Florida manatees, a threatened species.
Read More
MANATEE RESEARCH & RESCUE
CREATING A VALUABLE CONNECTION IN CENTRAL FLORIDA
We work hard every day to make investments that bring value, while maintaining sustainable and reliable electric and water services.
Learn More
VISIT OUC.COM
We're social too!

Customer Newsletters


CONNECTIONS

Follow us on Instagram @oucreliableone

News and Information from OUC—The Reliable One | FEBRUARY 2022

NEW WATER TREATMENT PROCESS INCREASES EFFICIENCY IN PURIFYING WATER

OUC is upgrading each of its seven water treatment plants with a sidestream ozone-injection system like this one.

OUC is investing in new water treatment technologies that will reduce the amount of energy needed to produce clean, tasty water. The sidestream ozone-injection system is a pipeline through which untreated well water flows as bubbles of ozone are injected into it. The process removes the pungent scent of hydrogen sulfide in water pumped from the Lower Floridan aquifer.

With this new ozone-injection process, OUC is able to deliver the same high-quality potable water to customers but use less ozone and liquid oxygen (LOX). The reduction in ozone use also means less energy is needed to produce it at our water treatments plants, creating greater value to customers.

By lessening the amount of liquid oxygen needed to treat water, OUC is reducing its vulnerability to possible shortages of the component, such as the one that occurred this past summer. For seven weeks, OUC customers cut back on water consumption while our water treatment capacity was impacted by a regional liquid oxygen shortage.

Three of seven OUC water treatment plant have undergone the upgrade so far. Each project takes about two years to complete.

LEARN MORE ABOUT HOW WE'RE CREATING VALUE AT OUC.COM/CONNECTED.

OUC HONORED FOR COMMUNITY INVOLVEMENT

For the seventh consecutive year, OUC was honored as a recipient of the Florida Municipal Electric Association's (FMEA) "Building Strong Communities" award. OUC earned the recognition for its extensive community involvement, touching upon everything from energy and water conservation to neighborhood revitalization to small business assistance.

FMEA recognized 22 public power utilities for leading programs that improve the environment, provide community education, collect charitable donations, focus on crime prevention, and set up lights for playgrounds, ball fields and holiday displays. FMEA also presented awards to utilities for installing charging stations for phones and electric vehicles, participating in community celebrations and hosting blood drives and career fairs and more.


COLD WEATHER ENERGY EFFICIENCY TIPS

Did you know winter electric bills can be two to three times higher than fall or spring bills? Check out these tips to warm up to savings when cold weather comes our way.

- Keep your thermostat at 68 degrees. For every degree below 68, you can save $4 to $6 on your bill.
- Set the A/C fan to 'auto'.
- Replace dirty A/C filters monthly.
- Install a programmable thermostat to adjust the temperature automatically.
- Keep drapes and blinds open during the day to let in the sun's heat.
- Set your ceiling fan to run clockwise to force warmer air toward the floor.

Find more winter safety and efficiency tips at OUC.com/coldweather.

2020 WATER QUALITY REPORT

Learn more about H2OUC via the 2020 OUC Water Quality Report at OUC.com/wqr2020. The report contains important information about the source and quality of your drinking water.

To request a printed copy of the 2020 Water Quality Report, call 407-423-9018 or visit OUC.com/wqrrequest.

Para conocer más en español sobre el Reporte Anual de Calidad de Agua 2020, llámanos al 407-423-9018.

Great-Tasting Tap Water H2OUC www.ouc.com

UPGRADE INSULATION AND GET A REBATE!

Adding attic insulation is one of the most effective and least expensive things you can do to increase the energy efficiency of your home. OUC offers residential customers a rebate of 10 cents per square foot on upgraded attic insulation with an R-30 value or higher.

DOOR/WINDOW LEAKS CAN DRAIN YOUR WALLET

Sealing door and window leaks can improve energy efficiency, leading to bill savings. Simple fixes can include installing weather stripping on doors and caulking around windows. Older homes can even reap major benefits from ENERGY STAR® windows and OUC can help with the costs with a $1.50/ square foot rebate.

Visit OUC.com/rebate for more on OUC's energy rebates.

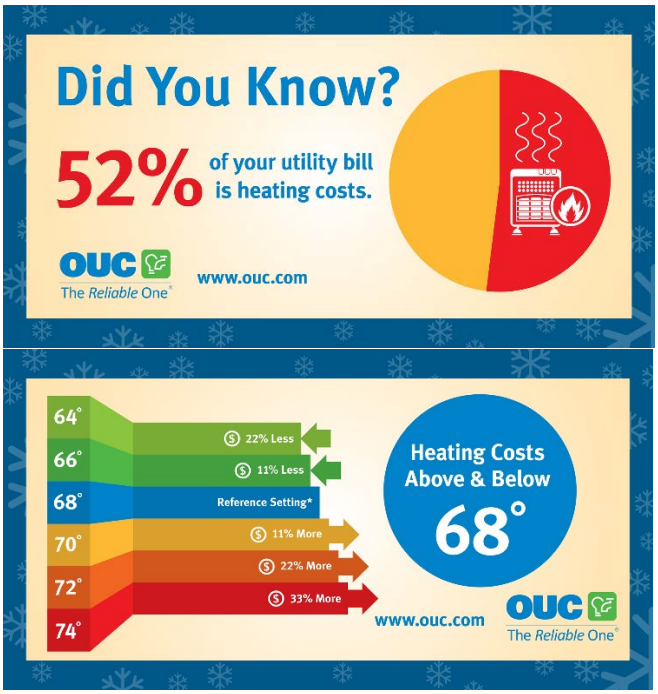
Para ver esta edición de OUConexión, por favor vaya en línea a espanol.ouc.com.

OUC The Reliable One

ORLANDO UTILITIES COMMISSION
RELIABLE PLAZA • 100 W. Anderson Street • Orlando, FL 32801
Tel: 407-423-9018 • ouc.com

@OUCReliableOne OUCblog.com OUCTheReliableOne

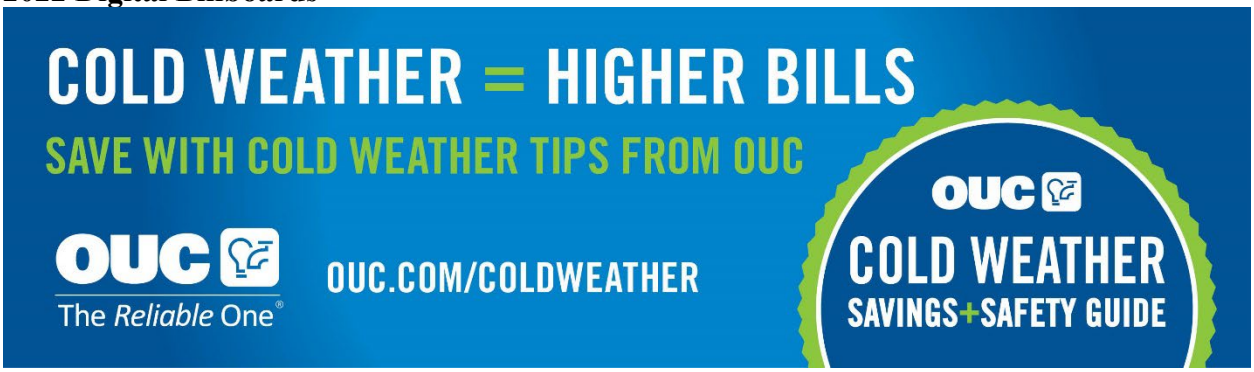
Social Media



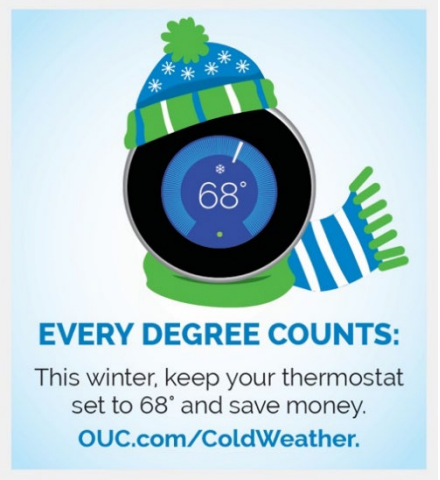
Ad Campaigns
2014 & 2018

2022 Digital Ads

2022 Digital Billboards



On Bill Message



15. Please refer to the Florida cold weather event from January 29-31, 2022, and provide the following for each day during the event.

a. Anticipated load forecast.
b. Anticipated operating reserve (with and without demand response).
c. Actual load, and if available, actual operating reserve.
d. Amount of customer outages due to cold weather that occurred, if any.
e. Amount of generating capacity derated or forced offline due to cold weather, if any. If forced outages occurred, identify each generating unit derated or forced offline, and the cause of the derating or forced outage, if known.
f. Whether demand response and/or interruptible/curtailable assets were activated. If so, please identify which programs, the number of customers interrupted, the amount of capacity interrupted, and the frequency of interruptions.

OUC Response:

The table below summarizes items a-c by day for the FMPP Balancing Authority, which includes the combined generation and load obligations of FMPA, Lakeland Electric, and Orlando Utilities Commission. Items d-f do not apply/were not experienced.

Date	Projected Peak (MW)	Projected Op. Reserve (MW)	Actual Peak (MW)	Actual Op. Reserve (MW)
1/29/22	3,085	1,232	2,685	1,632
1/30/22	3,475	884	3,138	1,221
1/31/22	3,260	1,043	3,163	1,140

16. Please refer to the Florida cold weather event from January 29-31, 2022. Please explain if any winterization plans were enacted during this time. If so, please describe what activities were involved.

OUC Response:
Cold weather procedures were implemented and consisted of the following: activating the heat trace system, deploying portable heaters, running catalytic gas heaters on natural gas systems, and taking temperature readings on certain processes with infrared forward looking infrared (FLIR) cameras.

With temperatures forecasted in the low 30s for the days of January 29-31, 2022, OUC quickly mobilized increased communications about cold weather (please see below for samples of the communications). This included a news release, media pitches, media coverage, enewsletter articles, and social media posts. OUC also placed dedicated media buys including online ads, radio spots, and outdoor billboards educating customers with cold-weather efficiency tips and ways to save on energy. The campaign delivered more than 3 million impressions.

News Release

ORLANDO – OUC—The *Reliable* One is ready to provide extra power for home heating systems during this cold snap. All OUC power generation and transmission systems are ready to go, and extra crews will be standing by through the evening and early morning hours. With the cooler weather, OUC wants to remind customers to be safe when keeping warm. By following these energy saving and safety tips, customers can stay comfortable during the cold weather:

- Set your thermostat to 68 degrees. For each degree above 68, the heating portion of your bill will increase four to six percent.
- Heating may account for more than half of a home's energy use this week.
- Turn the heater down or off when no one is home.
- Set the thermostat fan to auto and replace dirty filters to allow your system to operate as efficiently as possible.
- Keep portable heaters at least three feet away from furniture, bedding, walls, clothing and other flammable items.
- An electric blanket can help keep you warm on a cold night, but follow the manufacturer's instructions and make sure to turn it off and unplug it when not in use.
- Never tuck in an electrical blanket.
- Never use your stove or oven to heat your home.
- If temperatures drop below freezing, cover any exposed water pipes and leave pool pumps running.
- If the sun does come out today, open drapes and blinds to let the sun's warmth in. Then, close those drapes and blinds tonight.
- Check under doors and around windows for cool air coming in and seal these areas.
- You can set a ceiling fan to run in the clock-wise direction. Doing so, will force warmer air towards the floor.

Customers may report outages by calling OUC's **24-hour Emergency Service hotline** at **407-423-9018**

About OUC—The* Reliable *One

Established in 1923 by a special act of the Florida Legislature, OUC—The Reliable *One is the second largest municipal utility in Florida. OUC provides electric and water services to about 400,000 accounts in Orlando, St. Cloud and parts of unincorporated Orange and Osceola counties. Visit www.ouc.com to learn more about our commitment to reliability, affordability and sustainability.*

Media Pitch

With temperatures expected to dip below freezing this weekend, viewers likely are considering turning the heat on, which can cause their energy bills to spike. To keep that from happening,

OUC has some tips for how they can stay warm while keeping their utility bills in check, as well as how to prevent water pipes from freezing, which I've included below.

You can find b-roll, including a few soundbites from Dave Mayer, OUC's Sustainability Supervisor, here: https://we.tl/t-GegVarKDKD. You can find graphics featuring the tips below here: https://www.dropbox.com/sh/h575qwtafw448y5/AAAXjGgeDXn0rblNyaIDciTba?dl=0.

- As the Greater Orlando area experiences an ongoing cold snap, many Central Floridians are turning on their heat – but that can cause your utility bill to skyrocket.
- In fact, winter electric bills can be two to three times higher than fall or spring bills … and heating makes up 52% of your electric bill.
- OUC has a few tips to help keep your energy bill low this winter.
- If you're going to turn your heat on, set the thermostat to 68 degrees and switch the fan to auto. Lowering your thermostat is the easiest and most effective way to lower your bill, and every degree makes a difference.
- To save even more, lower your thermostat to 65 degrees or cooler at night and when you're away from home.
- Set your ceiling fan to rotate clockwise, which will circulate warm air around the room.
- Space heaters, electric blankets and layering your clothes are also ways to keep warm without turning up the heat.
- If you're turning on a space heater to heat a room, keep it at least three feet away from furniture, bedding, walls, clothing and other flammable items.
- If you're using an electric blanket to stay toasty, be sure to follow the manufacturer's instructions, and never tuck it into your bed.
- With temperatures expected to dip below 32 degrees this weekend, viewers should also check their pipes for freezing.
- Wrap exposed outdoor pipes with old towels or sheets to provide insulation.
- Open a very slow drip in your bathtub or outdoor faucet to keep water moving.

Media Coverage

January 27, 2022

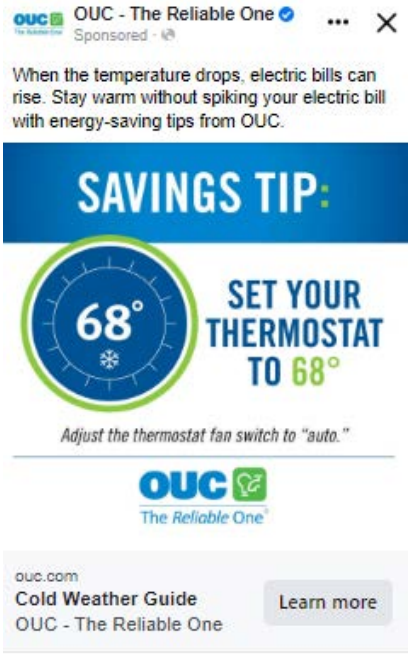
- Duke Energy, OUC ready for cold weekend but scattered outages could happen (Jan. 27, 2022 -- Orlando Sentinel)

January 28, 2022

- WESH 2 News/CW18
    - Dave Mayer, OUC's Sustainability Supervisor, shared tips on ways to save energy and keep costs down while staying warm during cold temperatures.
- WKMG News 6
- Orlando cold weather: What you need to know as freezing temps expected across region (Orlando Sentinel)

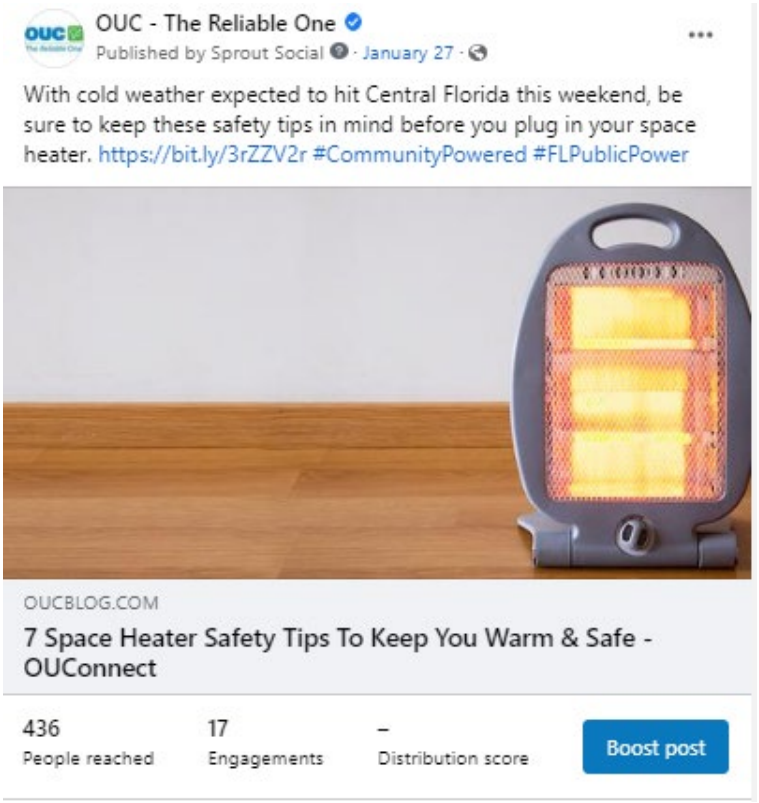
Social Media Ad

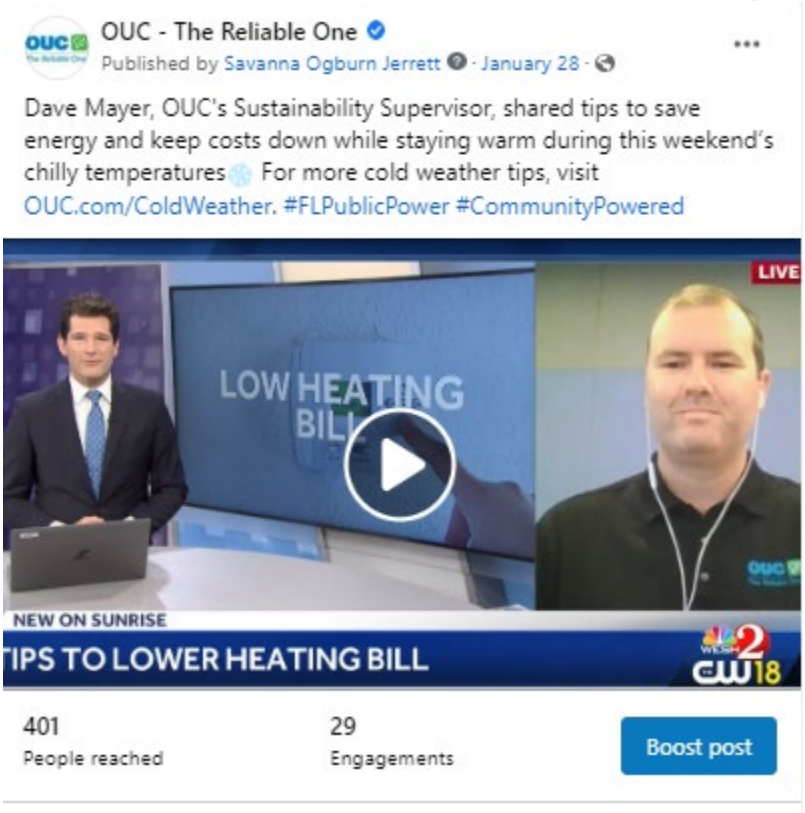
From January 27 – February 1, 2022 OUC ran social media ads on Facebook and Instagram promoting the Cold Weather Guide at OUC.com/ColdWeather. The ad targeted ages 18 – 65+ living in Orlando, Fla. Approximately 854 link clicks were generated and reached 40,762 users.



Social Media Posts

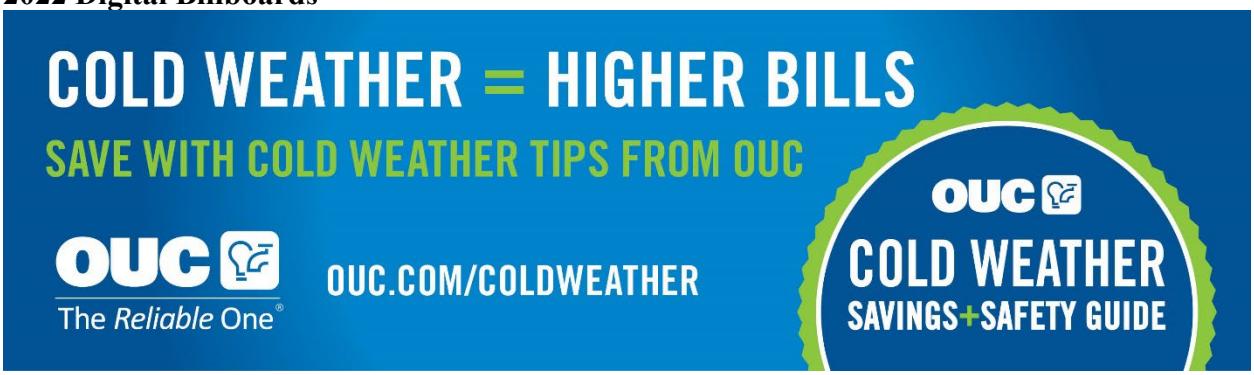
Posts on OUC's Facebook, Twitter and Instagram pages between January 27 – February 1, 2022


OUC - The Reliable One
Published by Sprout Social · January 27 ·
With cold weather expected to hit Central Florida this weekend, be sure to keep these safety tips in mind before you plug in your space heater. https://bit.ly/3rZZV2r #CommunityPowered #FLPublicPower
OUCBLOG.COM
7 Space Heater Safety Tips To Keep You Warm & Safe - OUConnect
436
People reached
17
Engagements
–
Distribution score
Boost post


OUC - The Reliable One
Published by Savanna Ogburn Jerrett · January 28 ·
Dave Mayer, OUC's Sustainability Supervisor, shared tips to save energy and keep costs down while staying warm during this weekend's chilly temperatures. For more cold weather tips, visit OUC.com/ColdWeather. #FLPublicPower #CommunityPowered
LIVE
LOW HEATING
NEW ON SUNRISE
IPS TO LOWER HEATING BILL
401
People reached
29
Engagements
Boost post

2022 Digital Ads

2022 Digital Billboards



17. Please refer to the NERC 2021-2022 Winter Reliability Assessment, issued November 2021, for the following questions. Please provide load forecast and generation availability data provided to your regional entity for use in NERC's winter reliability assessment. As part of your response, explain how the data was derived and what assumptions were used.

OUC Response:

The forecast OUC and St. Cloud winter peak is 1,187 MW for 2021/2022 as shown in OUC's 2021 Ten Year Site Plan ("TYSP"). The Florida Reliability Coordinating Council ("FRCC") has OUC include the peak load served by OUC for non-FRCC reporting utilities (Mt. Dora, Winter Park, and Chattahoochee) and exclude St. Cloud's entitlements in Stanton Unit 2. Thus, for FRCC reporting purposes OUC's forecast winter peak is 1,212 MW.

Forecast 2021/2022 Winter Peak with Normal Weather (MW)

OUC & Winter Park	Less Winter Park	St. Cloud	Total OUC & St. Cloud[1]	Mount Dora	Chattahoochee	Winter Park	Less St. Cloud SEC2 Entitlements	Total[2]
1,031	(17)	173	1,187	17	6	17	(15)	1,212

The winter peak is forecasted assuming normal weather which is calculated using heating degree days with a 55° F baseline ("HDD55"). The highest daily HDD55s are summarized by month and year for the period of 2008 and 2017 and ranked from highest to lowest for each year because the coldest temperatures do not always occur in the same month. The 9-year average of the highest, 2nd highest, 3rd highest…12th highest ranked values are then allocated to each month based on each month's 9-year average HDD55s.

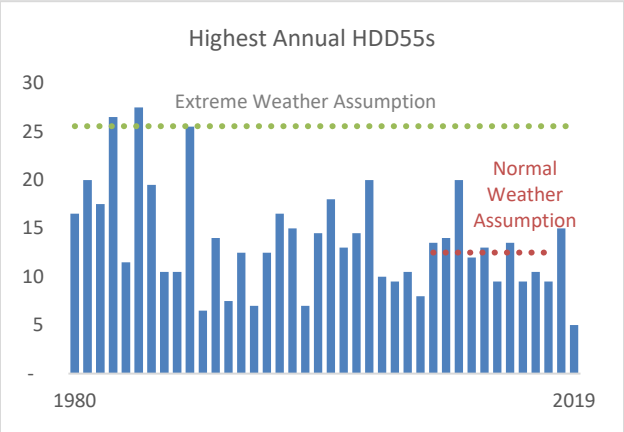
Winter Extreme Load Forecast

The Florida Reliability Coordinating Council ("FRCC") has requested that "for a 2021/2022 extreme winter load scenario, the LFWG[3] recommends each FRCC member submit their forecasted winter 2021/2202 load based on the upper bound of a 90% confidence interval for deviations from normal winter weather conditions, all else equal. The upper bound of a 90% confidence interval represents a load level estimate such that there is a 5% probability that loads may be higher than projected as driven from deviations from normal winter weather conditions

For this extreme forecast the HDD55s were calculated by expanding the historic range to include 1980 through 2019 and by using the 95th percentile for the 39-year period rather than the average. This method is similar to the approach used by Duke Energy, TECO and Lakeland Electric. The highest annual HDD55s are shown in the chart below left along with the HDD55s at the 95th percentile and the 9-year average used for normal weather. The chart below right shows the normal and assumed extreme weather HDD55s by month.

As shown in the table below using the extreme weather assumptions raises OUC's forecast winter peak to 1,421 MW, a 234 MW or 20 percent increase (19 percent based on FRCC reporting).

[1] Matches 2021/2022 forecast peak shown on Schedule 4 of OUC's 2021 Ten Year Site Plan
[2] Matches FRCC reporting
[3] Load forecast working group ("LFWG")



Forecast 2021/2022 Winter Peak with Extreme Weather (P95)

OUC & Winter Park	Less Winter Park	St. Cloud	Total OUC & St. Cloud	Mount Dora	Chattahoochee	Winter Park	Less St. Cloud SEC2 Entitlements	Total
1,202	(17)	236	1,421	17	6	17	(15)	1,446

18. [TECO & FPL Only] Please identify and describe any actions undertaken to encourage adoption of natural gas heating over electric resistance (strip) heating. If no actions have been taken, please explain why.

OUC Response:
This question is not applicable to OUC.