

Without additional transmission capacity, the law could incentivize inefficient development of renewables and result in higher price volatility.

- SpaceX appeals U.S. FCC rejection of rural broadband subsidies [Reuters](#)
- Climate law: What to watch at Interior, FERC and DOE [E&E News](#)
- Air conditioning has a climate problem. New technology could help. [Washington Post](#)
- White House eyes power reliability standards, energy efficiency rules for Bitcoin, other crypto mining [Utility Dive](#)
- These red states don't want climate targets — but they do want green jobs [Grist](#)
- Pa. Turnpike jumping into solar power as it explores electrified road services for electric vehicles [Pittsburgh Post-Gazette](#)
- Congress should require FERC, NERC to monitor gas pipeline capacity to ensure reliability, manufacturers say [Utility Dive](#)
- FCC to fight space debris by requiring satellite disposal in 5 years or less [Ars Technica](#)
- New York City's first vehicle-to-grid charging installation is live in Brooklyn [Smart Cities Dive](#)
- Small nuke reactors emerge as energy option, but risks loom [AP](#)
- Opinion: Regulators can save lives by protecting medically vulnerable utility users [The Hill](#)

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MPSC News Clips

OF MPSC AND MICHIGAN INTEREST

Fresh off Palisades closure, Michigan will study state's nuclear prospects

[Bridge Michigan](#)

As Michigan awaits word on whether the federal government will help save the Palisades nuclear power plant, the state will consider: Could new nuclear reactors be part of Michigan's energy future?

- Holtec, Nuclear Regulatory Commission keep focus on dismantling Palisades [South Haven Tribune](#)
- MPSC Giving \$50M In Grants For Low-Carbon Energy Proposals [MIRS \(last item\)](#)
- Local Gas Appliances Prohibitions May Go in Flames [MIRS](#)
- Bridgman Cook Unit Two Nuclear Plant to shut down on Saturday [ABC 57](#)
- SMART unveils first of new all-electric buses [C&G News](#)
- Hope College partners with Ottawa County to conduct EV deep-dive [Holland Sentinel](#)

OF NATIONAL AND INTERNATIONAL INTEREST

More than 600,000 customers still without power in Florida; FPL has restored power to almost 80%

[Utility Dive](#)

Thousands of out-of-state utility workers have traveled to Florida to help with the recovery. Investor-owned utilities sent more than 44,000 mutual aid workers, while smaller cooperatives mustered about 1,300 for the recovery effort in four states.

More than 100,000 clients in Puerto Rico are still without power 2 weeks after Fiona [NPR](#)

Hurricane Ian temporarily disrupts Florida's gasoline supply chain [EIA](#)
Extensive Hurricane Damage to Telecom Networks Reported to FCC
[Telecompetitor](#)

As Hurricane Ian hits, FCC rules cell carriers must help each other in disasters
[The Register](#)

FPL says grid prep paid off in swift post-Ian power revival [E&E News](#)

This 100% solar community endured Hurricane Ian with no loss of power and minimal damage [CNN](#)

Video: Nuclear Power Stages a Comeback, But Is It Affordable and Safe? [Wall Street Journal](#)

These 'nuclear bros' say they know how to solve climate change [Washington Post](#)

Broadband Mapping By and For Communities [Benton Institute](#)

As more solar panels enter the US waste stream, producer responsibility standards emerge [Utility Dive](#)

Like Manchin, Obama tried to fast-track transmission. Nope. [E&E News](#)

U.S. shortage of electricians expected to worsen as country switches to electric appliances and vehicles, industry experts say [Washington Post](#)

Community solar can help revitalize communities. Here's how [Canary Media](#)

Alliant Energy announces plan for first utility-scale battery installations at solar farms [Milwaukee Journal Sentinel](#)

Illinois DOT weighing EV tax to offset gas tax revenue loss [WTVO](#)

Consolidated Edison sells renewable energy businesses to Germany's RWE for \$6.8B [Utility Dive](#)

Troubled carbon capture projects dog US DOE ahead of new spending spree
[S&P Global](#)

New York begins implementation of 2035 ban on new gas-powered cars and trucks, following California lead [Utility Dive](#)

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MPSC News Clips

OF MPSC AND MICHIGAN INTEREST

Feds award \$56M for high-speed internet service in rural Michigan

[Detroit News](#)

The Biden administration is awarding Michigan service providers \$55.7 million through a grant and loan program to bring high-speed internet access to those without it in rural areas of the state. The funding is part of \$759 million announced for 24 states Thursday by the Department of Agriculture's ReConnect Program, which is for applicants that serve areas without access to service at speeds of 100 megabits per second.

- Michigan to get 138 new electric school buses with \$50M in federal cash [MLive](#)
- Holtec to Decide by January Whether to Reopen Michigan Nuclear Plant [Crain's Detroit Business, subscription Bloomberg \(paywalled\)](#)
- Former CEO of DTE speaks on career, renewable energy as protestors express disapproval [Michigan Daily](#)
- Technology helps bridge the gap in mental health services in the U.P. and rural Michigan [UPword](#)
- AuSable Township asks Consumers Energy to consider economic impacts of dams [Oscoda Press](#)
- Power restored to thousands in Grand Rapids area [WOOD-TV](#)
- General Motors reaches renewable energy goal 25 years ahead of time [AP WWMT](#)
- Winter ready: Prepping your home for the cold as energy costs rise [WWMT](#)
- 2 right-wing operatives accused in multi-state false robocall scheme plead guilty in Ohio [Detroit Free Press](#)

OF NATIONAL AND INTERNATIONAL INTEREST

Congress probes telecom giants' tactics in U.S. internet aid program

[Washington Post](#)

The inquiry follows a Washington Post investigation that revealed price hikes, speed cuts, fraud risks and other trouble surrounding a pandemic-era attempt to close the digital divide.

- The EV Battery Boom Is Here, With Manufacturers Investing Billions in Midwest Factories [Inside Climate News](#)
- Why Treasury is the department to watch on clean energy [E&E News](#)
- Global energy emissions will peak in 2025 as government ramp up renewables deployment after Russia's invasion of Ukraine, IEA predicts [The Guardian](#)
- Clean energy supply bottlenecks hit overburdened communities the hardest, utilities and advocates say [Utility Dive](#)
- U.S. coal-fired generation declining after brief rise last year [EIA](#)
- Tax the rich for climate action? Protect towns from floods? It's on state ballots this November. [Grist](#)
- Your internet is slow because of where you live, not what plan you buy [NPR](#)
- Senate goes full year without vote on Biden FCC nominee Gigi Sohn [Ars Technica](#)
- How Biden's made-in-America solar strategy may backfire [E&E News](#)
- Methane 'Super-Emitters' Mapped by NASA's New Earth Space Mission [NASA](#)
- For equitable building electrification, philanthropy-backed fund puts communities in the driver's seat [Utility Dive](#)
- TVA developing plans for 20 small nuclear reactors to power Tennessee Valley by 2050 [Chattanooga Times Free Press](#)
- Federal Inflation Reduction Act will allow Alliant Energy to fully own solar farms, reduce customer costs by \$138M [Milwaukee Journal Sentinel](#)
- Ameren expects lower bills for customers from Inflation Reduction Act [St. Louis Post-Dispatch](#)
- Second company files for Iowa carbon capture pipeline permit, seeks eminent domain [Des Moines Register](#)
- FirstEnergy subsidiary JCP&L and Shell-EDF tapped for New Jersey's transmission-first offshore wind plan [Utility Dive](#)
- BMW invests \$1.7B to expand EV output in the US [Supply Chain Dive](#)

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MPSC News Clips

OF MPSC AND MICHIGAN INTEREST

PSC Orders Integrated Resource Plan Changes

[Gongwer](#)

Utilities filing an Integrated Resource Plan will now have new filing requirements and planning parameters to follow when filing with the state, based on orders approved Thursday by the Public Service Commission.

- DTE Energy, CMS Energy, other Midwest utilities expect climate law to boost profits, lower rates [E&E News](#)
- MPSC Approves Renewable Natural Gas Report [MIRS](#)
- MPSC Approves 5-year Gas Cost Recovery Plan [MIRS](#)
- \$59M Grants For High-Speed Internet Provided To MI [Gongwer](#)
- Michigan equity 'framework,' online tool, can help guide investments in line with Justice40, researchers say [Utility Dive](#)
- Auto supplier Lear to open \$80M EV parts manufacturing facility in Michigan [Detroit Free Press](#)
- 1,300-acre mega site in Clinton County is on the market. Here's what leaders hope happens next [Lansing State Journal](#)
- Consumers Energy crews find body in Lansing Township [WILX](#)
- Consumer's Energy – Keeping Heat In & Costs Low [9&10 News](#)
- Holtec set to decide by January whether to reopen Michigan nuclear plant [Detroit News](#)

OF NATIONAL AND INTERNATIONAL INTEREST

Will electric vehicles kill the gas station?

[E&E News](#)

As more Americans drive their shiny new EVs onto the highway and wonder where to go when the battery nears empty, charging stations are the agents of a revolutionary fill-up — not of gallons but kilowatts, not five-minute “stops” but half-hour

“experiences” that could completely transform the tenor of the road trip.

- Our Ailing Power Grid Isn't Cut Out for Climate Change [CNET](#)
- Podcast: Clean energy gatekeepers you've never heard of [Canary Media](#)
- Key politician grills ISPs about broadband subsidy signup trouble [Fierce Telecom](#)
- Bringing equity to electricity service through home, power sector and regulatory innovation [Utility Dive](#)
- FCC Moves to Leverage 12 GHz Band to Further Close Digital Divide [Public Knowledge](#)
- Product Highlight: EIA's Gasoline and Diesel Fuel Update [EIA](#)
- National Grid, DOE panelists call for 'grid-enhancing technologies' to quickly boost transmission capacity [Utility Dive](#)
- A landmark no more: Xcel Energy decommissions power plant in Granite Falls, Minn. [Marshall Independent](#)
- American Electric Power receives second federal subpoena related to its role in the HB 6 corruption scandal [Columbus Dispatch](#)
- Missouri governor's administration says charging infrastructure is still lacking to commit to purchasing EVs for the state's fleet [St. Louis Post-Dispatch](#)
- First Solar plans \$270M research and development center outside Toledo that would create 200 jobs near its existing manufacturing plant [Toledo Blade](#)
- Utah on the list for a possible nuclear power plant [Salt Lake Tribune](#)
- New federal program could help set up microgrids in rural W. Virginia communities that struggle with reliability issues [Charleston Gazette-Mail](#)
- Electric buses are ready for takeoff at U.S. airports [Canary Media](#)
- BP and Hertz to build EV fast charging stations across the US [Utility Dive](#)
- This chip transmits an internet's worth of data every second [Washington Post](#)
- ESG backlash unlikely to derail SEC climate risk rule [Utility Dive](#)
- Opinion | Surprise: Big Telecom Ripped Off a Broadband Subsidy Program for Low Income Americans [Techdirt](#)

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Starting today, a new look

You will notice that the publication you're about to read looks a little different than it did yesterday. Not a radical change. Your news and pricing content are still located in the same place. Navigation is essentially the same.

What we have done is refresh our font and our color palette. Our new font, Akkurat LL, is a modern typeface that's distinguished by its clear, confident look. The primary color palette of black, red and white reflects the essential nature of S&P Global and sets a tone that we believe conveys decisiveness, objectivity and transparency.

The secondary colors (which you'll see on our maps and charts) were selected for their warmth and relatability. Different brightness levels help with readability in grayscale – and subtle contrast between the colors makes values easier to compare.

We've also tested our color palette for readers who have color vision deficiency. And we built the palette to be neurodivergent friendly.

We hope you like our improvements. We want to know either way! Most important, we want to remain your source of commodity information that routinely makes you stop and think.

Feel free to share your opinion with us at support@platts.com

Best regards,

David Martinez
Head of Product Management, Market Reporting & Trading Solutions
S&P Global Commodity Insights

Megawatt Daily

Volume 27 / Issue 224 / November 21, 2022

News Headlines

New York climate law implementation plan nears completion with focus on reliability

- Emissions-free dispatchable needs quantification
- Committee differs on the role of hydrogen

Nationwide rail strike risk escalates as largest freight rail union rejects contract

- Largest rail union heads back to the bargaining table
- Dec. 8 deadline looms to reach an agreement

Diablo Canyon to get up to \$1.1B in DOE nuclear credits; Palisades denied

- First award DOE has made under program
- Palisades plant was shut down in May

Inside this Issue

News.....	3
Subscriber Notes	12
Emissions markets	13
REC markets	14
I-REC markets.....	14
Global Bitcoin Quarq Spreads.....	15
Renewable Capture Prices	16
Northeast Power Markets.....	18
PJM/MISO Power Markets	19
Southeast Power Markets.....	20
West Power Markets	21
Bilaterals.....	22

Platts peak daily demand (GW)

	13-Nov	14-Nov	15-Nov	16-Nov	17-Nov	18-Nov	19-Nov	20-Nov
ISO	7.99	8.76	8.89	8.94	9.06	9.36	9.08	8.91
BPA-Puget	17.65	18.70	19.00	18.82	18.81	18.75	18.22	19.44
CAISO	25.92	27.94	27.89	27.84	27.58	26.87	25.51	25.42
ERCOT	44.91	49.76	49.77	50.75	50.90	48.85	52.11	50.96
SPP	32.23	34.64	34.64	36.02	36.52	36.87	34.71	34.34
MISO	77.84	83.53	84.01	85.14	86.15	87.66	83.39	81.91
PJM	91.09	98.77	102.67	100.76	105.69	92.32	33.26	36.36
NYISO	17.39	19.35	19.64	19.40	19.81	19.49	18.70	19.61
NEISO	13.98	15.66	15.75	15.49	15.72	15.49	14.94	16.14
AESO	10.73	10.96	10.98	11.17	11.24	11.00	10.83	10.68

Season definitions: Summer (June – August), Fall (September – November), Winter (December – February), and Spring (March – May).

Source: S&P Global Platts

Regional day-ahead price changes

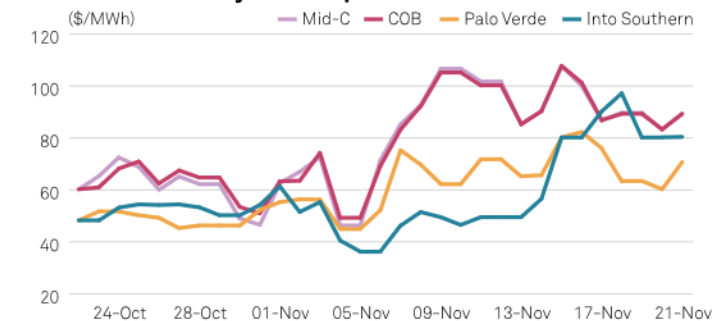
	Day-ahead peak prices		
	22-Nov	Daily chg	Prior 7-day avg
Southeast Bilateral Indices			
Into Southern	70.25	-9.92 ▼	83.88
Into GTC	71.75	-10.00 ▼	77.57
Florida	74.25	-10.00 ▼	79.82
Into TVA	70.75	-10.00 ▼	74.64
VACAR	69.75	-11.75 ▼	75.64
West Bilateral Indices			
Mid-C Hourly	—	—	98.39
Mid-C Day-Ahead	81.50	-7.61 ▼	93.09
John Day	83.50	-7.50 ▼	95.11
COB	82.50	-6.50 ▼	93.14
NOB	78.50	-7.50 ▼	88.89
Palo Verde	66.38	-4.12 ▼	71.40
Mona	76.50	-7.50 ▼	87.74
Four Corners	73.00	6.00 ▼	81.36
Pinnacle Peak	69.50	-4.00 ▼	74.68
Westwing	72.50	-4.00 ▼	81.29
Mead	73.43	-1.57 ▼	77.30
ISO Price Locations			
CAISO NP 15	91.34	-8.27 ▼	94.65
ERCOT North Hub	48.07	-17.53 ▼	64.75
ISONE Internal Hub	116.87	-44.57 ▼	94.48
MISO Indiana Hub	67.68	-16.04 ▼	76.75
NYISO Zone G	109.11	-8.64 ▼	85.10
PJM West Hub	65.43	-11.10 ▼	79.98
SPP South Hub	65.27	-17.72 ▼	79.01

Source: S&P Global Platts

Regional weather trends

	22-Nov	Daily chg	7-day forecast
54.3	5.4	59.7	
48.1	3.8	56.2	
70.5	4.2	70.5	
44.6	6.2	52.8	
56.1	0.5	56.9	
42.4	2.0	42.7	
42.4	2.0	42.7	
42.4	2.0	42.7	
42.4	2.0	42.7	
53.4	0.8	54.1	
56.1	0.5	56.9	
56.1	0.5	56.9	
56.1	0.5	56.9	
56.1	0.5	56.9	
56.1	0.5	56.9	
57.1	0.2	57.6	
50.0	3.3	56.5	
38.3	6.6	42.4	
34.1	1.1	41.1	
38.4	5.1	44.4	
38.2	3.7	45.4	
43.7	2.9	47.3	

Platts bilateral day-ahead power indexes



	Daily change		Season		Season average			
	Chg	% Chg	Min	Max	2022	2021	Chg	% Chg
Mid-C	-0.17	-1.87	5.62	9.36	6.84	6.64	0.20	3.06
COB	1.22	6.70	14.35	20.35	16.86	16.69	0.18	1.06
Palo Verde	-0.09	-0.35	24.60	51.29	31.81	30.37	1.44	4.74
Into Southern	-1.15	-2.21	39.70	70.98	55.92	54.45	1.47	2.70
Mid-C	-0.37	-1.07	24.94	48.26	34.61	34.01	0.60	1.76
COB	-1.48	-1.77	65.87	106.75	80.15	81.06	-0.91	-1.12
Palo Verde	3.10	9.32	31.66	126.95	90.96	95.76	4.80	5.01
Into Southern	0.91	4.87	15.83	23.26	18.45	18.84	-0.38	-2.04
Mid-C	1.20	8.03	10.78	17.60	14.36	14.78	-0.42	-2.84
COB	-0.15	-1.39	9.43	11.34	10.22	9.98	0.23	2.35

News

New York climate law implementation plan nears completion with focus on reliability

- Emissions-free dispatchable needs quantification
- Committee differs on the role of hydrogen

The New York State Climate Action Council is working to finalize a plan for meeting the state’s ambitious climate law targets, with a focus on including the most recent projections for the volume of zero-emissions dispatchable resources needed, according to a Nov. 21 meeting.

“This important plan will guide us into 2023 and beyond,” Basil Seggos, commissioner of the New York State Department of Environmental Conservation and co-chairman of the Climate Action Council, said during the meeting that was held in person in Albany and webcast.

The 22-member committee is preparing a scoping plan by Jan. 1 for meeting the state’s expansive climate goals. The DEC is then scheduled to prepare regulations in 2024 to enforce the measures developed in the plan.

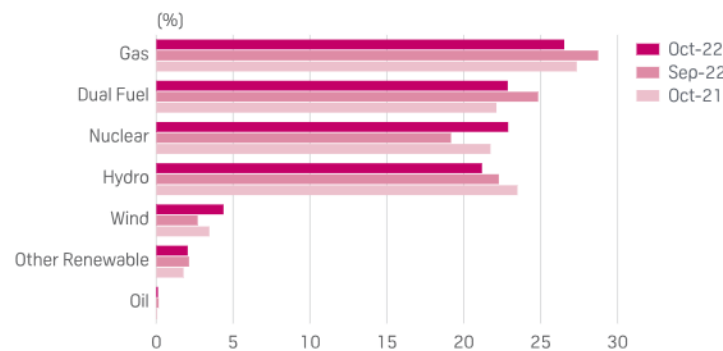
The state’s landmark climate law, called the Climate Leadership and Community Protection Act, mandates an economy-wide 85% greenhouse gas emissions reduction from 1990 levels by 2050, 100% zero-emission electricity by 2040, 70% renewable electricity by 2030, 9,000 MW of offshore wind

capacity by 2035, 3,000 MW of energy storage capacity by 2030, 6,000 MW of solar power capacity by 2025 and a carbon emissions reduction of 22 million mt through energy efficiency and electrification.

The New York Independent System operator recently cautioned that the CLCPA target of achieving a fully emissions-free electricity grid by 2040 will not be possible without incorporating dozens of gigawatts of “dispatchable emission-free resources” to provide reliable baseload power as fossil fuel-fired capacity is retired in favor of intermittent renewables.

However, such technologies—which NYISO suggested could include hydrogen, small modular nuclear reactors, and renewable natural gas, among others—remain commercially unproven.

NYISO POWER GENERATION FUEL MIX COMPARISON



Source: NYISO

S&P Global Commodity Insights

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The CAC has recommended updating the language in the draft scoping plan to “reflect a greater focus on the need for zero-emissions, dispatchable generation resources and include the most recent projections of capacity need for these resources by 2040,” according to a presentation given during the meeting.

Seeking to address this matter, the trade association Independent Power Producers of New York, the New York State AFL-CIO, and the New York State Building and Construction Trades Council filed a joint petition with the New York State Public Service Commission in 2021 that the commission hasn’t yet taken up.

To assist in meeting the CLCPA’s target of having the statewide electrical demand system be zero emissions by 2040, the commission should establish a competitive program to encourage private sector investment in a minimum of 1 GW of zero-emissions energy systems that would begin commercial operation by 2030, the groups said in the petition.

Additional feedback

The committee members also recommended expanding the language around how microgrids can be further explored as opportunities for decarbonization. The draft scoping plan says that over the next 10 years, the New York State Energy Research and Development Authority should work with utilities and campuses to enable the development of microgrids and district clean energy systems.

Microgrids should also be qualified as zero emissions to clarify they should not be built using fossil fuel resources, some committee members recommended.

Regarding the electrification of buildings, there remains some disagreement over the role of hydrogen, with some arguing green hydrogen could be blended with natural gas and used for home heating and others arguing hydrogen should only be used for long-duration energy storage.

“It would be a bad idea to do home heating with hydrogen where you lose about 55% of the energy,” Bob Howarth, professor of ecology and environmental biology at Cornell University, said.

The same unit of renewable power can produce 10 times more power by using it for a ground-source heat pump than converting it to hydrogen, he said.

“Renewable energy will be reliable but there may be times it will not be available or available in abundance and that is why we talk about the use of hydrogen in that context,” said Rory Christian, CEO and chairman of the New York State Public Service Commission.

The CAC will meet Dec. 5 to discuss any final revisions to the scoping plan with a final vote on the plan scheduled for Dec. 19.

— Jared Anderson

Nationwide rail strike risk escalates as largest freight rail union rejects contract

- Largest rail union heads back to the bargaining table
- Dec. 8 deadline looms to reach an agreement
- Strike could push up power, gasoline prices

US rail conductors, brakemen, and yardmen Nov. 21 turned down a tentative labor agreement brokered in September, setting up the potential for a nationwide rail strike in two weeks that could cripple the flow of US agricultural and energy product shipments.

Analysts at S&P Global Commodity Insights have said that electricity reliability is likely not at stake from a strike, but it would support higher electricity and natural gas prices going into the winter heating season, while the biofuel industry has warned that it could cause pain at the pump for US drivers.

Aided by the Biden administration, freight railroad companies and union leaders from the two largest rail unions—the Brotherhood of Locomotive Engineers and Trainmen and SMART Transportation Division—reached a tentative deal Sept. 15 that raised pay, loosened attendance policies and put caps on health care costs. That deal, however, required ratification by the rail unions’ rank-and-file members.

Eight unions ratified the deal, including the Brotherhood, with 53.5% of its roughly 24,000 members voting in favor of the new labor contract. But four unions have rejected it, with the latest rejection coming from SMART-TD, which saw 50.87% of its 28,000 members vote no, narrowly failing to ratify the agreement.

The four unions who have opposed the deal will head back into negotiations with a Dec. 8 deadline looming. Come Dec. 9 if no agreement is reached, freight rail as well as some commuter

CLCPA TIMELINE



Source: New York State Department of Environmental Conservation

and Amtrak trains could come to a halt. All of the unions have said they will honor picket lines if just one union opts to strike.

Congress could step in to prohibit the strike, extend the bargaining deadline or enforce a settlement agreement, but that could prove a heavy lift especially as unions have urged Democrats to not interfere.

Ethanol, crude deliveries

Roughly 70% of the ethanol produced in the US is shipped by rail, primarily from the Midwest to coastal markets. Ethanol can also be transported by truck or barge, but the number of available barges has fallen. And barges require roughly 25,000 barrels to make the fixture economical, surpassing the typical 5,000-10,000 barrel lot sizes typically traded.

A rail strike could threaten momentum for ethanol production growth spurred by the August enactment of the Inflation Reduction Act, which is slated to bring new tax credits and infrastructure investment to the ethanol sector.

And with ethanol accounting for about 10%-11% of US gasoline volume, any disruption to getting that fuel to terminals for blending is seen as likely to impact gasoline prices.

A rail strike could also disrupt deliveries of crude in the US, primarily North Dakota Bakken crude from the Midwest to refiners on the USAC and USWC.

The most recent monthly Energy Information Administration data shows the Midwest shipping 71,000 b/d of crude to the USWC in August, and 22,000 b/d to the USAC.

Coal shipments

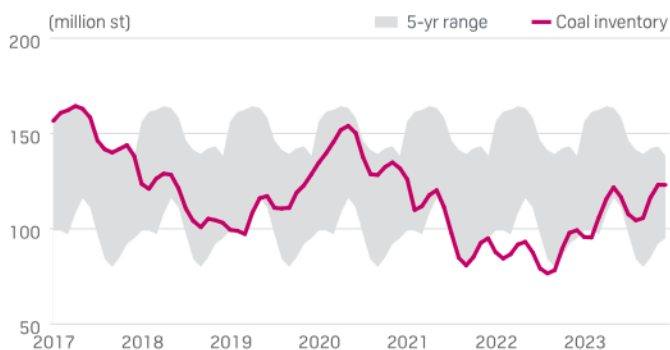
Coal shipments to power plants would also be disrupted, and at a time when “low fuel storage levels coupled with a range of potential fuel resupply challenges are creating additional risks for winter regional [bulk power system] reliability,” according to a 2022-23 Winter Reliability Assessment released Nov. 17 by the North American Electric Reliability Council.

That assessment also found that coal inventories in some areas are lower than typical following a summer of high electricity demand and high natural gas prices that made coal more economically advantageous.

Morris Greenberg, senior manager of North America power analytics with S&P Global, estimated that coal stocks “would drop by up to 1 million tons for each day that deliveries are suspended.”

“But there is an expectation that Congress will act to end a strike before it does too much damage to the economy,” he said.

US ELECTRIC POWER COAL INVENTORIES



Source: US EIA November Short-Term Energy Outlook

In the past, rail strikes have been relatively short—the last strike lasted only two days, John Ward, the executive director of the National Coal Transportation Association, said in an interview.

But even a short strike would disrupt the fluidity of rail deliveries, adding to existing delays, he said. In a recent poll of 45 coal-fired generators, 100% said that they had modified their operations in the first half of 2022 due to transportation service issues, disruptions, and delays, Ward said in a recent presentation.

Historically, coal plants have aimed to have a 60- to 90-day supply of coal on the ground at the plant, Ward said. “Nobody has been able to get into that territory lately,” he said. In the event of a rail strike, there is not a lot of coal reserve on the ground to weather any sort of prolonged supply disruption, he said.

—Jasmin Melvin, Kate Winston

Diablo Canyon to get up to \$1.1B in DOE nuclear credits; Palisades denied

- First award DOE has made under program
- Palisades plant was shut down in May

The Diablo Canyon nuclear plant in California will receive up to \$1.1 billion in credits under a federal program designed to avoid the closure of financially vulnerable nuclear plants.

The conditional award is the first that the U.S. Department of Energy has made as part of its \$6 billion civil nuclear credit program created through the bipartisan infrastructure law of 2021. The Biden administration said the program is a crucial piece of its goal to achieve a carbon-free power sector by 2035.

“This is a critical step toward ensuring that our domestic nuclear fleet will continue providing reliable and affordable power to Americans as the nation’s largest source of clean electricity,” Energy Secretary Jennifer Granholm said in a Nov. 21 news release. “Nuclear energy will help us meet President Biden’s climate goals, and with these historic investments in clean energy, we can protect these facilities and the communities they serve.”



The DOE said final terms of the award are still “subject to negotiation and finalization” by the agency.

Units 1 and 2 at 2,240-MW Diablo Canyon plant had been scheduled to be shut down in 2024 and 2025 as part of an agreement among owner PG&E Corp. subsidiary Pacific Gas and Electric Co. and environmental, labor and nuclear energy safety groups. But concerns over California’s ability to meet its clean energy targets, as well as the formation of the DOE credit program, caused state officials and the utility to rethink that course.

In early September, California lawmakers approved a proposal from Gov. Gavin Newsom to authorize PG&E to seek an extension of operations at Diablo Canyon for up to five years. The agreement was contingent upon the plant receiving the DOE credits, which will roughly offset the \$1.4 billion loan provided to Diablo Canyon through the state legislation.

After the state bill’s enactment, Pacific Gas and Electric in late October asked the U.S. Nuclear Regulatory Commission to revive the plant’s license renewal process.

No financing for Palisades plant

The DOE award to Diablo Canyon was made under the first round of the civil credit program, a tranche that was set aside for plants that had previously announced plans to close before the end of September 2026. As part of that round, Holtec International Inc. had applied for credits for the 815.6-MW Palisades plant in Michigan, with the goal of restarting operations. The Palisades plant was shut down in May, and at that time ownership was transferred from the operator, Entergy Corp., to Holtec for decommissioning.

But the DOE rejected Holtec’s application. The agency did not immediately respond to questions Nov. 21 on its decision.

“We fully understood that what we were attempting to do, re-starting a shuttered nuclear plant, would be both a challenge and a first for the nuclear industry,” Holtec said in an emailed statement. “While the DOE’s decision is not the outcome many had hoped for, we entered this process committed to working with our federal, state, and community partners to see if the plant could be repowered to return to service as a provider of safe, reliable, and carbon-free generation.”

The company said it would remain focused “on the safe and timely decommissioning of Palisades to allow for potential reuse.”

Holtec spokesperson Pat O’Brien said he was unsure if the company would pursue credits under future rounds of the DOE program. He also deferred to the DOE on its reasons for turning down the application.

The Palisades plant faced many challenges to reopening, including having already used the last of its available nuclear fuel and reassigned workers to other facilities.

S&P Global Commodity Insights reporter Molly Christian produces content for distribution on Capital IQ Pro.

— Molly Christian

Initial IRA tax credit guidance expected by Dec. 1 from Treasury Department: SEIA

- Preliminary decision on Auxin case expected by Dec. 1
- The solar industry has a goal of 30% of US electricity by 2030
- Natural gas costs this winter to be the highest in 11 years

The Solar Energy Industries Association is hoping to see by the end of the year the first set of implementation guidelines from the Treasury Department regarding clean energy tax provisions from the Inflation Reduction Act, officials said during a press call Nov. 21.

While the passing of the IRA is paving the way for historic economic growth and clean energy progress over the next decade, there are mounting supply chain problems that will require international cooperation that needs to be resolved to meet clean energy goals, SEIA president and CEO Abigail Ross Hopper said.

“We are still overly dependent on fossil fuels, particularly in power generation,” Ross Hopper said, adding the US relies on natural gas for 38% of its electricity. “That is simply out of balance, especially during the winter when the needs for home heating and cold climates cause all energy prices to rise. It’s a major vulnerability going into the winter. Greater use of solar and storage to even out demand spikes is going to become all the more important.”

While the cost for natural gas this winter will be higher than it has in 11 years, solar power is free, Ross Hopper said.

“We must continue to ramp up clean energy generation,” Ross Hopper said, adding it was disheartening to see the IRA was not a lightning rod in the midterm elections.

IRA impacts

The IRA provides a wide range of tax credits, including production tax credits for onshore wind and solar of \$26/MWh plus a 10% qualified bonus, as well as an investment tax credit of investment costs plus 10% qualified bonus for 10-plus years.

“I do think that we’ll see activity from the Treasury Department in the near term,” said Sean Gallagher, SEIA vice president of state and regulatory affairs. “Exactly what that’s on is not super clear, but one thing that is clear is that they’ve prioritized implementation of the tax credits. So, we expect most of their initial action to be around those tax credits and implementation of those tax credits.”

The solar industry has set a goal for solar to comprise 30% of US electricity generation by 2030, compared with 4.5% currently, which would cut US carbon emissions by 5%, Ross Hopper said. And, as storage capacity grows, so will battery storage installations, adding an average of 40 GWh annually through 2030, she added.

By the end of the third quarter, battery storage accounted for 3.8% of the combined utility-scale solar, wind, and battery energy storage capacity, according to the American Clean Power

Association's Q3 2022 quarterly report.

"The passing of the Inflation Reduction Act has opened the door to massive growth in the solar industry," Ross Hopper said.

Auxin case

The US Commerce Department, which opened an investigation in March into the alleged evasion of import tariffs on Chinese solar panels, is expected to issue a preliminary decision Dec. 1.

"This is a meritless case that could lock up the vast majority of imports coming into the United States," Ross Hopper said.

Auxin Solar, a solar module manufacturer based in California, filed a petition Feb. 8 asking Commerce to initiate the anti-dumping investigation into solar panel imports from Cambodia, Malaysia, Thailand, and Vietnam, which account for 84% of US solar module imports. Axion alleged the solar module parts used in manufacturing by the countries come from Chinese companies to avoid anti-dumping tariffs.

"The investment and manufacturing activities taking place in those countries clearly disprove the claim that the counties are circumventing tariffs," Ross Hopper said. "There is no place for forced labor in our supply chain."

The investigation has caused uncertainty, however, and supply chains are "disastrously tangled right now and solar developers cannot get access to finish projects," Ross Hopper said.

SEIA estimates about 1 GW of product has been delayed or stopped at the border due to US Customers and Border Protection Uyghur Forced Labor Prevention Act enforcement actions, Ross Hopper said, adding they don't believe that is the total of the impact to the industry.

"It's hard to build solar projects without solar panels," Ross Hopper said.

Longer term certainly is critical to meeting US clean energy goals as investments in projects take years to complete and any pause causes massive delays, Ross Hopper said.

— *Kassia Micek*

Former FERC chairmen urge quick action to nix state-level demand response bans

- Chatterjee, Wellinghoff back Voltus DR complaint
- DR could help with MISO capacity shortfall: panelists

Two former chairmen of the Federal Energy Regulatory Commission urged FERC Nov. 21 to act so that demand response could play a bigger role in addressing capacity shortfalls and reliability risks in the Midcontinent Independent System Operator region.

"Tell FERC to take the opt-out away," said Jon Wellinghoff, who headed FERC from 2009 to 2013. Nixing state-level demand response bans will unlock the ability for customers to use their load flexibility and make money off of it, he said during a webinar by Voltus, a third-party demand-response aggregator.

The comments come as the North American Electric Reliability Corporation recently warned that much of the North American bulk power system, including MISO, remains at risk of insufficient electricity supplies during peak winter conditions.

Neil Chatterjee said that he was at FERC, he pushed the commission to act to allow broader use of demand response. "I have been frustrated," said Chatterjee, who was chairman in 2017 and from 2018-2020. "We are sitting a year and a half later and the commission hasn't taken action on the opt-out."

In 2021, FERC launched a notice of inquiry (RM21-14) into whether it should direct grid operators to effectively ignore state-level rules barring third-party demand response aggregators.

At the time of the NOI, Chatterjee said there is no reasonable explanation as to why the commission should maintain the opt-out and treat demand-response resources differently from other distributed energy resources.

The year prior had filed a complaint at FERC arguing FERC should not allow states to opt out of commission rules enabling demand-side resources to get wholesale market compensation for curtailing electricity consumption in response to price signals.

Allowing more widespread use of demand response is one of the ways to help the grid cope with the increase in solar and wind resources, the panelists said.

"If you are going to have scaled variable resources, you have got to have scaled variable load," said Ted Thomas, the former chairman of the Arkansas Public Service Commission. "That's the cheapest option and we need to make that happen," he said.

The current opt-out doesn't make sense so FERC should grant the Voltus complaint, Thomas said. "There [are] holes in the law that will be gamed," he said. "The law should not permit this irrational patchwork to exist and the states don't need to wait for FERC," he said.

Most of the states in the MISO region have barred third-party demand response aggregators. Earlier this year, the Industrial Energy Consumers of America urged FERC to remove the opt-out so that demand response can do more to address the summer capacity shortfall in MISO.

North and Central MISO came up 1.3 GW short on capacity in MISO's most recent capacity auction for the planning year that began in June. And the capacity shortfall could more than double to 2.6 GW next year, according to MISO and the Organization of MISO States.

Demand response is particularly well suited to address elevated electricity prices and capacity shortfalls in MISO because it can take years to build new resources and interconnect them to the grid, Chatterjee said.

But unfortunately, it may take something like a blackout to get FERC to stop dragging its heels and act on the opt-out, Chatterjee said. "Sadly, it will take an event like that to, in my view, lead to the policy changes that are necessary," he said.

— *Kate Winston*

COP27: loss and damage deal struck; little energy transition, emissions progress

- Coal phase down maintained, not extension to 'fossil fuels'
- \$4 trillion/year needed for renewables to 2030
- Limited progress on Article 6, more work needed

The UN Climate Change Conference concluded in Sharm el-Sheikh, Egypt, in the early hours of Nov. 20, with no major progress in the final text on emissions reductions or energy transition from COP26 in Glasgow in 2021, despite being billed as the "implementation COP."

In what was characterized as a major breakthrough, however, the conference agreed to set up a fund for nations hardest hit by climate change, with a new transitional committee to make recommendations on "operationalization" of the fund at COP28 in November, 2023.

Further, the importance of low-carbon and renewable energy investment was highlighted in the "Sharm el-Sheikh Implementation Plan," with the agreement saying \$4 trillion a year was needed in renewables' spend to 2030, while "a global transformation to a low-carbon economy is expected to require investment of at least \$4 trillion to \$6 trillion per year," it said.

The plan maintained much of the language of Glasgow, with several delegates expressing frustration it did not go further, amid accusations of efforts to backtrack on previous commitments from some countries.

COP26 president Alok Sharma told the BBC: "We had to fight incredibly hard, relentlessly — it was like a battle — to make sure that we preserved what we got over the line in Glasgow."

EU executive vice-president Frans Timmermans said at COP27 there was a "yawning gap between climate science and our climate policies," and that the mitigation program agreement allowed some parties to "hide from their commitments."

"This is the make or break decade," he said. "But what we have in front of us is not enough of a step forward for people and planet. Too many parties are not ready to make progress in the fight against the climate crisis."

No mention was made of peaking emissions by mid-decade — something some delegates had been pushing for. And the language on the phase down of coal did not shift from the Glasgow agreement.

India was amongst countries calling for the phase down of all fossil fuels. However, Timmermans expressed concern earlier in the week that such language risked prolonging the use of more polluting coal, rather than shifting to lower emissions fuels such as gas.

Carbon markets

On international carbon markets, technical work advanced rules governing bilateral accounting for the transfer of international emissions units and a new emissions crediting system governed by the UN, under Article 6.2 and 6.4 of the Paris Agreement.

"We welcome the compromise achieved on the 6.2 and 6.4 guidance, thanks to the hard work by the Secretariat, the co-facilitators and Egyptian Presidency," The International Emissions Trading Association's CEO and President Dirk Forrister said in a statement Nov. 19, after the final drafts were submitted to the presidency.

"The texts provide key elements to implement high-integrity carbon markets that can help deliver net zero ambitions for all countries."

Work is set to continue in 2023 on infrastructure and integrity measures.

"We expect further decisions at COP28 and beyond, but it is now up to national governments to set up market-based policies under Article 6.2 to achieve NDCs [Nationally Determined Contributions under the UN climate agreement] and increase climate ambition with broad private sector participation," Forrister said.

"The pace of development of the Article 6.4 mechanism must accelerate to make a difference in the fight against climate change in this decade."

Platts, part of S&P Global Commodity Insights, assessed nature-based carbon credits at \$5.70/mt on Nov. 18, up from a low of \$5.20/mt on Nov. 11, but below a peak of over \$16/mt at the start of the year.

Difficult negotiations

On reducing emissions, the Sharm el-Sheikh plan "recognizes that limiting global warming to 1.5 C requires rapid, deep and sustained reductions in global greenhouse gas emissions of 43 per cent by 2030 relative to the 2019," retaining similar language to that agreed in Glasgow.

The COP27 talks ran well past the planned close on Nov. 18, as delegates grappled to secure agreement over a loss and damage fund to support the developing countries worst-affected by the impacts of climate change.

Detailed planning on how to apply and support the fund were kicked into next year, with a transition committee to work on recommendations "identifying and expanding sources of funding."

"This was not easy," Egyptian COP president Sameh Shoukry said at the close. "We worked around the clock. Long days and nights. Strained and sometimes tense In the end we delivered."

— James Burgess

Texas state review finds PUC 'woefully' unprepared for its responsibilities

- Confusion over jurisdiction, responsibilities
- Latest step in the state agency review process

The Public Utility Commission of Texas has limited staff and resources to carry out its duties overseeing power grid reliability, very few long-time staffers with an understanding of commission rules and a lack of clear communications with public and energy market stakeholders that has worsened mistrust in the agency's

actions since the February 2021 winter storm, a new report from the state legislature concluded.

The Nov. 17 report from the Sunset Advisory Commission, a type of audit by state lawmakers, also found weaknesses that should be addressed at the Electric Reliability Council of Texas (ERCOT) and the state Office of Public Utility Counsel, which serves as the state's official consumer advocate for utility customers.

But the most critical review focused on the PUC, which now has five commissioners after legislative actions expanded the PUC to five members. The three commissioners who were in place during Winter Storm Uri, which caused widespread blackouts and more than 200 deaths in February 2021, all exited under pressure last year. The exodus was not limited to upper leaders, however, as the report shows a 40% turnover rate in the PUC legal division, whose director, the only attorney with more than three years of experience, transferred to the division in April 2022.

Although authorized to employ 209 staff, the PUC in fiscal year 2021 employed 166 staff, with an operational budget of \$16.1 million, according to the report.

Without increased funding, added staff, better decision-making and better coordination with ERCOT, the PUC "cannot truly fulfill expectations for ensuring a reliable electric grid," said the staff of the Sunset Advisory Commission, which is made up of state lawmakers.

"The review found PUC is woefully under-resourced given its critical responsibilities and the work that still lies ahead," which includes possible wholesale power market design changes that are under review, along with other significant responsibilities, the report said.

"Sunset staff observed the considerable challenges associated with having fewer than 200 employees to oversee utility industries vital to the well-being of Texans, including a lack of needed expertise, cumbersome regulatory processes that can drive up costs to consumers, and a general inability to be more strategic and proactive, particularly in communications and data management," it concluded.

"Throughout the review, Sunset staff heard numerous concerns from regulated entities about differing legal interpretations among PUC's staff attorneys or that the attorneys lacked experience and necessary in-depth knowledge of agency statutes," said the report.

The report also suggests most of the PUC staff is either inexperienced or close to leaving. Key PUC personnel are eligible or nearly eligible for retirement, while slightly more than half of all PUC staff have fewer than five years of service and about one-third had less than two years of service as of February 2022, the review found.

The PUC also has set out poorly defined metrics for market participants and ERCOT, enforces disjointed reporting requirements that do not provide an accurate picture of grid reliability needs, and operates with limited transparency because it uses informal methods to instruct ERCOT, says the report.

The review found that "continuing confusion over PUC's jurisdiction and responsibilities compared to other state and federal entities, insufficient information on its antiquated website, and a lack of strategic communications planning prevents the agency from adequately educating and informing consumers." It pointed to examples in which Texans were unfamiliar with the meanings of grid reliability status updates and calls for conservation issued by ERCOT earlier this year. In May, officials in a small Texas city misunderstood an appeal for conservation as a warning of rolling blackouts, the report said.

Yet "as ERCOT's overseer, PUC is responsible for ensuring both entities provide clear, consistent, and easily understandable information the public needs. Though PUC and ERCOT have improved their public communications since Winter Storm Uri, additional coordination would further strengthen the clarity and usefulness of both entities' communications and help restore the public's trust," the Sunset Advisory Commission staff said.

The PUC in August created the office of public engagement to help the public participate in PUC activities and become familiar with agency rules. The office posted online that because it is newly created, the PUC is in the process of hiring staff to handle public inquiries.

The PUC is reviewing the report and will provide comments within the Sunset Advisory Commission's deadline, PUC spokesperson Rich Parsons said Nov. 21. The PUC's budget request of state lawmakers for coming years asks for increased funding to better hire and retain staff, Parsons said.

The staff report is the latest step in the state agency review process. Following a comment period and discussion of recommendations at a public hearing of the Sunset Advisory Commission, the state legislature will convene in January 2023 and consider statutory changes in a bill for the PUC, according to the document.

— Tom Tiernan

Wind turbine producers may see sellers' market as price hikes continue

- All turbine makers say IRA will boost US demand
- Turbine makers marketing larger designs

Producing turbines has been a persistently unprofitable business, but there is a shift afoot in the customer bargaining and price-setting dynamic after many years of price pressure for wind power.

In the current state of play, all three European pureplay wind turbine producers — Siemens Gamesa Renewable Energy SA, Nordex SE and Vestas Wind Systems A/S — expect to end the year at a loss, as the effects of commodity price inflation and logistics challenges persist. General Electric Co.'s renewables unit continues to struggle also, with executives pointing to supply chain constraints.

Even as pricing has picked up to reflect higher costs, it will likely take more than a year for those higher-priced orders to

translate into sales on the books.

Rising costs are only one catalyst: turbine makers are also hiking prices as part of a shift away from chasing market share to focus instead on profitability.

"We took a hard strategic decision many quarters ago that market share and volume was secondary compared to value profit and pricing, and that we are executing on," Vestas CEO Henrik Andersen said on the company's earnings call Nov. 2.

Strategic shifts

Vestas upped its turbine prices significantly this quarter to more than Eur1 million/MW. That strategy is not without risk, though. "It remains to be seen whether pricing at these levels is sustainable for Vestas, or whether it will have a material impact on its market share," Berenberg analysts said in a note Nov. 17.

Siemens Gamesa likewise said it is seeking higher prices and exercising selectivity in its booking process, though per-MW costs dipped slightly in the company's fiscal fourth quarter.

The company is seeing the first green shoots for its beleaguered onshore wind segment under its turnaround plan, with the unit posting a 53% increase in order intake in its fiscal fourth quarter. Still, the job for the company's turnaround specialist CEO Jochen Eickholt is far from done. Siemens Gamesa, which is being taken over by Siemens Energy AG, is reducing its headcount by 10% as part of its Mistral reorganization plan to cut costs and streamline its production footprint.

The shift to higher prices may increasingly be baked into the long-term dynamics of the market.

"We're expecting the dynamic to change from being a buyers' market to being a suppliers' market. That will have a fundamental impact on what the turbine manufacturers will charge," Mike Blanch, associate director at consultancy BVG, said in an interview.

Demand for renewables is unrelenting, and many turbine buyers recognize that distribution of commodity price risk may need to shift to ensure turbine suppliers can continue to operate profitably.

Developers are able to pass on the higher cost to power buyers, for instance through the rising prices for power purchase agreements. "We see the PPAs continue to move up at exactly the same sort of curve as the inflation we continue to see, for example, from the turbines," Ørsted A/S CEO Mads Nipper said on the company's earnings call Nov. 3.

"PPAs already are reflecting the new situation," Ignacio Galán, CEO of renewables company Iberdrola SA said Oct. 25. Prices for European PPAs were up 51% compared to the same period in 2021, according to LevelTen Energy Inc.

US market offers promise

All turbine makers said the Inflation Reduction Act, set to incentivize renewables deployment, will boost demand in the US in the coming years. Nordex is now considering dusting off the mothballed West Branch nacelle production plant in Iowa to help meet this demand. The company may also use a blade factory in

Mexico to supply US projects.

"The market is going to be substantial and we want to be part of that," Nordex CEO José Luis Blanco told analysts Nov. 15.

Such moves are no surprise to observers. "The [Inflation Reduction Act] sets the long-term context that makes manufacturing in the U.S. so much easier," Blanch said.

Capturing more US market share could become an uphill climb for General Electric, which lost a lawsuit against Siemens Gamesa over the patent for its Haliade X 12-MW offshore wind turbine. A judge in Massachusetts ruled that the pieces of technology that enabled the leap in size were copied, and banned GE from selling the machine in the country. GE has appealed the decision but it could open the field for competitors to grow their US foothold while GE evaluates next steps.

While the top four names dominate global wind orders, competitive pressure from newer players is also growing.

Chinese manufacturers such as Ming Yang Smart Energy Group Ltd. and Xinjiang Goldwind Science & Technology Co. Ltd. have made headway outside of Europe and North America and are also busy meeting surging domestic demand. "With that said, European developers still keep an eye on Mingyang," Blanch said, adding this applies mainly in offshore wind. "Mingyang is probably something that keeps offshore manufacturers a bit keener than they would otherwise be."

Looking ahead, Blanch said extending the lifetime of each turbine platform would be a key to profitability. Amid insatiable hunger for scale, turbine makers have been marketing larger and larger designs in quick succession.

Being able to sell the same design for longer could make the research and development and engineering efforts more cost-effective.

"These things are jolly expensive to develop. If they can slow down product lifecycles that helps their profitability," Blanch said.

S&P Global Commodity Insights reporter Camilla Naschert produces content for distribution on Capital IQ Pro.

— Camilla Naschert

Hydrogen

Hydrogen adoption beyond hard-to-abate sectors should be 'last in priority': IRENA

- 'Indiscriminate' hydrogen use could delay energy transition
- Hydrogen adoption by 2050 will depend on gas, electrolyzer prices

Hydrogen adoption beyond the hard-to-abate sectors should be "last in priority" if the hydrogen economy is going reach economies of scale, according to a recent International Renewable Energy Agency report.

The hard-to-abate sectors where hydrogen uptake should be prioritized include those that would benefit from a more centralized production and offtake environment, like chemical refining, steel manufacturing, long-haul aviation, international

shipping, and seasonal energy storage.

Sectors where hydrogen use should be deprioritized, and would instead benefit from electrification, including residential heating, urban vehicles, regional trucking, short-haul aviation, and short-term energy storage.

Other use cases, like ferries, trains, high-temperature heating, and long-haul trucking, could potentially use hydrogen to decarbonize but are not ranked by IRENA as a high priority.

"Despite hydrogen's great potential, it must be kept in mind that its production, transport, and conversion require energy, as well as significant investment," said the report, released during the UN Climate Change Conference in Egypt. "Indiscriminate use of hydrogen could therefore slow down the energy transition. This calls for priority setting in policymaking."

In the US, refineries are the largest consumers of hydrogen, which today is mostly produced using fossil fuel resources. Almost two-thirds of US hydrogen production flow to refineries. The second largest demand sector is ammonia production.

The IRENA analysis estimates that domestic hydrogen demand in the US could grow from 11 mt/year in 2020 to between 36 mt/year and 56 mt/year by 2050. Transportation is expected to be the dominant demand sector, consuming about 45% of domestic production by mid-century. Steel, ammonia, and methanol production would be the second-largest demand source with 25% of total consumption, followed by energy storage at 21%. The remaining 9% of domestic supply is projected to be blended in the natural gas network for heating—a process that many utilities are already experimenting with.

However, these levels could only be reached if the levelized cost of hydrogen reaches below \$2/kg to become competitive in the most technologically challenging applications—a level that is expected to be reached using assistance from the \$3/kg clean hydrogen tax credit within the Inflation Reduction Act.

Platts, part of S&P Global Commodity Insights, assessed green hydrogen produced by PEM electrolysis in the US Gulf Coast at \$4.94/kg (including capex) Nov. 18, while that produced using alkaline electrolysis was assessed at \$3.83/kg. Meanwhile, costs for green hydrogen on the West Coast were assessed slightly higher. Green hydrogen produced by PEM electrolysis in Southern California was assessed at \$6.57/kg, while that produced using alkaline electrolysis was \$5.16/kg.

Electrolyzer, gas prices

Hydrogen's competitiveness in these sectors would also depend on two other factors: the 2050 costs of electrolyzers and the price of natural gas.

If gas prices average around \$6.60/MMBtu in 2050 in the US while electrolyzer costs remain high, around \$400/kWh, at least 85% of the hydrogen supply will be blue hydrogen, or that produced using a natural gas feedstock with carbon capture technologies. If natural gas prices are higher, around \$11.30/MMBtu while electrolyzer costs are low—between \$100/kWh and \$200/kWh—then green hydrogen could comprise between 40% and 90% of domestic supply, IRENA's analysis says.

Platts assessments show that, as of April 2022, alkaline electrolyzers cost \$861/kWh while PEM electrolyzers cost \$1,348/kWh. For natural gas prices, the cash price at the benchmark Henry Hub in Louisiana averaged \$8.20/MMBtu July 1-Sept. 1, up from \$4.01/MMBtu for the same period in 2021, before prices, surged following the Russian invasion of Ukraine.

"It has become clear that hydrogen must play a key role in the energy transition if the world is to meet the 1.5 [degree Celsius] target of the Paris Agreement," IRENA Director-General Francesco La Camera said in the report. "In particular, low carbon and green hydrogen offer vital opportunities for the development of hard-to-decarbonize sectors that cannot be electrified, or which have no viable alternative to fossil fuels—such as industry and heavy transportation including aviation, shipping, and road haulage."

— Brandon Mulder

COP27: Draft Article 6 wording could risk integrity of carbon markets: analyst

- Concerns over transparency of projects
- Warning of potential two-tier market
- 'Unauthorized' credits 'do not imply lack of integrity'

A draft text for an agreement on international carbon trading could pose a risk for the integrity of carbon credits, analyst Matt Williams of think tank the Energy and Climate Intelligence Unit said Nov. 18.

The concerns came as the UN Climate Change Conference in Sharm El-Sheikh, Egypt, entered its final day, with negotiators locked in talks over a broad range of issues from greenhouse gas emissions mitigation to climate adaptation, finance for developing countries and payments for loss and damage.

There is a "level of secrecy [in Article 6.2] that some parties seem to want around the information to do with carbon credits," Williams said on the sidelines of COP27.

The broad architecture of Article 6.2 of the Paris Agreement, which sets out the accounting rules for the transfer of international emissions units, was agreed at the COP26 summit in Glasgow in 2021.

However, further details are yet to be agreed on a framework all countries can accept.

More transparency was essential to build credibility in the market, Williams said.

"We know there's a massive biodiversity financing gap, and carbon credits could help to plug that if they're done right," he said.

One reason some countries want secrecy over carbon reduction projects relates to issues of national security, for example if projects were being implemented in restricted areas, he said.

A separate issue is "unauthorized" carbon credits which do not have to abide by the same rules as those authorized by countries, he said.

"They may not generate a genuine benefit to the climate and may undermine the credibility of the market," he said.

"At Glasgow last year it was decided that unauthorized credits aren't subject to corresponding adjustments, so they could potentially be double counted. That was decided last year, but unauthorized credits disappeared, so it didn't really matter. But then this year, they've come back," Williams said.

These credits can still carry environmental integrity, so long as they are not being used to make specific claims around offsetting emissions, he said.

On-going process

Andrea Bonzanni, International Policy Director at the International Emissions Trading Association, said unauthorized credits did not risk environmental integrity.

On Article 6.2, further work will take place throughout the coming year and at COP28 in Dubai in 2023, he said.

"There's work countries need to do if they want to use 6.2," regardless of decisions at COP27, Bonzanni said.

"There's work the supervisory body needs to do to operationalize the 6.4 mechanism," he said.

On Article 6.4, which sets out a new emissions crediting system governed by the UN, different types of unit will serve different purposes, he said.

"The fact that units are not authorized by the host country does not mean they do not contribute to real and additional emissions reductions and contribute to the fight against climate change. It is not a risk for environmental integrity," Bonzanni said.

Previous negotiations at COP have frequently extended beyond the formal last day, stretching into the following Saturday as nations work overnight to agree the wording of any final decision text.

Platts assessed the price of nature-based avoidance carbon credits at \$12.35/mtCO₂e Nov. 18, according to S&P Global Commodity Insights data.

— James Burgess, Frank Watson

Subscriber Notes

Thanksgiving holiday North American power, gas trading schedule

Megawatt Daily and Platts Energy Trader will not be published Nov. 24-25 due to the Thanksgiving Day holiday in the US.

No price data will be collected on those days.

Daily North American power and gas data collecting during the week of Thanksgiving is as follows:

West bilateral assessments performed Nov. 21 will include day-ahead on-peak and off-peak for Nov. 22-23 flow.

West bilateral assessments performed Nov. 22 will include day-ahead on-peak and off-peak for Nov. 24-25 flow.

West bilateral assessments performed Nov. 23 will include day-ahead on-peak and off-peak for Nov. 26-28 flow, and weekend on-peak and off-peak for Nov. 27 flow.

Southeast bilateral assessments performed Nov. 23 will include day-ahead on-peak for Nov. 28, day-ahead off-peak for Nov. 24-28 flow, and weekend on-peak for Nov. 24-27 flow.

Daily North American natural gas price data collected Nov. 23 will be for flow dates Nov. 24-28.

For power price data questions, please contact Daryna Kotenko at daryna.kotenko@spglobal.com. For natural gas price data questions please contact Pam Libby at pam.libby@spglobal.com.

Platts to streamline hydrogen content distribution

In line with the development of its Energy Transition offering, Platts, part of S&P Global Commodity Insights, will continue to streamline the distribution of its hydrogen pricing content. As a result, several changes will affect the distribution of hydrogen price assessments in the coming months.

On Nov. 14, Platts will launch a dedicated daily market PDF report for hydrogen. The report will be entitled Platts Hydrogen Daily and will feature hydrogen price assessments, as well as relevant ammonia prices and market news and insights. The report will be available to Energy Transition subscribers on Platts Dimension Pro, via email and on Platts Energy Transition Alert (ETA).

From Jan. 16, hydrogen pricing content available on a complimentary basis to non-Energy Transition subscribers on Platts Dimensions Pro will be adjusted to a selection of key price assessments. A selection of hydrogen price assessments will also remain available alongside related content on the Platts LIVE Energy Transition page. For further content including our full suite of hydrogen price assessments, please contact our Client Service team via support@platts.com and ask about our Energy Transition packages.

For questions regarding our hydrogen market coverage and methodology, please reach out to hydrogenassessments@spglobal.com and pricegroup@spglobal.com. For written comments, please provide a clear indication if comments are not intended for publication by Platts for public viewing. Platts will consider all comments received and will make comments not marked as confidential available upon request.

Emissions markets

Emissions Markets, Nov 17 (Current Year Vintage)

	Symbol	Close	Change
RGGI Current Month Strip (\$/Allowance)	ARJAF00	13.240	-0.010
RGGI Next Month Strip (\$/Allowance)	ARJAG00	13.280	-0.010
RGGI Next December Strip (\$/Allowance)	ARECA04	13.280	-0.010
CCA Current Month Strip (\$/Allowance)	ARJAH00	27.920	0.030
CCA Next Month Strip (\$/Allowance)	ARJAI00	28.040	-0.030
CCA Next December Strip (\$/Allowance)	ARECB04	28.040	-0.030
CCO Current Month Strip (\$/mt)	ARJAJ00	18.900	0.130
CCO Next Month Strip (\$/mt)	ARJAK00	19.080	0.140
CCO Next December Strip (\$/mt)	ARECC04	19.080	0.140

REC markets

Renewable Energy Certificate Markets, Nov 17 (\$/MWh)

	Symbol	Close	Change
RECs Current Year Vintage*			
Connecticut REC Class 1	RECCTC1	35.850	0.000
Massachusetts REC Class 1	RECMAC1	35.700	0.000
Maine REC Class 1	ARFAQ00	31.500	0.000
New Hampshire REC Class 1	ARFAV00	36.150	0.000
Rhode Island REC Existing	ARGAB00	10.250	0.000
Rhode Island REC New	ARGAC00	35.850	-0.230
Vermont REC Tier 1	ARGAG00	NA	NA
NEPOOL REC Dual Qualified Class 1	ARHAA00	35.570	0.000
Maryland REC Tier 1	RECMDT1	26.700	0.720
New Jersey REC Class 1	RECNET1	26.840	0.510
New Jersey REC Class 2	AREAW00	20.000	0.500
Pennsylvania AEC Tier 1	RECPAT1	26.400	0.400
Ohio non-Solar REC	RECOHI0	5.000	1.290
DC REC Tier 1	ARGAO00	10.250	-0.250
Delaware REC Tier 1	ARGAS00	NA	NA
Virginia non-Solar REC	ARGAW00	11.560	-0.040
PJM Tri-Qualified REC Tier 1	ARHAD00	26.500	0.500
Texas non-Solar Compliance REC	RECTX00	2.380	0.030
Texas Green-e Eligible Wind REC	ARFAI00	2.380	0.030
Michigan non-Solar REC	ARFAM00	2.750	0.000
New York REC Tier 1	ARGAK00	24.250	0.000
New York Wind REC	ARGAM00	17.250	0.000
M-RETS Compliance REC	ARHAF00	1.950	0.150
from CRS Listed Facilities FH			
M-RETS Compliance REC	ARHAG00	2.050	0.150
from CRS Listed Facilities BH			
NAR Any REC	ARHAI00	1.950	0.150
NAR Any Green-e Eligible REC	ARHAK00	1.950	0.150
NAR Green-e Eligible Wind REC	ARHAN00	1.950	0.150
California Bundled REC Bucket 1	RECCAB1	12.750	0.000
California Bundled REC Bucket 2	RECCAB2	9.000	0.000
California Bundled REC Bucket 3	RECCAB3	5.200	0.000
National Green-e Certified REC Any Technology	RECUSAV	2.600	0.200
National Green-e Certified Wind	RECUSWV	2.600	0.200
Solar RECs Current Year Vintage*			
Massachusetts SREC 1	RECMAS0	336.000	0.000
Massachusetts SREC 2	ARHAW00	280.000	1.000
Maryland SREC	RECMDS0	60.500	-0.500
New Jersey SREC	RECNETS0	224.500	0.000
Pennsylvania SAEC	RECPAS0	46.000	0.000
Ohio SREC	RECOHSI	3.750	0.000
DC SREC	ARIAL00	382.500	0.000
Delaware SREC Class 1	ARIAO00	NA	NA
Virginia In-State SREC <1MW	ARIAX00	40.000	0.000
Texas SREC	ARIAR00	2.780	0.180
Texas Compliance SREC	ARIAT00	2.780	0.180
from CRS Listed Facilities			
New York SREC	ARIAE00	NA	NA
NAR SREC	ARJAA00	NA	NA
NAR SREC CRS Listed	ARJAC00	NA	NA

*Prices are for the value of the environmental attribute of the renewable energy certificate only and do not include energy. Additional pricing for California Bundled RECs, National Voluntary RECs, additional Classes/Tiers, and Prior and Next year Vintages can be found on <https://dimensionspro.spglobal.com/>.

I-REC markets

Platts Global I-RECs Assessments

	BRL/MWh	Brazil USD/MWh	Eur/MWh
Hydro			
Previous Year	1.150	0.217	0.222
Current Year	1.150	0.217	0.222
Wind			
Previous Year	1.730	0.326	0.333
Current Year	1.730	0.326	0.333
Solar			
Previous Year	1.730	0.326	0.333
Current Year	1.730	0.326	0.333
Biomass			
Previous Year	1.030	0.194	0.199
Current Year	1.030	0.194	0.199

Turkey	
Eur/MWh	USD/MWh
0.320	0.328
0.400	0.410
0.400	0.410
0.520	0.533
0.400	0.410
0.520	0.533
0.300	0.307
0.380	0.389

India		
INR/MWh	USD/MWh	Eur/MWh
33.000	0.403	0.394
110.000	1.344	1.313

Global Bitcoin Quarq Spreads

Spot European, November 20 (\$/MWh)

Nordics, Germany, France, Spain

	Spread	Renewable-Hydro	Renewable-Wind	Renewable-Solar
NO1	-78.02	-86.46	-86.39	-86.39
NO2	-78.02	-86.46	-86.39	-86.39
NO3	35.15	26.70	26.77	26.77
NO4	59.63	51.19	51.25	51.25
NO5	-78.02	-86.46	-86.39	-86.39
SE1	-132.29	-140.73	-140.67	-140.67
SE2	-132.29	-140.73	-140.67	-140.67
SE3	-132.29	-140.73	-140.67	-140.67
SE4	-134.70	-143.15	-143.08	-143.08
FI	-143.14	-151.58	-151.52	-151.52
DK1	-135.03	-143.47	-143.41	-143.41
DK2	-135.03	-143.47	-143.41	-143.41
Systemwide	-83.44	-91.88	-91.82	-91.82
Germany	-135.57	-144.02	-143.95	-143.95
France	-136.40	-144.84	-144.78	-144.78
Spain	-17.80	-26.24	-26.18	-26.18

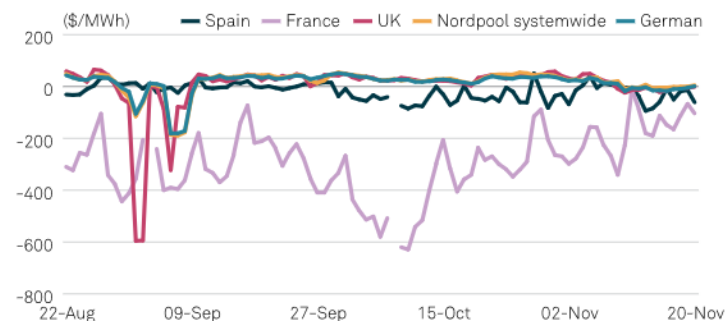
United Kingdom

	Spread	Renewable-Non-Biomass	Renewable-Biomass
GB	-72.72	-79.98	-78.98

Spot North American, November 20 (\$/MWh)

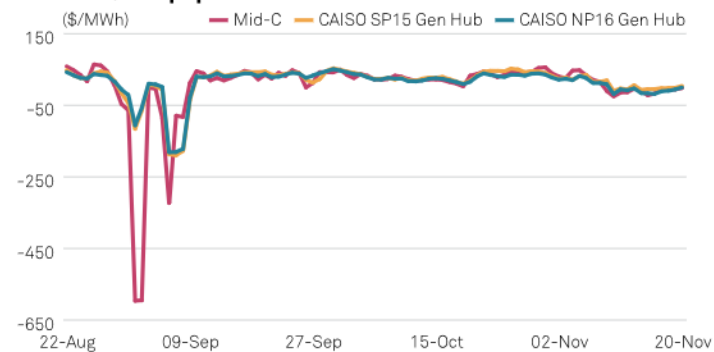
	Spread	Renewable-Any Tech	Renewable-Solar
Texas			
ERCOT AEN Zone	22.47	19.87	19.69
ERCOT Bus Average	28.60	26.00	25.82
ERCOT CPS Zone	31.58	28.98	28.80
ERCOT Houston Zone	29.00	26.40	26.22
ERCOT Hub Average	28.34	25.74	25.56
ERCOT LCRA Zone	23.53	20.93	20.75
ERCOT North Zone	26.11	23.51	23.33
ERCOT Rayburn Zone	25.91	23.31	23.13
ERCOT South Zone	42.77	40.17	39.99
ERCOT West Zone	4.54	1.94	1.76
Midwest			
SPP North Hub	68.10	65.50	65.32
SPP South Hub	13.11	10.51	10.33
Georgia			
Into GTC	4.64	2.04	1.86
Kentucky			
Into TVA	14.89	12.29	12.11
Indiana Hub	17.95	15.35	15.17
New York			
NYISO Zone A	65.41	62.81	62.63
NYISO Zone C	65.28	62.68	62.50
NYISO Zone D	76.20	73.60	73.42
NYISO Zone E	63.86	61.26	61.08
California			
CAISO NP16 Gen Hub	-1.90	-4.50	-4.68
CAISO SP15 Gen Hub	2.34	-0.26	-0.44
Washington			
Mid-Columbia	-3.86	-6.46	-6.64

Bitcoin Quarq spreads Nordics vs Germany, UK, France, Spain Spot baseload



Source: S&P Global Commodity Insights

Bitcoin Quarq spread CAISO vs Mid-C



Source: Source: S&P Global Commodity Insights

Renewable Capture Prices

Renewable Capture Price Indexes (\$/MWh)

Date: 19-Nov*

Index	Symbol	Current	Previous
CAISO			
CAISO NP15 Gen Hub Solar	ACPIC00	74.64	76.13
CAISO NP15 Gen Hub Wind	ACPIA00	87.15	96.10
CAISO SP15 Gen Hub Solar	ACPID00	33.10	63.81
CAISO SP15 Gen Hub Wind	ACPIB00	63.68	88.33
CAISO ZP26 Gen Hub Solar	ACPIE00	27.49	60.40
ERCOT			
ERCOT North Hub Solar	ACPIL00	55.97	42.62
ERCOT North Zn Weighted Average LMP Wind	ACPII00	68.97	42.49
ERCOT South Hub Solar	ACPIN00	42.65	42.16
ERCOT South Zn Weighted Average LMP Wind	ACPIK00	-12.74	33.78
ERCOT West Hub Solar	ACPIM00	57.72	43.72
ERCOT West Zn Weighted Average LMP Wind	ACPIJ00	71.82	41.32
ISONE			
ISONE Internal Hub Solar	ACPXE00	74.08	63.00
ISONE Internal Hub Wind	ACPD00	83.43	73.32
MISO			
MISO Indiana Hub Solar	ACPIT00	70.79	79.92
MISO Indiana Hub Wind	ACPIR00	72.34	80.90
MISO Louisiana Hub Solar	ACPIU00	55.20	70.83
MISO Minnesota Hub Solar	ACPIQ00	18.99	19.94
MISO Minnesota Hub Wind	ACPIQ00	19.92	18.78
NYISO			
NYISO Hudson Valley Zone Wind	ACPXB00	70.44	71.92
NYISO West Zone Wind	ACPXC00	24.35	33.01
PJM*			
PJM Dominion Hub Solar	ACPXA00	72.42	99.75
PJM Dominion Hub Wind	ACPIX00	75.25	91.60
PJM Northern Illinois Hub Solar	ACPIZ00	59.08	86.36
PJM Northern Illinois Hub Wind	ACPIW00	57.07	68.39
PJM Western Hub Solar	ACPIY00	71.58	104.16
PJM Western Hub Wind	ACPIV00	75.02	93.69
SPP			
SPP North Hub Wind	ACPIO00	17.58	24.69
SPP South Hub Wind	ACPIP00	70.92	70.31

*Data is lagged 1 day, PJM data is lagged 4 days

Source: S&P Global Platts

US MISO fundamentals, prices bearish despite low temperatures

- Northeast capture price direction split
- ERCOT capture prices rise on low renewable supply

Renewable capture prices in the US for Nov. 19 continued to diverge across various regions on Nov. 21 as temperature and generation trends varied.

MISO

In the Midcontinent Independent System Operator, the average daily temperature reached seasonal lows on Nov. 18-19, breaking into the low 20s Fahrenheit. Demand declined, however, as reduced activity from the weekend came into the picture.

Peakload demand fell 4.88%, or 4.28 GW, according to ISO data. Overall supply followed suit, declining by 3.81%, or 74.58 GW, but wind generation increased 2.06%.

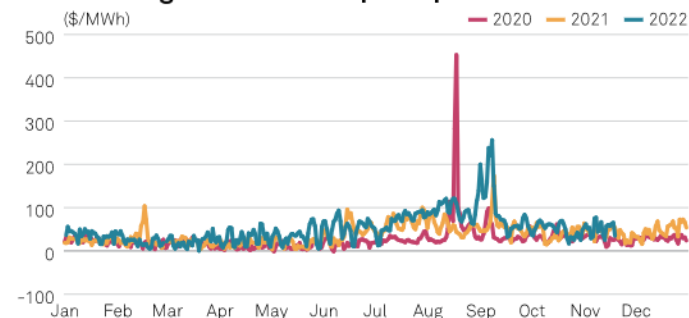
Renewable capture prices reacted to market fundamentals, which were bearish in spite of colder weather. The solar capture price fell about \$15.75 in the Louisiana Hub, and the wind price was down about \$8.50 in the Indiana Hub.

Northeast

In the Northeastern US, New England and New York capture prices went their separate ways on Nov. 19 as renewable share in the electricity mix also varied. ISONE Internal Hub solar and wind capture prices rose 17.59% and 13.79%, respectively, on the day, while wind fell more than 25% in the NYISO West Zone.

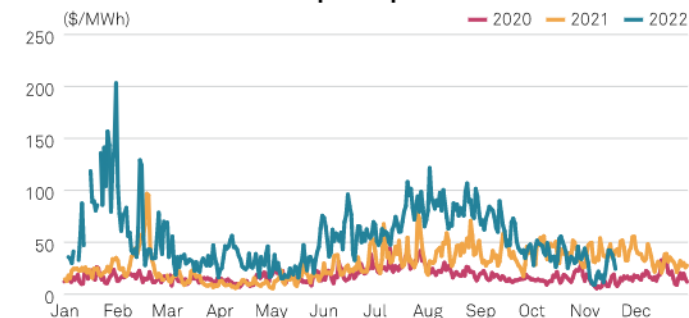
Temperatures were similar in both ISOs, averaging 34.9 F, according to CustomWeather, and peakload demand decreased roughly 3.80% in both regions. However, according to the Platts Renewable Penetration Index, NYISO wind penetration was slightly higher, reaching 6.61% during on-peak hours and 9.23% during off-peak, while NEISO wind penetration was lower

CAISO SP15 gen hub solar capture price



Source: S&P Global Commodity Insights

NYISO west zone wind capture price



Source: S&P Global Commodity Insights

at only 0.96% and 2.87% during on-peak and off-peak hours, respectively.

Texas

Renewable Capture Prices were higher in most Texas locations, as wind and solar average hourly generation fell by 36.3% and 55.9%, respectively, on the day, according to Electric

Reliability Council of Texas data. Renewable wind penetration plunged by 7.58 and 13.18 percentage points to reach 13.81% and 15.23% of the electricity mix during on-peak and off-peak hours, respectively.

Platts is part of S&P Global Commodity Insights

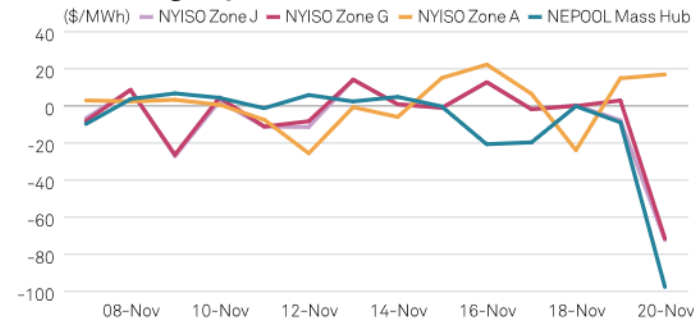
— Nicole Baquerizo

Northeast Power Markets

Northeast day ahead power prices (\$/MWh)

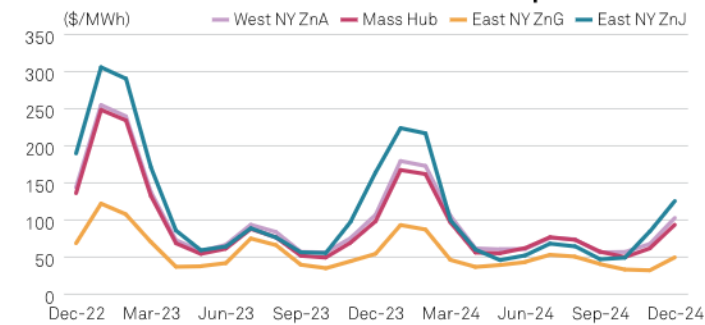
Hub/Index	Symbol	22-Nov	Marginal heat rate	Spark spread		Price change		Prior 7-day Average	Month Min	Month Max	Yearly change			
				@7K	@12K	Chg	% Chg				Nov-22	Nov-21	Chg	% Chg
On-Peak														
ISONE Internal Hub	IINIM00	116.87	10826	41.30	-12.67	-44.57	-27.6	94.48	32.53	161.44	63.33	59.35	3.98	6.7
ISONE NE Mass-Boston	IINN00	117.44	10879	41.87	-12.10	-44.99	-27.7	94.90	32.75	162.43	63.71	60.38	3.33	5.5
ISONE Connecticut	IINC00	114.98	12059	48.24	0.56	-44.31	-27.8	92.98	31.72	159.29	62.26	57.24	5.02	8.8
NYISO Zone G	INYHM00	109.11	11443	42.36	5.31	8.64	-1.3	85.10	29.96	117.75	59.96	59.78	0.18	0.3
NYISO Zone J	INYNM00	110.83	15969	62.25	27.55	-9.25	-7.7	85.94	30.12	120.08	60.67	61.42	-0.75	-1.2
NYISO Zone A	INYWM00	47.05	7589	3.65	-27.35	21.14	81.6	36.25	11.40	47.42	29.87	47.74	-17.87	-37.4
NYISO Zone F	INYCM00	159.28	22950	110.70	76.00	-35.12	-18.1	124.22	43.38	194.40	83.90	64.44	19.46	30.2
Off-Peak														
ISONE Internal Hub	IINIP00	131.65	12196	56.09	2.12	-8.03	-5.7	79.91	15.70	139.68	52.31	51.37	0.94	1.8
ISONE NE Mass-Boston	IINNP00	131.57	12188	56.00	2.03	-7.42	-5.3	79.92	15.71	138.99	52.39	52.49	-0.10	-0.2
ISONE Connecticut	IINCP00	128.78	13506	62.03	14.36	-8.92	-6.5	78.33	15.52	137.70	51.22	49.04	2.18	4.4
NYISO Zone G	INYHP00	100.60	10551	33.86	-13.82	1.09	1.1	66.70	19.86	100.60	45.91	47.46	-1.55	-3.3
NYISO NYC Zone	INYNP00	102.24	14732	53.66	18.96	0.79	0.8	67.32	19.94	102.24	46.31	48.45	-2.14	-4.4
NYISO West Zone	INYWP00	28.82	4648	-14.58	-45.59	7.25	33.6	25.12	5.18	34.63	19.76	31.99	-12.23	-38.2
NYISO Capital Zone	INYCP00	160.64	23147	112.06	77.36	-3.96	-2.4	101.06	33.00	164.60	67.73	53.82	13.91	25.8

Northeast avg. day-ahead/real-time peak price spread



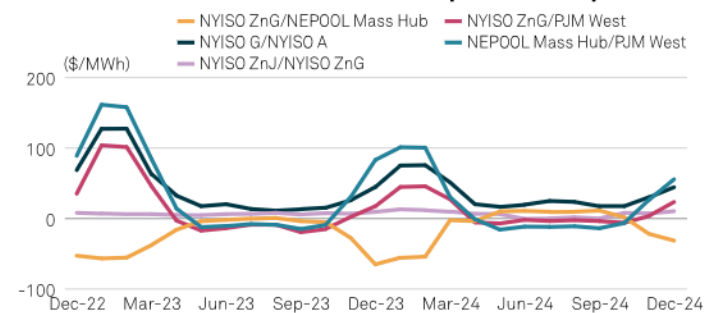
Source: S&P Global Commodity Insights, NYISO, ISONE

Northeast Platts M2MS forward curve: on-peak



Source: S&P Global Commodity Insights

Northeast Platts M2MS locational spreads: on-peak



Source: S&P Global Commodity Insights

ISO New England power dailies remain steady; New York prices varied

Mass Hub on-peak for Nov. 22 delivery inched up about 25 cents Nov. 21 from the previous settlement on the Intercontinental Exchange around \$126.25/MWh, remaining at a near-four-month high.

Cooler weather kept prices elevated, as high temperatures in Boston trended in the mid-40s F, and lows in the 30s F, according to US National Weather Service.

Peakload demand, on the other hand, was forecast to slip 2.8% Nov. 21 on the day to 16.11 GW, ISO data showed.

New York prices mixed

New York Independent System Operator Zone G Hudson Valley on-peak fell about \$8.75 around \$109/MWh, while Zone J NYC was down about \$9.25 around \$111/MWh.

Conversely, the off-peak contracts both rose about \$1 to \$100.50/MWh for Zone G and \$102.25/MWh for Zone J.

Looking at the demand, NYISO estimated its Nov. 22 peakload demand to decline 4% to 19.27 GW, compared with the Nov. 21 projection.

High temperatures in New York were expected to rise slightly to the mid-40s degrees Fahrenheit Nov. 22 before increasing to the lower 50s F later in the week, weather service data showed.

Winter futures continue to rise

Power forwards trended up, as Mass Hub December on-peak rose about \$23.75 to \$189/MWh, while the December 2023 on-peak was up about \$14.50 around \$159/MWh.

The January-February 2023 contract surged nearly \$37 to \$298/MWh, the highest price since mid-October, Platts data showed.

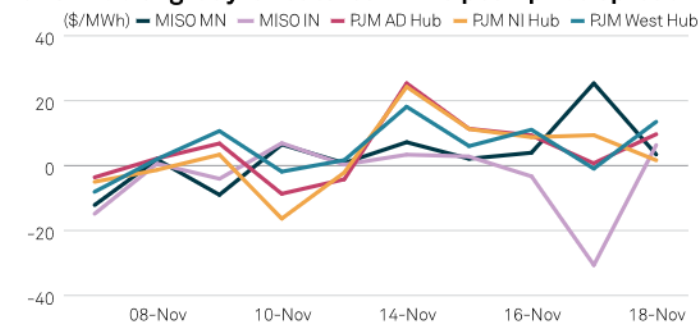
— Daryna Kotenko

PJM/MISO Power Markets

PJM/MISO day ahead power prices (\$/MWh)

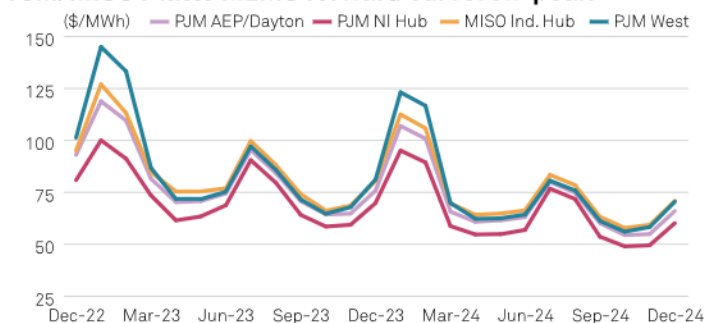
Hub/Index	Symbol	22-Nov	Marginal heat rate	Spark spread		Price change		Prior 7-day Average	Month Min	Month Max	Yearly Change			
				@7K	@12K	Chg	% Chg				Nov-22	Nov-21	Chg	% Chg
On-Peak														
PJM AEP Dayton Hub	IPADM00	61.56	9890	17.99	-13.13	-10.14	-14.1	72.87	32.11	93.14	57.90	64.41	-6.51	-10.1
PJM Dominion Hub	IPDM00	65.94	9413	16.90	-18.12	-14.72	-18.2	81.67	38.14	103.39	65.53	71.85	-6.32	-8.8
PJM Eastern Hub	IPEHM00	63.50	9520	16.81	-16.54	-21.59	-25.4	70.26	19.95	85.09	49.76	52.39	-2.63	-5.0
PJM Northern Illinois Hub	IPNIM00	55.75	9020	12.49	-18.42	2.63	4.5	58.61	25.95	87.14	50.13	52.15	2.02	3.9
PJM Western Hub	IPWHM00	65.43	9809	18.74	-14.61	-11.10	-14.5	79.98	31.73	102.92	60.25	69.45	-9.20	-13.2
MISO Indiana Hub	IMIDM00	67.68	10951	24.42	-6.48	-16.04	-19.2	76.75	44.45	93.29	63.29	70.43	-7.14	-10.1
MISO Minnesota Hub	IMINM00	46.08	7331	2.08	-29.35	-11.76	-20.3	47.57	21.32	69.42	39.46	51.56	-12.10	-23.5
Off-Peak														
PJM AEP Dayton Hub	IPADP00	65.89	10585	22.32	-8.81	-3.41	-4.9	63.15	19.88	78.15	45.17	53.99	-8.82	-16.3
PJM Dominion Hub	IPDMP00	75.01	10708	25.97	-9.05	-10.20	-12.0	73.35	22.36	94.80	51.47	62.37	-10.90	-17.5
PJM Eastern Hub	IPEHP00	73.39	11003	26.70	-8.65	-13.05	-15.1	63.10	7.78	86.44	39.29	49.13	-9.84	-20.0
PJM Northern Illinois Hub	IPNIP00	58.34	9440	15.08	-15.82	17.64	43.3	47.40	12.81	74.32	36.25	38.36	-2.11	-5.5
PJM Western Hub	IPWHP00	73.02	10948	26.33	-7.02	-3.14	-4.1	68.85	19.74	76.16	46.92	57.59	-10.67	-18.5
MISO Indiana Hub	IMIDP00	59.26	9589	16.00	-14.90	5.12	8.0	64.23	28.63	72.36	47.18	58.65	-11.47	19.6
MISO Minnesota Hub	IMINP00	35.77	5691	-8.23	-39.65	16.37	84.4	24.95	3.67	51.42	21.83	37.49	-15.66	-41.8

PJM/MISO avg. day-ahead/real-time peak price spread



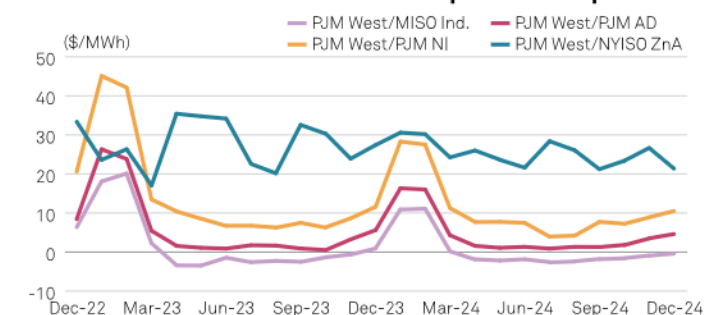
Source: S&P Global Commodity Insights, PJM, MISO

PJM/MISO Platts M2MS forward curve: on-peak



Source: S&P Global Commodity Insights

PJM/MISO Platts M2MS locational spreads: on-peak



Source: S&P Global Commodity Insights

US PJM, MISO power tumbles on temperature warmup, demand response

High temperatures for major demand centers in the PJM Interconnection trended closer to weekly normals and were forecast to trend above normal through the end of the week holiday period. In turn, power saw double-digit downturns on the Intercontinental Exchange during Nov. 21 trading for Nov. 22 delivery

PJM West Hub day-ahead on-peak fell about \$17.50 to price around \$68.75/MWh, and its off-peak contract slid near \$14 to \$67/MWh. The real-time peak contract also saw lower activity, falling almost \$17.75 to about \$68.25, and the real-time off-peak contract declined \$13.25 to \$67.50/MWh.

AEP Dayton Hub day-ahead on-peak tumbled around \$13.50 to \$64/MWh.

Pittsburgh highs trended 2 degrees below normal to 47 Fahrenheit, and Cincinnati highs were 3 degrees lower to 50 F Nov. 22. Highs for both cities would trend above average through Nov. 25, with Pittsburgh in the low to mid 50s F, and Cincinnati in the high 50s and low 60s F, according to CustomWeather.

In response to the temperature warmup, PJM anticipated a 2.3% departure from Nov. 21 peakload to 106.7 GW Nov. 22.

MISO down on temperatures

As temperatures in the Midcontinent Independent System Operator were also affected by a warming trend, Indiana Hub day-ahead on-peak fell around \$9.50 on ICE to price near \$72.50/MWh for Nov. 22 delivery.

MISO peakload demand would drop 2.1% on the day to 84.6 GW as Indianapolis highs rose 2 degrees above average to 51 F Nov. 22, CustomWeather showed.

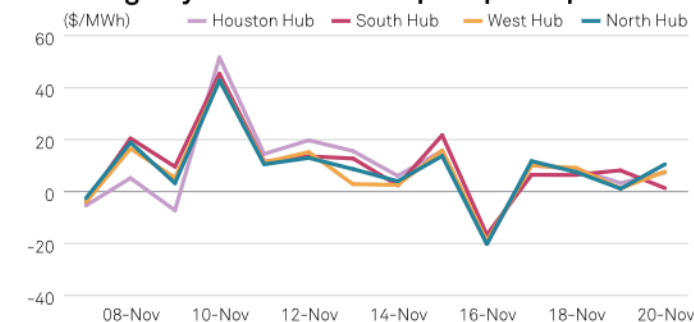
— Karen Rivera

Southeast Power Markets

Southeast & Central day-ahead power prices (\$/MWh)

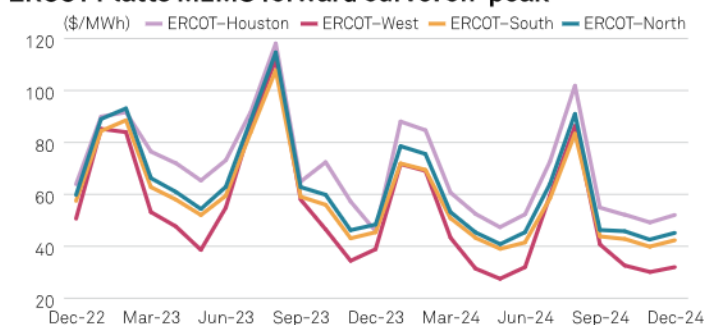
Hub/Index	Symbol	22-Nov	Marginal heat rate	Spark spread		Price change		Prior 7-day Average	Month Min	Month Max	Yearly change			
				@7K	@12K	Chg	% Chg				Nov-22	Nov-21	Chg	% Chg
On-Peak														
MISO Texas Hub	IMTXM00	60.15	10204	18.89	-10.59	-2.01	-3.2	63.80	40.99	75.73	56.40	54.94	1.46	2.7
MISO Louisiana	IMLAM00	61.12	9748	17.23	-14.12	-2.32	-3.7	67.00	43.94	78.27	59.77	53.51	6.26	11.7
SPP North Hub	ISNOM00	53.66	8537	9.66	-21.77	-28.48	-34.7	57.77	9.54	82.14	38.05	37.48	0.57	1.5
SPP South Hub	ISSOM00	65.27	10942	23.51	-6.31	-17.72	-21.4	79.01	31.97	100.76	58.72	46.91	11.81	25.2
ERCOT Houston Hub	IERHM00	46.80	8914	10.05	-16.20	-17.57	-27.3	64.16	22.21	102.23	53.36	47.58	5.78	12.1
ERCOT North Hub	IERNM00	48.07	8154	6.80	-22.67	-17.53	-26.7	64.75	21.00	90.00	49.42	45.69	3.73	8.2
ERCOT South Hub	IERSM00	45.39	7826	4.79	-24.21	-14.71	-24.5	58.45	24.00	95.00	48.76	43.91	4.85	11.0
ERCOT West Hub	IERWM00	50.42	10226	15.91	-8.75	-17.08	-25.3	66.91	1.12	93.62	42.83	40.01	2.82	7.0
Off-Peak														
MISO Texas Hub	IMTXP00	53.77	9122	12.51	-16.96	2.70	5.3	56.44	26.87	62.55	43.36	43.27	0.09	0.2
MISO Louisiana	IMLAP00	54.13	8633	10.24	-21.11	0.04	0.1	57.41	26.74	63.51	45.24	43.45	1.79	4.1
SPP North Hub	ISNOP00	21.88	3482	-22.11	-53.52	-0.45	-2.0	28.27	-9.76	74.45	20.75	17.12	3.63	21.2
SPP South Hub	ISSOP00	46.07	7724	4.32	-25.50	-3.13	-6.4	61.03	-4.33	75.70	36.73	25.76	10.97	42.6
ERCOT Houston Hub	IERHP00	36.82	7013	0.07	-26.18	-11.54	-23.9	48.16	10.07	53.12	34.16	28.92	5.24	18.1
ERCOT North Hub	IERNP00	37.19	6308	-4.08	-33.56	-11.17	-23.1	48.55	9.20	55.57	32.53	27.99	4.54	16.2
ERCOT South Hub	IERSP00	36.78	6341	-3.82	-32.82	-9.82	-21.1	44.77	11.05	51.05	32.41	26.92	5.49	20.4
ERCOT West Hub	IERWP00	41.38	8392	6.86	-17.79	-9.93	-19.4	52.08	-1.79	61.77	30.37	24.89	5.48	22.0

ERCOT avg. day-ahead/real-time peak price spread



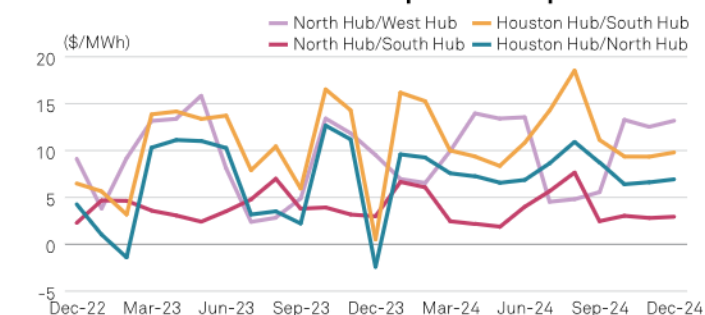
Source: S&P Global Commodity Insights, ERCOT

ERCOT Platts M2MS forward curve: on-peak



Source: S&P Global Commodity Insights

ERCOT Platts M2MS locational spreads: on-peak



Source: S&P Global Commodity Insights

US ERCOT power edges down on temperatures, falling demand for week

As Dallas high temperatures trended closer to weekly normal, ERCOT North Hub prices saw declines on the Intercontinental Exchange during Nov. 21 trading for Nov. 22 delivery.

The day-ahead on-peak contract slid some \$8.50 on the day to price at \$53.75/MWh, and the real-time peak contract saw an almost \$9 drop to trade about \$53/MWh.

In the natural gas market, however, prices trended bullish as Houston Ship channel rose 23 cents on ICE to \$5.25/MMBtu, and Transco Zone 3 inched 9 cents up at \$6.34/MMBtu for Nov. 22 flows.

Demand down for week

Temperatures have returned closer to weekly averages, and the grid operator forecast a 2.5% decline in day-ahead peakload demand from Nov. 21 to 50.8 GW Nov. 22. Declines in demand would continue for the week and into the holiday period, with end of the workweek demand down to 43.5 GW Nov. 25.

Dallas high Nov. 22 temperatures would trend 3 degrees down from the weekly average to 63 Fahrenheit, with Nov. 23 highs even closer to normal, only one degree down to 65 F, according to CustomWeather.

Average wind production would also help lower prices, with a day-on-day jump of 15.8% to 8.3 GWh. Average solar production saw gains, up 24.4% from day-before levels to 2.4 GWh, and peak generation surged 19.5% to 7.6 GWh for hour ending 3 pm CT Nov. 22, the highest levels of solar supply in the ERCOT five-day forecast.

Forward contracts

North Hub January-February 2023 on-peak winter forward strip was valued about \$5.50 higher on the day to price about \$89.75/MWh, and the corresponding 2X16 strip saw a \$4.75 upturn to \$70/MWh.

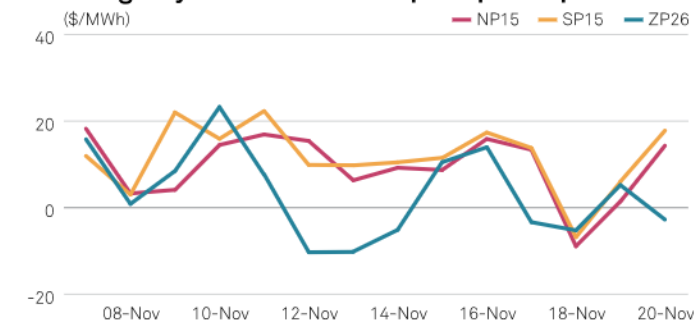
— Karen Rivera

West Power Markets

Western day-ahead power prices (\$/MWh)

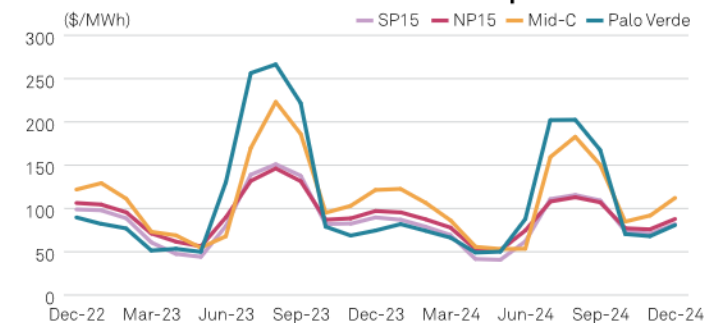
Hub/Index	Symbol	22-Nov	Marginal heat rate	Spark spread		Price change		Prior 7-day Average	Month Min	Month Max	Yearly change			
				@7K	@12K	Chg	% Chg				Nov-22	Nov-21	Chg	% Chg
On-Peak														
NP15	ICNGM00	91.34	9282	22.46	-26.75	-8.27	-8.3	94.65	70.12	103.66	87.10	60.61	26.49	43.7
SP15	ICSGM00	85.79	9618	23.35	-21.25	-5.74	-6.3	79.87	51.40	91.53	75.28	57.30	17.98	31.4
ZP26	ICZGM00	84.78	9505	22.34	-22.25	-6.97	-7.6	78.80	49.81	94.35	74.96	55.45	19.51	35.2
Off-Peak														
NP15	ICNGP00	90.00	9146	21.12	-28.08	-4.54	-4.8	91.55	69.33	98.17	84.73	55.33	29.40	53.1
SP15	ICSGP00	87.62	9823	25.18	-19.42	-3.53	-3.9	87.53	68.28	93.80	81.99	54.45	27.54	50.6
ZP26	ICZGP00	88.41	9912	25.97	-18.62	-4.01	-4.3	88.85	69.77	95.07	83.01	53.93	29.08	53.9

CAISO avg. day-ahead/real-time peak price spread



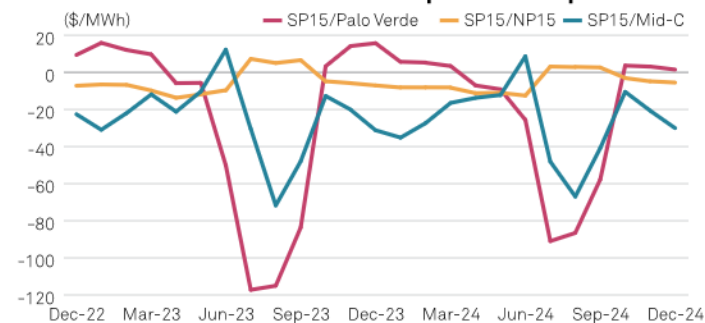
Source: S&P Global Commodity Insights, CAISO

Western Platts M2MS forward curve: on-peak



Source: S&P Global Commodity Insights

Western Platts M2MS locational spreads: on-peak



Source: S&P Global Commodity Insights

US West power dailies continue to vary as natural gas prices rally

Mid-C on-peak for Nov. 22-23 delivery fell about \$6.75 from its previous Platts index on Nov. 21, trading around \$82.50/MWh on the Intercontinental Exchange, while the off-peak contract for the same delivery decreased about \$2.80 to trade near \$83.25/MWh.

Seattle and Portland were forecast to see mostly rainy weather Nov. 22-23, with high temperatures trending in the 50s F and lows in the 40s F, US National Weather Service data showed.

The Southwest power prices were more mixed Nov. 21, as Palo Verde on-peak declined about \$3.25 to price near \$67.50/MWh, while off-peak rose about \$9.25 near \$73.75/MWh.

CAISO prices, demand rise

The California Independent System Operator SP15 day-ahead on-peak rose on the day, up about \$1.50 to price near \$87.50/MWh.

CAISO peakload demand for Nov. 22 was estimated to increase about 2.2% from its Nov. 21 forecast to 27.66 GW, supporting prices. Nov. 23 peakload demand was expected to further rise 0.3% to 28.36 GW, according to ISO data.

In Sacramento and Los Angeles, high temperatures were expected to remain steady in the mid-60s and mid-70s F over the next couple of days, weather service data showed.

In the forwards market, SP15 December day-ahead on-peak also traded higher, jumping almost \$8 day on day to about \$99/MWh.

Natural gas prices rally

Western natural gas prices surged on ICE, as the Northwest Canadian Border Sumas price rose almost \$2 on the day to \$8.87/MMBtu.

SoCal city-gates and PG&E city-gates increased similarly to trade at \$9.47/MMBtu and \$9.84/MMBtu respectively, for Nov. 22 flows.

Platts is part of S&P Global Commodity Insights.

— Daryna Kotenko

Bilaterals

Southeast & Central day-ahead bilateral indexes (\$/MWh)

Hub/Index	Symbol	22-Nov	Marginal heat rate	Spark spread		Price change		Prior 7-day Average	Month Min	Month Max	Yearly change			
				@7K	@12K	Chg	% Chg				Nov-22	Nov-21	Chg	% Chg
On-Peak														
Florida	AAMAV20	74.25	11776	30.11	-1.41	-10.00	-11.9	79.82	44.25	101.25	67.48	58.31	9.17	15.7
GTC, Into	WAMCJ20	71.75	11353	27.51	-4.09	-10.00	-12.2	77.57	42.00	99.00	65.02	57.49	7.53	13.1
Southern, Into	AAMBJ20	70.25	11116	26.01	-5.59	-9.92	-12.4	75.67	40.25	97.00	63.61	55.63	7.98	14.3
TVA, Into	WEBAB20	70.75	11617	28.12	2.33	-10.00	12.4	74.64	42.50	96.25	63.35	59.20	4.15	7.0
VACAR	AAMCI20	69.75	9957	20.71	-14.31	-11.75	-14.4	75.64	40.25	94.75	63.48	61.30	2.18	3.6
Off-Peak														
Florida	AAMAO20	73.75	11697	29.61	-1.91	-5.00	-6.3	80.96	32.25	114.75	53.22	51.43	1.79	3.5
GTC, Into	WAMCC20	72.50	11472	28.26	-3.34	-5.00	-6.5	79.79	31.00	114.00	52.16	50.23	1.93	3.8
Southern, Into	AAMBC20	71.50	11313	27.26	-4.34	-5.00	-6.5	78.68	30.25	112.00	51.02	49.10	1.92	3.9
TVA, Into	AAJER20	62.25	10222	19.62	-10.83	-5.00	-7.4	72.82	30.50	102.75	48.31	47.52	0.79	1.7
VACAR	AAMCB20	70.50	10064	21.46	-13.56	-6.50	-8.4	77.75	30.25	103.75	49.90	52.71	-2.81	-5.3

Western day-ahead bilateral indexes (\$/MWh)

Hub/Index	Symbol	23-Nov	Marginal heat rate	Spark spread		Price change		Prior 7-day Average	Month Min	Month Max	Yearly change			
				@7K	@12K	Chg	% Chg				Nov-22	Nov-21	Chg	% Chg
On-Peak														
Mid-C	WEABF20	81.50	9204	19.52	-24.76	-7.61	-8.5	93.09	46.05	107.40	85.07	47.96	37.11	77.4
John Day	WEAHF20	83.50	9430	21.52	-22.76	7.50	-8.2	95.11	48.00	109.50	87.09	49.96	37.13	74.3
COB	WEABE20	82.50	9121	19.18	-26.04	-6.50	-7.3	93.14	49.00	107.50	85.01	49.49	35.52	71.8
NOB	WEAIF20	78.50	8865	16.51	-27.76	-7.50	-8.7	88.89	47.25	108.50	83.94	49.74	34.20	68.8
Palo Verde	WEACC20	66.38	7010	0.09	-47.25	-4.12	-5.8	71.40	44.75	82.00	65.05	47.18	17.87	37.9
Mona	AARLQ20	76.50	8678	14.79	-29.28	-7.50	-8.9	87.74	55.00	97.00	80.36	50.43	29.93	59.3
Four Corners	WEABI20	73.00	11283	27.71	-4.64	-6.00	-7.6	81.36	45.00	95.00	71.58	50.17	21.41	42.7
Pinnacle Peak	WEAKF20	69.50	7339	3.21	-44.14	-4.00	-5.4	74.68	41.00	85.50	65.94	49.24	16.70	33.9
Westwing	WEAIF20	72.50	7656	6.21	41.14	4.00	-5.2	81.29	40.75	99.25	71.75	49.06	22.69	46.2
MEAD	AAMBW20	73.43	7754	7.14	-40.21	-1.57	-2.1	77.30	50.00	88.38	71.00	52.21	18.79	36.0
Off-Peak														
Mid-C	WEACL20	82.00	9260	20.01	24.26	4.00	-4.7	90.67	54.84	98.85	80.91	40.85	40.06	98.1
John Day	WEAHL20	83.75	9458	21.77	-22.51	-4.00	-4.6	92.43	56.50	100.50	82.65	42.60	40.05	94.0
COB	WEACJ20	80.50	8900	17.19	-28.04	-2.50	-3.0	87.96	57.00	99.00	77.85	42.23	35.63	84.4
NOB	WEAIL20	78.25	8837	16.27	-28.01	-4.00	-4.9	87.64	55.75	99.50	80.28	40.65	39.63	97.5
Palo Verde	WEACT20	73.75	7788	7.46	-39.89	9.25	14.3	75.89	59.50	87.75	70.25	44.23	26.02	58.8
Mona	AARLQ20	77.00	8735	15.29	-28.78	4.00	5.5	83.43	56.50	93.00	75.15	43.93	31.22	71.1
Four Corners	WEACR20	77.75	12017	32.46	0.11	8.75	12.7	76.82	50.00	87.75	69.86	45.29	24.57	54.2
Pinnacle Peak	WEAKL20	69.00	7286	2.71	44.64	9.25	15.5	71.14	54.25	83.00	65.33	48.40	16.93	35.0
Westwing	WEAHL20	80.00	8448	13.71	-33.64	9.25	13.1	74.11	54.00	82.75	67.03	46.44	20.59	44.3
MEAD	AAMBQ20	76.00	8025	9.71	-37.64	8.75	13.0	78.75	60.00	91.00	73.47	47.34	26.13	55.2

Note: Western indices reflect Nov. 22 23 delivery.

Platts M2MS Balance-of-the-month, NOV 21, (\$/MWh)

	Symbol	On-peak	Symbol	Off-peak		Symbol	On-peak	Symbol	Off-peak
Northeast					Southeast & Central				
Mass Hub	EMHTB00	84.44	EMHUB00	59.00	Southern Into	ESTTB00	49.60	ESTUB00	44.73
N.Y. Zone G	ENGTB00	81.60	ENGUB00	48.00	ERCOT North	ETNTB00	46.85	ETNUB00	40.01
N.Y. Zone J	ENJTB00	86.60	ENJUB00	51.10	ERCOT Houston	ETSTB00	52.30	ETSUB00	45.01
N.Y. Zone A	ENATB00	45.64	ENaub00	26.00	ERCOT West	ETWTB00	37.66	ETWUB00	35.01
Ontario*	EONTB00	51.63	EONUB00	41.50	ERCOT South	ETHTB00	45.05	ETHUB00	39.01
*Ontario prices are in Canadian dollars					Western				
PJM & MISO					Mid-C	EMCTB00	85.05	EMCUB00	73.05
PJM West	EPJTB00	61.64	EPJUB00	46.00	Palo Verde	EPVTB00	60.10	EPVUB00	60.10
AD Hub	EECTB00	58.48	EECUB00	44.30	Mead	EMDTB00	63.29	EMDUB00	63.20
NI Hub	ECETB00	55.28	ECEUB00	39.30	NP15	ENPTB00	82.10	ENPUB00	76.75
Indiana Hub	ECITB00	55.56	ECIUB00	45.84	SP15	ESPTB00	74.05	ES PUB00	72.05

Hourly Indices

System-wide renewable generation curtailments (MW)

	Symbol	20-Nov	19-Nov
Cal ISO Solar			
Local			
On-peak	CALSP00	477.54	519.26
Off-peak	CALSO00	0.00	0.00
System			
On-peak	CASSP00	0.17	0.00
Off-peak	CASSO00	0.00	0.00
Cal ISO Wind			
Local			
On-peak	CALWP00	1.23	16.50
Off-peak	CALWO00	1.23	1.93
System			
On-peak	CASWP00	0.00	0.90
Off-peak	CASWO00	0.00	0.39
SPP Wind			
On-peak	SPPWP00	14525.54	8151.33
Off-peak	SPPWO00	8858.49	4793.15

Curtailment by hour (MW), Nov 20

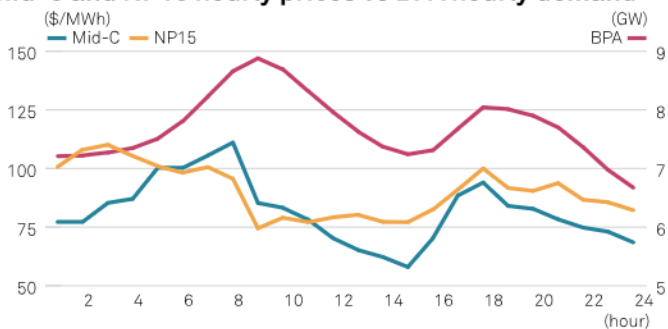
Hour	Cal ISO Solar		Cal ISO Wind		SPP Wind
	Local	System	Local	System	
1	0.00	0.00	0.00	0.00	90.93
2	0.00	0.00	0.00	0.00	339.45
3	0.00	0.00	0.00	0.00	632.95
4	0.00	0.00	0.00	0.00	820.70
5	0.00	0.00	0.00	0.00	910.01
6	0.00	0.00	0.00	0.00	883.12
7	0.00	0.08	0.00	0.00	899.49
8	1.58	0.00	0.00	0.00	1003.42
9	1.14	0.00	0.00	0.00	1164.63
10	36.94	0.00	0.23	0.00	363.83
11	32.54	0.00	0.22	0.00	121.45
12	54.90	0.00	0.17	0.00	452.54
13	71.69	0.00	0.23	0.00	899.64
14	152.41	0.00	0.19	0.00	899.10
15	126.34	0.00	0.19	0.00	825.36
16	0.00	0.00	0.00	0.00	526.55
17	0.00	0.09	0.00	0.00	83.29
18	0.00	0.00	0.00	0.00	289.44
19	0.00	0.00	0.00	0.00	1042.20
20	0.00	0.00	0.00	0.00	1593.47
21	0.00	0.00	0.00	0.00	2025.92
22	0.00	0.00	0.00	0.00	2335.21
23	0.00	0.00	0.00	0.00	2595.53
24	0.00	0.00	0.00	0.00	2585.80

Mid-C hourly bilateral indexes (\$/MWh)

	Symbol	20-Nov	Range	Deals	Volume (MW)
On-peak	MCRTP00	80.47	57.75-110.75	36	2898
Off-peak	MCRTO00	83.34	68.25-100.00	13	1275

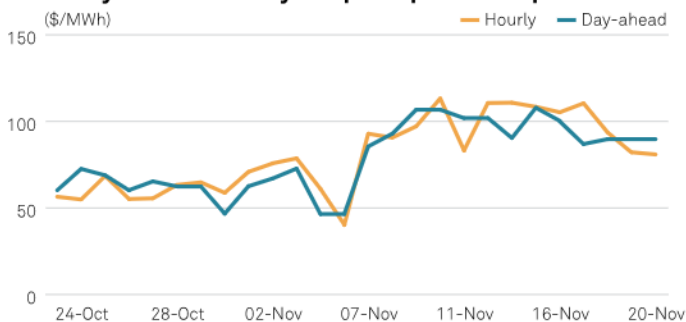
Hour	Symbol	20-Nov	Range	Deals	Volume (MW)	Nov-22 ending
1	MCRTH01	77.00	77.00-77.00	1	20	74.26
2	MCRTH02	77.00	77.00-77.00	1	30	74.03
3	MCRTH03	85.00	85.00-85.00	1	100	76.81
4	MCRTH04	86.75	85.00-90.00	2	150	76.39
5	MCRTH05	100.00	100.00-100.00	1	75	83.48
6	MCRTH06	100.00	100.00-100.00	1	75	94.65
7	MCRTH07	105.25	105.25-105.25	4	178	100.40
8	MCRTH08	110.75	110.75-110.75	4	287	100.11
9	MCRTH09	85.00	85.00-85.00	1	25	92.53
10	MCRTH10	83.00	78.00-90.00	3	275	87.73
11	MCRTH11	78.00	78.00-78.00	1	50	82.31
12	MCRTH12	70.00	70.00-70.00	1	29	79.76
13	MCRTH13	65.00	65.00-65.00	1	50	77.03
14	MCRTH14	62.00	55.00-65.00	2	71	76.36
15	MCRTH15	57.75	55.00-65.00	2	188	78.06
16	MCRTH16	70.00	70.00-70.00	1	100	82.25
17	MCRTH17	88.25	80.00-90.00	2	300	94.73
18	MCRTH18	93.75	90.00-110.00	3	270	101.10
19	MCRTH19	83.75	80.00-100.00	3	275	101.11
20	MCRTH20	82.50	80.00-100.00	3	250	99.13
21	MCRTH21	78.00	70.00-80.00	5	385	90.33
22	MCRTH22	74.50	65.00-90.00	8	630	82.45
23	MCRTH23	72.75	70.00-75.00	3	325	81.21
24	MCRTH24	68.25	60.00-75.00	5	550	77.03

Mid-C and NP15 hourly prices vs BPA hourly demand



Source: S&P Global Commodity Insights, BPA, CAISO

Mid-C day-ahead/hourly on-peak price comparison



Source: S&P Global Commodity Insights

Renewable Penetration, Solar

Penetration Indices, Solar (%)

	Symbol	20-Nov	19-Nov
Cal ISO			
On-peak	RPCSP00	16.15	15.41
Off-peak	RPCS000	0.00	0.00
SPP			
On-peak	RPSSP00	0.17	0.08
Off-peak	RPSS000	0.00	0.00
ERCOT			
On-peak	RPESP00	3.24	1.72
Off-peak	RPES000	0.00	0.00
MISO			
On-peak	RP MSP00	1.56	1.33
Off-peak	RPMS000	0.81	0.84
PJM			
On-peak	RPPSP00	1.08	1.23
Off-peak	RPPS000	0.00	0.00
NYISO			
On-peak	RPNSP00	1.94	2.11
Off-peak	RPNS000	2.00	2.00
ISO New England			
On-peak	RPISP00	1.19	1.42
Off-peak	RPIS000	0.03	0.00

Hourly Penetration, Solar (%), Nov 20

Hour	Symbol	Cal ISO	Symbol	SPP	Symbol	ERCOT	Symbol	MISO	Symbol	PJM	Symbol	NYISO	Symbol	ISONE
1	RPCSC01	0.00	RPSSC01	0.00	RPESC01	0.00	RPMSC01	0.81	RPPSC01	0.00	RPNSC01	2.01	RPISC01	0.01
2	RPCSC02	0.00	RPSSC02	0.00	RPESC02	0.00	RPMSC02	0.83	RPPSC02	0.00	RPNSC02	2.03	RPISC02	0.01
3	RPCSC03	0.00	RPSSC03	0.00	RPESC03	0.00	RPMSC03	0.82	RPPSC03	0.00	RPNSC03	2.04	RPISC03	0.01
4	RPCSC04	0.00	RPSSC04	0.00	RPESC04	0.00	RPMSC04	0.83	RPPSC04	0.00	RPNSC04	2.03	RPISC04	0.01
5	RPCSC05	0.00	RPSSC05	0.00	RPESC05	0.00	RPMSC05	0.82	RPPSC05	0.00	RPNSC05	2.05	RPISC05	0.01
6	RPCSC06	0.00	RPSSC06	0.00	RPESC06	0.00	RPMSC06	0.80	RPPSC06	0.00	RPNSC06	2.04	RPISC06	0.01
7	RPCSC07	0.90	RPSSC07	0.00	RPESC07	0.00	RPMSC07	0.78	RPPSC07	0.00	RPNSC07	2.00	RPISC07	0.02
8	RPCSC08	14.98	RPSSC08	0.00	RPESC08	0.77	RPMSC08	0.79	RPPSC08	0.05	RPNSC08	1.94	RPISC08	0.40
9	RPCSC09	28.42	RPSSC09	0.01	RPESC09	4.05	RPMSC09	1.19	RPPSC09	0.95	RPNSC09	2.07	RPISC09	1.78
10	RPCSC10	31.50	RPSSC10	0.10	RPESC10	6.36	RPMSC10	1.93	RPPSC10	2.17	RPNSC10	2.26	RPISC10	2.76
11	RPCSC11	31.48	RPSSC11	0.27	RPESC11	6.72	RPMSC11	2.33	RPPSC11	2.61	RPNSC11	2.31	RPISC11	3.28
12	RPCSC12	31.34	RPSSC12	0.35	RPESC12	7.23	RPMSC12	2.44	RPPSC12	2.70	RPNSC12	2.25	RPISC12	3.11
13	RPCSC13	31.65	RPSSC13	0.33	RPESC13	7.69	RPMSC13	2.45	RPPSC13	2.53	RPNSC13	2.27	RPISC13	2.77
14	RPCSC14	31.49	RPSSC14	0.31	RPESC14	6.86	RPMSC14	2.54	RPPSC14	2.39	RPNSC14	2.25	RPISC14	2.58
15	RPCSC15	30.89	RPSSC15	0.32	RPESC15	5.81	RPMSC15	2.55	RPPSC15	2.22	RPNSC15	2.07	RPISC15	1.59
16	RPCSC16	22.21	RPSSC16	0.34	RPESC16	4.10	RPMSC16	2.38	RPPSC16	1.38	RPNSC16	1.89	RPISC16	0.39
17	RPCSC17	3.47	RPSSC17	0.34	RPESC17	1.97	RPMSC17	1.71	RPPSC17	0.29	RPNSC17	1.69	RPISC17	0.08
18	RPCSC18	0.00	RPSSC18	0.27	RPESC18	0.22	RPMSC18	0.91	RPPSC18	0.00	RPNSC18	1.56	RPISC18	0.06
19	RPCSC19	0.00	RPSSC19	0.05	RPESC19	0.00	RPMSC19	0.72	RPPSC19	0.00	RPNSC19	1.55	RPISC19	0.06
20	RPCSC20	0.00	RPSSC20	0.00	RPESC20	0.00	RPMSC20	0.73	RPPSC20	0.00	RPNSC20	1.60	RPISC20	0.06
21	RPCSC21	0.00	RPSSC21	0.00	RPESC21	0.00	RPMSC21	0.75	RPPSC21	0.00	RPNSC21	1.69	RPISC21	0.06
22	RPCSC22	0.00	RPSSC22	0.00	RPESC22	0.00	RPMSC22	0.75	RPPSC22	0.00	RPNSC22	1.69	RPISC22	0.07
23	RPCSC23	0.00	RPSSC23	0.00	RPESC23	0.00	RPMSC23	0.77	RPPSC23	0.00	RPNSC23	1.83	RPISC23	0.07
24	RPCSC24	0.00	RPSSC24	0.00	RPESC24	0.00	RPMSC24	0.80	RPPSC24	0.00	RPNSC24	1.93	RPISC24	0.07

Renewable Penetration, Wind

Penetration Indices, Wind (%)

	Symbol	20-Nov	19-Nov
Cal ISO			
On-peak	RPCWP00	3.45	4.50
Off-peak	RPCW000	3.24	6.68
SPP			
On-peak	RPSWP00	29.51	24.05
Off-peak	RPSW000	25.73	24.25
ERCOT			
On-peak	RPEWP00	12.05	13.81
Off-peak	RPEW000	13.23	15.23
MISO			
On-peak	RPMWP00	22.93	23.74
Off-peak	RPMW000	22.08	23.60
PJM			
On-peak	RPPWP00	5.45	8.19
Off-peak	RPPW000	6.95	7.20
NYISO			
On-peak	RPNWP00	7.66	6.61
Off-peak	RPNW000	7.03	9.23
ISO New England			
On-peak	RPIWP00	7.75	0.96
Off-peak	RPIW000	4.02	2.87

Hourly Penetration, Wind (%), Nov 20

Hour	Symbol	Cal ISO	Symbol	SPP	Symbol	ERCOT	Symbol	MISO	Symbol	PJM	Symbol	NYISO	Symbol	ISONE
1	RPCWC01	2.34	RPSWC01	19.00	RPEWC01	10.85	RPMWC01	17.60	RPPWC01	8.20	RPNWC01	7.30	RPIWC01	1.43
2	RPCWC02	1.89	RPSWC02	22.49	RPEWC02	11.39	RPMWC02	19.17	RPPWC02	7.61	RPNWC02	7.49	RPIWC02	1.49
3	RPCWC03	2.06	RPSWC03	24.42	RPEWC03	11.83	RPMWC03	20.26	RPPWC03	6.66	RPNWC03	7.83	RPIWC03	1.27
4	RPCWC04	2.74	RPSWC04	25.00	RPEWC04	11.53	RPMWC04	21.88	RPPWC04	5.94	RPNWC04	8.25	RPIWC04	1.49
5	RPCWC05	3.31	RPSWC05	26.06	RPEWC05	11.37	RPMWC05	22.65	RPPWC05	5.63	RPNWC05	8.65	RPIWC05	2.31
6	RPCWC06	3.77	RPSWC06	26.84	RPEWC06	10.52	RPMWC06	22.61	RPPWC06	5.40	RPNWC06	8.43	RPIWC06	3.14
7	RPCWC07	4.63	RPSWC07	27.41	RPEWC07	9.88	RPMWC07	22.36	RPPWC07	5.17	RPNWC07	10.01	RPIWC07	3.36
8	RPCWC08	3.85	RPSWC08	27.98	RPEWC08	9.94	RPMWC08	21.93	RPPWC08	4.63	RPNWC08	9.49	RPIWC08	4.04
9	RPCWC09	3.79	RPSWC09	28.47	RPEWC09	9.79	RPMWC09	22.32	RPPWC09	4.48	RPNWC09	9.23	RPIWC09	4.49
10	RPCWC10	3.58	RPSWC10	30.59	RPEWC10	9.10	RPMWC10	22.53	RPPWC10	4.00	RPNWC10	9.71	RPIWC10	6.04
11	RPCWC11	3.48	RPSWC11	29.45	RPEWC11	10.92	RPMWC11	22.00	RPPWC11	3.98	RPNWC11	10.71	RPIWC11	7.72
12	RPCWC12	3.61	RPSWC12	27.60	RPEWC12	12.34	RPMWC12	21.77	RPPWC12	4.27	RPNWC12	10.28	RPIWC12	9.18
13	RPCWC13	3.74	RPSWC13	27.58	RPEWC13	11.37	RPMWC13	21.46	RPPWC13	4.71	RPNWC13	10.91	RPIWC13	9.54
14	RPCWC14	3.23	RPSWC14	29.39	RPEWC14	11.21	RPMWC14	22.10	RPPWC14	5.55	RPNWC14	10.14	RPIWC14	9.80
15	RPCWC15	2.71	RPSWC15	30.68	RPEWC15	10.80	RPMWC15	22.71	RPPWC15	5.67	RPNWC15	8.33	RPIWC15	9.56
16	RPCWC16	2.22	RPSWC16	32.40	RPEWC16	10.82	RPMWC16	23.38	RPPWC16	5.80	RPNWC16	7.56	RPIWC16	8.95
17	RPCWC17	2.23	RPSWC17	34.14	RPEWC17	10.80	RPMWC17	23.67	RPPWC17	6.49	RPNWC17	5.49	RPIWC17	8.30
18	RPCWC18	2.46	RPSWC18	32.17	RPEWC18	11.26	RPMWC18	22.75	RPPWC18	5.82	RPNWC18	4.80	RPIWC18	7.87
19	RPCWC19	2.94	RPSWC19	28.41	RPEWC19	13.74	RPMWC19	23.17	RPPWC19	5.96	RPNWC19	4.44	RPIWC19	8.20
20	RPCWC20	3.75	RPSWC20	28.08	RPEWC20	16.42	RPMWC20	24.04	RPPWC20	6.43	RPNWC20	4.05	RPIWC20	8.53
21	RPCWC21	4.32	RPSWC21	28.47	RPEWC21	16.97	RPMWC21	25.02	RPPWC21	6.72	RPNWC21	3.64	RPIWC21	8.73
22	RPCWC22	4.66	RPSWC22	29.36	RPEWC22	17.39	RPMWC22	25.73	RPPWC22	7.55	RPNWC22	3.69	RPIWC22	9.72
23	RPCWC23	4.84	RPSWC23	30.06	RPEWC23	18.29	RPMWC23	26.10	RPPWC23	7.85	RPNWC23	4.18	RPIWC23	10.22
24	RPCWC24	4.95	RPSWC24	31.95	RPEWC24	20.06	RPMWC24	26.37	RPPWC24	8.34	RPNWC24	4.11	RPIWC24	10.78

Platts M2MS Forward Curve, Nov 21 (\$/MWh)

Prompt month: Dec 22

	On-peak	Off-peak
Northeast		
Mass Hub	189.00	167.60
N.Y. Zone G	135.50	120.35
N.Y. Zone J	142.80	121.20
N.Y. Zone A	67.75	54.60
Ontario*	56.19	40.70
*Ontario prices are in Canadian dollars		
PJM & MISO		
PJM West	101.00	89.00
AD Hub	92.70	82.55
NI Hub	80.55	70.50
Indiana Hub	94.80	83.95

Southeast & Central

Southern Into	81.68	81.01
ERCOT North	59.50	47.55
ERCOT Houston	63.70	48.89
ERCOT West	50.45	42.60
ERCOT South	57.30	46.86

Western

Mid-C	121.00	98.00
Palo Verde	89.05	83.70
Mead	93.60	88.10
NP15	105.65	101.65
SP15	98.10	95.55

ISO Day-Ahead LMP Breakdown for Nov 22 (\$/MWh)

Hub/Zone	Average	Cong	Loss	Change	Avg \$/Mo	Marginal heat rate
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Northeast

On-peak						
ISONE Internal Hub	116.87	0.02	0.02	-44.57	63.33	10826
ISONE Connecticut	114.98	-0.06	-1.78	-44.31	62.26	12059
ISONE NE Mass-Boston	117.44	0.02	0.60	-44.99	63.71	10879
NYISO Capital Zone	159.28	-123.25	1.58	-35.12	83.90	22950
NYISO Hudson Valley Zone	109.11	-71.99	2.68	-8.64	59.96	11443
NYISO N.Y.C. Zone	110.83	-73.44	2.94	-9.25	60.67	15969
NYISO West Zone	47.05	-11.04	1.56	21.14	29.87	7589

Off-Peak

ISONE Internal Hub	131.65	0.04	0.90	-8.03	52.31	12196
ISONE Connecticut	128.78	0.04	-1.97	-8.92	51.22	13506
ISONE NE Mass-Boston	131.57	0.04	0.81	-7.42	52.39	12188
NYISO Capital Zone	160.64	-145.27	0.66	-3.96	67.73	23147
NYISO Hudson Valley Zone	100.60	-84.85	1.05	1.09	45.91	10551
NYISO N.Y.C. Zone	102.24	-86.55	0.97	0.79	46.31	14732
NYISO West Zone	28.82	-13.01	1.09	7.25	19.76	4648

PJM & MISO

On-peak						
PJM AEP-Dayton Hub	61.56	0.66	-2.00	-10.14	57.90	9890
PJM Dominion Hub	65.94	1.94	1.09	-14.72	65.53	9413
PJM Eastern Hub	63.50	-4.20	4.79	-21.59	49.76	9520
PJM Northern Illinois Hub	55.75	-1.54	-5.62	-2.63	50.13	9020
PJM Western Hub	65.43	1.43	1.09	-11.10	60.25	9809
MISO Indiana Hub	67.68	5.92	2.76	-16.04	63.29	10951
MISO Minnesota Hub	46.08	-8.54	-4.39	-11.76	39.46	7331
MISO Louisiana Hub	61.12	2.07	0.04	-2.32	59.77	9748
MISO Texas Hub	60.15	1.75	-0.60	-2.01	56.40	10204

Off-Peak

PJM AEP-Dayton Hub	65.89	0.38	-3.48	-3.41	45.17	10585
PJM Dominion Hub	75.01	3.40	2.62	-10.20	51.47	10708
PJM Eastern Hub	73.39	-2.26	6.66	-13.05	39.29	11003
PJM Northern Illinois Hub	58.34	-1.68	-8.98	17.64	36.25	9440
PJM Western Hub	73.02	1.12	2.90	-3.14	46.92	10948
MISO Indiana Hub	59.26	4.24	2.63	-5.12	47.18	9589
MISO Minnesota Hub	35.77	-12.31	-4.32	16.37	21.83	5691
MISO Louisiana Hub	54.13	2.43	-0.70	0.04	45.24	8633
MISO Texas Hub	53.77	2.50	-1.13	2.70	43.36	9122

Southeast & Central

On-peak						
SPP North Hub	53.66	-3.65	-2.09	-28.48	38.05	8537
SPP South Hub	65.27	4.29	1.57	-17.72	58.72	10942
ERCOT Houston Hub	46.80	—	—	-17.57	53.36	8914
ERCOT North Hub	48.07	—	—	-17.53	49.42	8154
ERCOT South Hub	45.39	—	—	-14.71	48.76	7826
ERCOT West Hub	50.42	—	—	-17.08	42.83	10226

Off-Peak

SPP North Hub	21.88	-8.74	-2.14	-0.45	20.75	3482
SPP South Hub	46.07	12.65	0.67	-3.13	36.73	7724
ERCOT Houston Hub	36.82	—	—	-11.54	34.16	7013
ERCOT North Hub	37.19	—	—	-11.17	32.53	6308
ERCOT South Hub	36.78	—	—	-9.82	32.41	6341
ERCOT West Hub	41.38	—	—	-9.93	30.37	8392

Western

On-peak						
CAISO NP15 Gen Hub	91.34	1.59	-1.04	-8.27	87.10	9282
CAISO SP15 Gen Hub	85.79	-0.89	-4.10	-5.74	75.28	9618
CAISO ZP26 Gen Hub	84.78	-1.32	-4.68	-6.97	74.96	9505

Off-Peak

CAISO NP15 Gen Hub	90.00	0.00	-1.07	-4.54	84.73	9146
CAISO SP15 Gen Hub	87.62	-0.16	-3.29	-3.53	81.99	9823
CAISO ZP26 Gen Hub	88.41	0.00	-2.65	-4.01	83.01	9912

Weekend bilateral indexes for Nov 19-20 (\$/MWh)

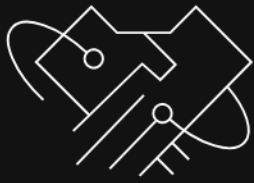
	Saturday Index	Sunday Index
Southeast On-peak		
VACAR	79.75	79.75
Southern, into	80.00	80.00
GTC, into	78.00	78.00
Florida	82.25	82.25
TVA, into	78.75	78.75
Southeast Off-Peak*		
VACAR	77.00	77.00
Southern, into	76.50	76.50
GTC, into	77.50	77.50
Florida	78.75	78.75
TVA, into	67.25	67.25
West On-peak**		
Mid-C	89.38	83.00
John Day	91.50	85.00
COB	89.00	83.00
NOB	80.00	80.00
Palo Verde	63.13	60.00
Westwing	70.00	64.00
Pinnacle Peak	66.00	63.00
Mead	68.00	55.50
Mona	85.00	73.50
Four Corners	77.00	68.50
West Off-Peak**		
Mid-C	88.15	89.00
John Day	90.00	90.75
COB	85.25	83.00
NOB	84.50	84.50
Palo Verde	73.00	69.00
Westwing	68.00	70.75
Pinnacle Peak	68.25	59.75
Mead	78.75	67.25
Mona	85.00	72.50
Four Corners	75.00	69.50

*Southeast off-peak prices are for a Saturday-Monday package.

**West Saturday prices are for a Friday-Saturday package and Sunday prices are for Sunday only.

Weekly bilateral indexes for week ending Nov 19 (\$/MWh)

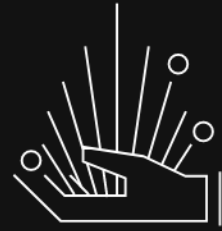
	Index	Change	Low	High
Southeast On-peak				
VACAR	80.50	32.69	53.25	94.75
Southern, into	80.65	32.46	56.25	97.00
GTC, into	82.85	33.91	57.00	99.00
Florida	84.95	33.26	59.75	101.25
TVA, into	79.25	31.25	53.50	96.25
Southeast Off-Peak				
VACAR	59.86	27.36	35.25	103.75
Southern, into	61.96	28.32	37.50	112.00
GTC, into	62.96	28.03	38.25	114.00
Florida	64.14	28.28	39.50	114.75
TVA, into	59.64	26.14	36.50	102.75
West On-peak				
Mid-C	93.75	-5.14	86.00	109.00
John Day	95.79	-5.13	88.50	109.50
COB	93.83	-3.67	86.50	107.50
NOB	89.38	-10.58	80.00	108.50
Palo Verde	71.56	2.95	62.00	82.00
Westwing	82.08	1.37	70.00	99.25
Pinnacle Peak	74.88	5.05	66.00	85.50
Mead	77.68	1.68	68.00	88.50
Mona	88.36	-1.47	80.00	98.00
Four Corners	81.75	6.25	75.50	95.00
West Off-Peak				
Mid-C	90.15	5.82	83.00	102.00
John Day	91.93	5.86	86.00	100.50
COB	87.11	8.86	80.00	99.00
NOB	88.50	3.11	84.50	99.50
Palo Verde	75.32	4.96	62.50	87.75
Westwing	70.32	5.18	57.50	82.75
Pinnacle Peak	70.57	5.18	57.75	83.00
Mead	78.11	0.47	65.00	91.00
Mona	83.29	4.72	72.50	93.00
Four Corners	76.39	4.60	67.50	87.75



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Held annually since 1999, the Platts Global Energy Awards is committed to recognizing companies that have faced difficult challenges and realized unique opportunities.

The energy industry is often tested, yet remains connected in facing adversity together, charging forward to a greener tomorrow.

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Attend the awards gala on December 8 to celebrate and network with the best of the best in the industry.



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Welcome to the weekly newsletter of the Michigan Energy Innovation Business Council (Michigan EIBC), the business voice for advanced energy in Michigan. Here's what's new this week:



Happy Thanksgiving From Michigan EIBC!

We hope you have a wonderful Thanksgiving. Thank you for your involvement in Michigan EIBC!



Michigan Energy News

- Michigan EIBC member CPower [partners](#) with Consumers Energy to deliver demand response services.
 - The \$30 million DTE electric rate increase ordered by the Michigan Public Service Commission (MPSC) on Nov. 18 is the [smallest](#) for the company in at least a decade.
 - The U.S. Department of Energy [rejects](#) the application from Holtec International to reopen the Palisades nuclear plant in western Michigan with federal funds.
 - The state-established [Michigan Green Schools](#) program launches a new online portal to make it easier for schools and local governments to access the program and its educational materials about ecological practices and environmental stewardship.
 - The Michigan Advisory Council on Environmental Justice, an advisory body with members appointed by the Michigan Department of Environment, Great Lakes and Energy (EGLE), has seats open for [statewide nominations](#), with applications due by Dec. 19.
-



National Energy News

- The U.S. Department of Energy opens the first round of applications for the Grid Resilience and Innovation Partnership (GRIP) [competitive grant](#) programs.
- Domino's Pizza begins to roll out 800 [electric delivery vehicles](#) around the country.
- Caterpillar successfully demonstrates its battery electric [large mining truck](#).
- The city of Tampa, Fla., is piloting the use of [solar panels embedded in sidewalks](#) where they can act as a hurricane-resistant source of backup power for traffic intersections.

Job Board

Attention Michigan EIBC members: if you have a job announcement you would like in the newsletter, please send a paragraph describing the position and a link to apply to Matt Bandyk at matt@mieibc.org. Please include in the email a specific end date for the job posting.

Form Energy

[Director, State Affairs. Location: Somerville, Mass., Berkeley, Calif., Washington, D.C., or Remote](#)

As Director of State Affairs, you will play a leadership role in building and guiding a team of state

policy advocates to transform state and regional electric markets and enable Form Energy's goals. The team you direct will secure incentives, procurement programs, electricity market designs, and other supportive policies for multi-day storage that will enable Form Energy to deploy multiple gigawatts of our iron-air batteries before 2030. Your team will lead efforts to weave multi-day storage into all aspects of state electric resource planning and decarbonization goals.

Form Energy

[Policy Manager, Eastern Region. Location: Remote](#)

The Policy Manager, Eastern Region will drive policy advocacy efforts across eastern states to advance Form's goals and transform state and regional electric markets. You will collaborate with policy team leadership alongside outside partners to develop and execute state specific advocacy plans that successfully influence regulatory and legislative outcomes and advance Form's goals. You will be responsible for securing incentives, procurement programs, and changes to market design in priority states to develop markets for multi-day energy storage.

Madison Energy Investments

[Finance Analyst — Renewable Energy. Location: Vienna, Va., or New York City](#)

Madison Energy Investments is a high-growth, PE-backed renewable energy company with investments in Solar, Battery and Electric Vehicle infrastructure. Madison is seeking a full-time Finance Analyst to work on our renewable energy investments. Candidates should have a passion for systematically managing cash flows of a business, general knowledge of accounting principles and ability to work cross functionally with team members in Sales, Accounting and Operations.

Michigan and National Energy Events

Michigan EIBC member Centropolis Accelerator at Lawrence Technological University is holding the "Manu-Tech Pitch Competition 2022: Catalyzing Sustainability in Domestic Manufacturing" at the Mint in Lathrup Village on **Dec. 7**. This event is a forum for manufacturers, tech companies and investors to share the latest advancements in manufacturing and industry 4.0 technologies as well as share what is needed for domestic manufacturing to remain globally competitive.

[Register for free here.](#)

The MPSC is holding [an energy assistance fair](#) in Melvindale on **Dec. 15** (rescheduled from Nov.

17 due to weather conditions).

Opportunities

The U.S. Department of Energy intends to issue a [Funding Opportunity Announcement](#) that supports the implementation of Section 40541 of the Infrastructure Investment and Jobs Act, which provides \$500 million for grants for energy improvements at public school facilities. Applications close **Nov. 28**.

Consumers Energy will host a pre-release conference call for its Solar Generation RFP on **Nov. 8**. [Register for that call here](#), and find additional details about this RFP, planned for release on **Dec. 8**, [here](#).

The Michigan Advisory Council on Environmental Justice (MAC-EJ), whose members appointed by Michigan EGLE, advises the state on environmental issues. The state government is currently seeking [statewide nominations](#) for new members of MAC-EJ, with applications due by **Dec. 19**.

The U.S. Department of Energy has issued a [Notice of Intent](#) announcing \$550 million for community-based clean energy projects through the Energy Efficiency and Conservation Block Grant (EECBG) Program, Section 40552(b) of the Infrastructure Investment and Jobs Act (IIJA) of 2021. Applications will open in **January 2023**.

The Lansing Board of Water & Light (BWL) is soliciting an all-source Request for Proposal (RFP) seeking competitive proposals to supply up to 475 MW firm capacity to meet customer loads into the future and to meet the planning reserve requirements of the Mid-Continent Independent System Operator (MISO). RFP offers are due on **Jan. 13, 2023**. [Registration to participate in this RFP is here](#).

The Michigan Economic Development Corporation's PlanetM Testing Grant gives mobility companies the opportunity to access testing facilities around the state, including Mcity at the University of Michigan. [Apply here](#).

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[After abortion, sex education may be Michigan's next cultural battleground](#)

Bridge Magazine - 09/10/2022

By Robin Erb and Isabel Lohman

Lotus Lloyd vividly recalls his introduction to sex education.

[Abortion campaign ramps up after Michigan ballot issue clears last hurdle](#)

Bridge Magazine - 09/10/2022

By Yue Stella Yu

LANSING — Campaigns about an abortion ballot issue are kicking into high gear now that the proposal is on the Nov. 8 general election ballot.

[Gretchen Whitmer: Federal grant could keep open Palisades nuclear plant](#)

Bridge Magazine - 09/10/2022

By Lauren Gibbons

Owners of the Palisades nuclear power plant are seeking a federal grant to keep the facility operational, Gov. Gretchen Whitmer announced Friday.

Toxic underground Ann Arbor site eyed by EPA for Superfund status

Detroit News - 09/10/2022

By Carol Thompson

U.S. Environmental Protection Agency monitoring teams will visit the epicenter of a toxic underground plume in Ann Arbor and nearby communities at the end of this month to determine whether the contaminated area should be declared a Superfund site.

Appeals court rejects Michigan GOP suit over Whitmer big-dollar recall fundraising

Detroit News - 09/10/2022

By Craig Mauger

Lansing — The U.S. Court of Appeals rejected Friday the Michigan Republican Party's lawsuit challenging Democratic Gov. Gretchen Whitmer's campaign fundraising strategy that allowed her to temporarily collect unlimited amounts of money from individual donors.

MSU trustees delay vote on vendor political activities resolution

Detroit News - 09/10/2022

By Kayla Ruble

Michigan State University trustees have delayed a vote on a controversial resolution that would have sought to curb some political activities of the university's vendors tied to voter identification or what advocates called "voter suppression" efforts.

Convicted Whitmer kidnap plotter who cooperated wants out of prison. Now.

Detroit Free Press - 09/10/2022

By Tresa Baldas

Convicted kidnap plotter Ty Garbin wants out of prison now, arguing he has paid his dues for conspiring to harm Gov. Gretchen Whitmer and deserves his freedom for helping the government salvage one of the biggest domestic terrorism cases in U.S. history.

Michigan elections panel places abortion, voting rights proposals on ballot

Detroit Free Press - 09/10/2022

By Clara Hendrickson

Michigan's elections panel voted unanimously Friday to place voting and abortion rights proposals on the November ballot following court orders directing canvassers to certify the two constitutional amendments for a statewide vote after deadlocking along partisan lines just over a week ago.

Opinion: Tumbling test scores in Michigan schools demand extreme urgency

Detroit Free Press - 09/10/2022

By Nancy Kaffer

This is not debatable: Repairing the damage caused by years of pandemic-disrupted learning will require Michigan voters and their elected representatives to dedicate funding to the effort, and sustain it for at least the next decade.

Michigan abortion amendment: Supporters, opponents react to court ruling

Detroit Free Press - 09/10/2022

By Dave Boucher

The Michigan Supreme Court's 5-2 decision that ultimately paves the way to voters choosing whether to amend the state Constitution so that it explicitly protects the right to an abortion elicited strong reactions from supporters and opponents of abortion rights.

Oxford shooting survivor: Leaders have failed to stop school shootings. It's up to us.

Detroit Free Press - 09/10/2022

By Zoe Touray

Nov. 30, 2021, is the day every student's nightmare became my reality. Permanently carved into my brain is the memory of arriving at American Sign Language class with my friends, uncharacteristically on time, when we heard that noise — pops like balloons — coming from the hallway. We covered behind our wooden desks, quivering as we struggled for a plan to reach safety. Every one of our hearts pounded with complete and utter terror.

Michigan's connection to Queen Elizabeth II: Lamprey pie

Lansing City Pulse - 09/10/2022

By Doug Tamru

FRIDAY, Sept. 9 — An odd tradition – sea lamprey pie – linking the Great Lakes to Great Britain's Royals and is expected to continue with the crowning of King Charles III.

Yellen Highlights Biden Economic Policy in Visit to Michigan*

Wall Street Journal - 09/10/2022

By Amara Omeokwe

DEARBORN, Mich.—Treasury Secretary Janet Yellen said that the Biden administration's agenda is spurring economic investment and opportunity across a wider distribution of communities in the U.S. during a visit to Michigan, her first stop on a tour to highlight administration policies ahead of the midterm elections.

Michigan Supreme Court Orders Abortion-Rights Proposal Be Included on November Ballot*

Wall Street Journal - 09/10/2022

By Laura Kusisto

Michigan voters will decide in November whether to enshrine abortion rights in their state's

constitution, after the Michigan Supreme Court ruled Thursday that an abortion-access initiative must be included on the ballot.

From typography to tumult: Michigan as battleground over democracy*

The Washington Post - 09/10/2022

By Philip Bumb

Whether Michigan women can obtain an abortion legally came down to an unexpected question: Does a space count as text? In this sentence, for example, are the spaces part of the text, or not?

Whitmer Signs Directive To Raise Taxes On Hard Working Michiganders And Make Inflation Worse

Michigan Republican Party - 09/09/2022

LANSING, MICH – Following Joe Biden’s lead, Gretchen Whitmer, the Vice-Chairwoman of the Democrat National Committee, [today signed an executive order to speed up the Inflation Reduction Act](#), which the [CBO’s projections](#) depict would cost the working class upwards of 20 billion dollars in new taxes.

VOTERS MUST SAY NO TO EXTREME ABORTION AMENDMENT

Citizens to Support MI Women and Children - 09/09/2022

The Supreme Court gave the green light today to adding 60 new mistakes to the constitution if voters approve, ordering the Board of State Canvassers to certify the mistake-ridden Anything Goes Abortion Amendment for the ballot.

Michigan doctors commend Supreme Court decision sending Reproductive Freedom for All proposal to ballot

Committee to Protect Health Care - 09/09/2022

LANSING — Physicians across Michigan today praised the decision by the Michigan Supreme Court to rightfully put the Reproductive Freedom for All proposal on the November ballot. If passed, the proposal will restore the protections of *Roe v. Wade* in Michigan. In response to the decision, **Dr. Timothy Johnson, a specialist in high risk obstetrics in Ann Arbor**, released the following statement:

MDP Statement on Supreme Court Decision to put 'Reproductive Freedom for All' on the November Ballot

Michigan Democratic Party - 09/09/2022

The Michigan Democratic Party released the following statement on behalf of **Chair Lavora Barnes** regarding the decision by the State Supreme Court to allow the Reproductive Freedom for All initiative to appear on the November ballot.

MISC Makes the Right Choice on Ballot Proposals

Progress Michigan - 09/09/2022

MICHIGAN - On Thursday, the Michigan Supreme Court ruled that ballot proposals that would codify reproductive freedom and expand voting rights will appear on the November ballot. This decision comes after Republican members of the Board of State Canvassers attempted to block the proposals from reaching the ballot, sparking significant controversy.

Sam Singh Applauds Advocates, Reminds Voters Choice is Up and Down the Ballot

Sam Singh for State Senate - 09/09/2022

EAST LANSING, Mich. — Former Michigan House Democratic Leader Sam Singh, who is running for State Senate in District 28, today issued the following statement in response to the Michigan Supreme Court's decision to ensure a proposed constitutional amendment establishing an individual right to reproductive freedom will be on the ballot this November:

MDP Statement on Supreme Court Decision to Allow 'Promote the Vote' to Appear on the

November Ballot

Michigan Democratic Party - 09/09/2022

The Michigan Democratic Party released the following statement on behalf of **Chair Lavora Barnes** regarding the decision by the State Supreme Court to allow the Promote the Vote 2022 ballot initiative to appear on the ballot this November.

MI Supreme Court places Promote the Vote 2022 on Nov. 8 general election ballot

Promote the Vote 2022 - 09/09/2022

LANSING, Mich. – [Promote the Vote 2022](#) released the following statement today after the Michigan Supreme Court ordered the Board of State Canvassers to place the initiative on the Nov. 8 general election ballot.

Attorney General Nessel Issues Statement on MSC Sending Proposals to Ballot

Attorney General Dana Nessel - 09/09/2022

LANSING – Michigan Attorney General Dana Nessel issued the following statement after the Michigan Supreme Court's ruled to include proposals from Reproductive Freedom for All and Promote the Vote on the ballot:

State Sen. Rosemary Bayer Responds to the Michigan Supreme Court ruling to certify the Reproductive Rights for All Ballot Initiative

Rosemary Bayer for State Senate - 09/09/2022

Keego Harbor, Mich. – State Sen. Rosemary Bayer, who is running for re-election in Michigan Senate District 13, today issued the following statement in response to the Michigan Supreme Court certifying a ballot initiative to add abortion rights to the state constitution:

State Rep. Kevin Hertel Responds to the Michigan Supreme Court ruling to certify the Reproductive Rights for All Ballot Initiative

Kevin Hertel for State Senate - 09/09/2022

St. Clair Shores, Mich. – State Rep. Kevin Hertel, who is running for election in Michigan Senate District 12, today issued the following statement in response to the Michigan Supreme Court certifying a ballot initiative to add abortion rights to the state constitution:

MIGOP Slams State Supreme Court for Allowing Error Ridden Initiatives on November Ballot

Michigan Republican Party - 09/09/2022

LANSING, MICH - The Michigan Republican Party released the following statement after the state Supreme Court ruled to allow dangerous election and pro-abortion initiatives on the November ballot, despite being riddled with errors:

BREAKING: MSU SIDES WITH DEMOCRATS AGAINST VOTER ID AT THE POLLS

Michigan Republican Party - 09/09/2022

LANSING, MICH — Students recently received a note from the publicly funded university taking sides on a partisan issue. The Michigan Republican Party issued a statement following a resolution expected to be taken up by Michigan State University's board of trustees:

Report Release -(391-0702-17F) Follow-up report on the Oversight and Encounter Claim Integrity of the Comprehensive Health Care Program, MDHHS

Office of the Auditor General - 09/09/2022

Report Title: Follow-up report on the Oversight and Encounter Claim Integrity of the Comprehensive Health Care Program, Michigan Department of Health and Human Services

Preliminary Survey Summary Release - (791-0241-22) Preliminary survey summary of the Fruit and Vegetable Inspection Program, MDARD

Office of the Auditor General - 09/09/2022

Report Title: Preliminary survey summary of the Fruit and Vegetable Inspection Program, Michigan Department of Agriculture and Rural Development

New TriMedia CEO to energize organic growth for company

TriMedia - 09/09/2022

MARQUETTE, Mich. (September 8, 2022) - Marquette-based TriMedia Environmental & Engineering welcomes back former employee Bob Lehto as a new majority shareholder and the company's new CEO. Current President Tom Anthos will remain in place during the leadership transition and continue leading daily operations.

Rep. McClain's Patient Advocate Tracker Act Passes the U.S. Senate

U.S. Rep. Lisa McClain - 09/09/2022

WASHINGTON, D.C. – Today, the U.S. Senate passed Congresswoman Lisa McClain's (R-MI) bill, H.R. 5754, the Patient Advocate Tracker Act. This bipartisan bill would create an online portal where veterans can track the status of formal complaints that they file through the Department of Veterans Affairs (VA).

Recent Court of Appeals Opinion Releases - 9/8/2022

Michigan Court of Appeals - 09/09/2022

The Michigan Court of Appeals released the following opinion(s) on 9/8/2022.

Recent Supreme Court Order Releases - 9/8/2022

Michigan Supreme Court - 09/09/2022

The Michigan Supreme Court issued the following order(s) on 9/8/2022.

New Alliance Helps Protect and Educate Plumbers, Pipefitters and HVAC Service Techs from Workplace Hazards

Department of Labor and Economic Opportunity - 09/09/2022

SOUTHFIELD, MICH. — The Michigan Occupational Safety and Health Administration (MIOSHA) and the Mechanical Contractors Association of Detroit (MCA Detroit) formed an alliance today to help more workers in the mechanical construction and service industry to foster safer, more healthful workplaces.

RFFA Amendment will be on the Ballot

Right to Life of Michigan - 09/09/2022

Yesterday evening, the Michigan Supreme Court voted 5-2 to overturn the Board of Canvassers vote. This means that the anything-goes RFFA abortion amendment will be on the November ballot.

Wayne County, Oakland County, and Detroit City Council Pass Resolutions Supporting “Buy Michigan” Legislation

Moment Strategies - 09/09/2022

The Detroit City Council, Wayne County Commission and Oakland County Commission are urging state legislators to support Michigan’s businesses by approving HB 4902 and SB 117. As Michigan’s economy continues to recover from the Covid-19 pandemic and the impact of inflation, it is more important than ever that we create an environment that allows Michigan businesses to thrive. The bipartisan and bicameral legislation, introduced in February 2021 by Senate Minority Leader Jim Ananich (D-Flint) and Chair of the House Judiciary Committee State Representative Graham Filler (R-Dewitt), is intended to help more Michigan headquartered businesses successfully procure contracts with the State of Michigan.

Auto insurance industry’s claim that Andary case will impact auto insurance rates is completely baseless

CPAN - 09/09/2022

LANSING, Mich.—(Sept. 9, 2022)— In response to news that a major auto insurance decision will be appealed to the Michigan Supreme Court, **Devin Hutchings**—the president of **CPAN**—today released the following statement.

Today 'Marks The Next Step For Voting Reform' in Michigan Following Placement of Promote the Vote 2022 on the Ballot

Common Cause Michigan - 09/09/2022

LANSING, Mich. — Yesterday, the Michigan Supreme Court ruled in favor of allowing Promote the Vote 2022 (of which Common Cause Michigan is a supporter) on the upcoming general election ballot.

Moolenaar Introduces Resolution To Protect Educational Freedom of Students and Families

U.S. Rep. John Moolenaar - 09/09/2022

Today, Congressman John Moolenaar introduced a resolution to protect school choice and educational freedom for students and families. The resolution would invalidate the Biden administration's July 6, 2022 charter school rule, which burdens charter schools with onerous new rules and regulations in order to receive funding. Examples of the new requirements include making charter schools co-develop curriculums with public schools and share enrollment information with their public counterparts. The Biden administration's new rule goes into effect this week. Moolenaar's resolution would repeal the rule using the Congressional Review Act, a 1996 law that allows Congress to overturn executive branch regulations.

Michigan voters to decide fundamental voting rights through Proposal 2 on November ballot

Promote the Vote 2022 - 09/09/2022

LANSING, Mich. – [Promote the Vote 2022](#) released the following statement today after the Board of State Canvassers voted to place the initiative – now known as Proposal 2 – on the Nov. 8 general election ballot.

National Wildlife Federation Invasive Carp Film Highlights Progress to Protect Michigan's Diverse Fisheries

National Wildlife Federation - 09/09/2022

ANN ARBOR, Mich. (Sept. 9, 2022) – Highlighting the progress made in the past two years to block invasive carp from the Great Lakes, last night *Michigan Out-of-Doors TV* debuted [*Against the Current 2: Keeping Invasive Carp Out of the Great Lakes*](#) by the National Wildlife Federation Great Lakes Regional Center.

Dingell Hosts Gun Violence Prevention Roundtable with Community Leaders

U.S. Rep. Debbie Dingell - 09/09/2022

ANN ARBOR, Mich. – Congresswoman Debbie Dingell (MI-12) on Wednesday hosted a gun violence prevention roundtable discussion with Moms Demand Action Michigan, Giffords, local law enforcement, and several other community leaders on to provide legislative updates and discuss efforts to combat gun violence from the local and federal level.

DePerno Makes False Allegations of Political Persecution

Michigan Democratic Party - 09/09/2022

LANSING — The Michigan Democratic Party today denounced GOP attorney general candidate Matt DePerno's accusations of political persecution after Muskegon County Prosecutor DJ Hilson was appointed by the independent Prosecuting Attorneys Coordinating Council (PACC) to weigh charges against a group who conspired to [illegally tamper with voting machines](#). DePerno is one of [nine people allegedly involved in the scheme](#).

UPDATED RELEASE: Michigan voters to decide fundamental voting rights through Proposal 2 on November ballot

Promote the Vote 2022 - 09/09/2022

LANSING, Mich. – [Promote the Vote 2022](#) released the following statement today after the

Board of State Canvassers voted to place the initiative – now known as Proposal 2 – on the Nov. 8 general election ballot.

Michigan Celebrates Welcoming Week, Immigrant's Vibrant Diversity and Value to Communities

Department of Labor and Economic Opportunity - 09/09/2022

LANSING, Mich. – Governor Whitmer has [declared Sept. 9-18 Welcoming Week](#) in Michigan and the Office of Global Michigan is encouraging all Michiganders to celebrate [National Welcoming Week](#) to highlight the importance of bringing together neighbors of all backgrounds to build solid connections and achieve collective prosperity.

Not Even the CEO Got Paid: Steel Foundry Led by Tudor Dixon Bounced Paychecks, Regularly Shorted Employees' Wages, Then Laid Them All Off

Michigan Democratic Party - 09/09/2022

LANSING — DeVos sellout Tudor Dixon has frequently used her experience running various departments at Michigan Steel in an attempt to convince working families she would be an effective governor. That thin claim doesn't hold up to even the most basic scrutiny, according to recent reporting from [Bridge Michigan](#).

Midland Area Farmers Market to Explore Long-Term Solutions, Location

Midland Business Alliance - 09/09/2022

Midland, Michigan - After considering many factors and looking into a long-term strategy for the Midland Area Farmers Market, the Midland Business Alliance (MBA) has determined that the Midland Area Farmers Market will not return to its legacy location next to the river and Tridge.

Peters Statement Recognizing the 21st Anniversary of the 9/11 Terrorist Attacks

U.S. Sen. Gary Peters - 09/09/2022

DETROIT, MI – U.S. Senator Gary Peters (D-MI), Chairman of the Homeland Security and Governmental Affairs Committee and a member of the Senate Armed Services Committee — who served in the U.S. Navy Reserve including volunteering again after 9/11 — released the following statement in advance of Sunday’s 21st anniversary of the terrorist attacks of September 11, 2001:

Gov. Whitmer Announces Plan with Holtec to Reopen Palisades Plant, Protect 600 Jobs, Shore up Clean, Reliable Energy Production in Michigan

Governor Gretchen Whitmer - 09/09/2022

LANSING, Mich. — Today, Governor Gretchen Whitmer sent a letter to the U.S. Department of Energy in support of Holtec International’s application for a federal grant under the Civil Nuclear Credit (CNC) program to save the Palisades Nuclear Facility in Southwest Michigan, protecting 600 high-paying jobs at the plant and 1,100 additional jobs throughout the community while also shoring up clean, reliable energy production in Michigan.

Dingell Helps Secure \$7.6 Million for Henry Ford Health System

U.S. Rep. Debbie Dingell - 09/09/2022

YPSILANTI, Mich. – Congresswoman Debbie Dingell (MI-12) today announced Henry Ford Health System will receive \$7,625,122 from the Federal Emergency Management Agency (FEMA) to cover expenses incurred in response to the COVID-19 pandemic.

In “Postcards from Over the Edge,” MDP highlights 10 bizarre comments from radical GOP SOS candidate Kristina Karamo

Michigan Democratic Party - 09/09/2022

LANSING – Radical Republican Secretary of State candidate **Kristina Karamo** is campaigning to be Michigan’s top election official, an especially troubling prospect given the GOP candidate’s total disregard for the democratic process, her inexperience in elected office and outrageous and downright irresponsible views.

Priority Health, Oronoko Township and National Fitness Campaign Make Fitness Free for Everyone in Berrien Springs

Southwest Michigan Regional Chamber - 09/09/2022

BERRIEN SPRINGS, Mich., — Priority Health, Oronoko Township and **National Fitness Campaign** (NFC) announced today a partnership to bring an outdoor Fitness Court[®] to Berrien Springs. The Fitness Court, located across the street from Sylvester Elementary School, will open with a ribbon-cutting ceremony September 15 at 1 p.m.

Travel advisory for I-94 in Jackson County

Department of Transportation - 09/09/2022

Eastbound I-94 will have a single-lane closure from Elm Road to US-127 for maintenance.



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Michigan GOP leader: Bid to probe 2022 election a 'shameless' stunt

Bridge Magazine - 11/22/2022

By Yue Stella Yu

LANSING — House Speaker Jason Wentworth has shot down an effort by fellow Michigan Republicans to investigate the 2022 election, calling it “a shameless and half-baked political stunt.”

A Texas lawsuit could stifle Michigan access to the abortion pill

Bridge Magazine - 11/22/2022

By Ron French

Even before Michigan’s abortion rights constitutional amendment take effect, a new court challenge 1,100 miles away threatens to halt about half of abortions performed in the state and across the nation.

1-in-7 parents haven't talked with child's doc about vaccines for two years

Bridge Magazine - 11/22/2022

By Robin Erb

One-in-seven U.S. parents say they have not spoken with their child's primary care doctor about any vaccines over the past two years, according to a new poll.

Elizabeth Clement, a moderate on Michigan Supreme Court, named chief justice

Bridge Magazine - 11/22/2022

By Yue Stella Yu

LANSING — Michigan Supreme Court Justice Elizabeth Clement will serve as the next chief justice, the court unanimously voted Friday.

Elizabeth Clement selected as new Chief Justice of Michigan Supreme Court

Detroit Free Press - 11/22/2022

By Arpan Lobo

Following the retirement of Justice Bridget McCormack, Michigan Supreme Court justices have unanimously voted to name Justice Elizabeth Clement as the court's next chief justice for the remainder of its current term.

'Half-baked political stunt': Speaker rebuffs GOP ask for election inquiry*

Detroit Free Press - 11/22/2022

By Arpan Lobo

House Speaker Jason Wentworth, R-Farwell, is not working with a crew of election deniers to investigate unfounded allegations of fraud or misconduct tied to the 2022 midterms.

What a split Congress means for the auto industry*

Detroit News - 11/22/2022

By Riley Beggin

Washington — When Congress reconvenes in January, Republicans and Democrats will each hold power by a narrow margin in one chamber. It's sure to create gridlock — but experts say that could actually be a good thing for the U.S. auto industry.

Canton Township knows it doesn't need another Wendy's. It has other plans*

Detroit News - 11/22/2022

By Candice Williams

Canton Township is known for its retail corridors.

Dumas: Where to find a reason to be grateful this Thanksgiving*

Detroit News - 11/22/2022

By Karen Dumas

As we enter a season of both thanks and giving, it can also be a season of sadness and disappointment. With those feelings at large, I set out to find a source of gratitude and contentment. According to Dr. Rose Moten, clinical psychologist and founder of Bloom Transformation Center in Detroit, there is power in gratitude even when a reason to be thankful feels hard to find.

Michigan Supreme Court elects Elizabeth Clement as chief justice

Detroit News - 11/22/2022

By Kara Berg

Elizabeth Clement will be the Michigan Supreme Court's next chief justice, taking over for Justice Bridget McCormack after her retirement.

House Republican leader bristles at calls for 2022 election probe*

Detroit News - 11/22/2022

By Craig Mauger

Lansing — A small group of Michigan Republican lawmakers has sought subpoena powers to investigate the 2022 election, six weeks before Democrats take control of the state Legislature, according to documents obtained by The Detroit News.

Michigan's fresh turkeys cost more even as avian flu mostly spared turkey farms*

Detroit News - 11/22/2022

By Maureen Feighan and Carol Thompson

An avian flu strain that wiped out millions of turkeys across the country this year largely spared smaller Michigan turkey farmers, but prices will be higher for fresh turkey this Thanksgiving because of rising costs, many said.

Freij: Arab Americans don't count as a minority. Here's why that's a problem | Opinion*

Detroit News - 11/22/2022

By Maha Freij

My advocacy for the Arab American community often connects me to members of Congress. Most listen politely when I press them on social, economic and educational services needed for millions of Americans with roots in the Middle East and North Africa. Others are more blunt than polite: "Why should I care?" a lawmaker once asked me. "I don't have any Arab Americans in my district."

Phase 3 of new lock construction begins at Soo

Escanaba Daily Press - 11/22/2022

SAULT STE. MARIE, Mich. —The U.S. Army Corps of Engineers has kicked off Phase 3 construction for the New Lock at the Soo as the contractor mobilizes to the Soo Locks.

State agencies to expand translation services

Lansing City Pulse - 11/22/2022

By Janelle James

LANSING – Advocates are pushing for ballots to be in several languages and for more translation services at state agencies and other initiatives to expand language access in Michigan.

Michigan requires writing portion of the SAT as other states drop it

Lansing City Pulse - 11/22/2022

By Janelle James

LANSING – Michigan is among a very few states still requiring high school students to take the writing portion of the SAT college admissions test.

State asks court to dismiss lawsuit over frozen pandemic unemployment benefits

M-Live - 11/22/2022

By Rose White

DETROIT – A class-action lawsuit against the Michigan Unemployment Insurance Agency involving pandemic benefits should be dismissed, state attorneys argued in a recent court filing.

Whitmer ceremoniously pardons first Thanksgiving turkey, Mitch E. Gander

M-Live - 11/22/2022

By Jordyn Hermani

It was a 16-week old turkey aptly named Mitch E. Gander who took home the privilege of being the first fowl pardoned for Thanksgiving by Gov. Gretchen Whitmer, a tradition which

she later hinted could be a reoccurring one.

Protecting same-sex marriage could mean another ballot initiative in Michigan

M-Live - 11/22/2022

By Jordyn Hermani

With the country on the precipice of cementing protections for same-sex marriage into federal law, questions of whether Michigan will do the same has arisen in recent days. And the state's top law enforcement official is pushing for a citizen-led referendum on the issue.

PHOTOS: Peters Presents Commemorative Lapel Pins to Local Vietnam Veterans

U.S. Sen. Gary Peters - 11/21/2022

WARREN, MI – U.S. Senator Gary Peters (MI), a member of the Senate Armed Services Committee and former Lieutenant Commander in the U.S. Navy Reserve, today presented commemorative lapel pins to local Michigan Vietnam veterans to thank and honor them, along with their families, for their service and sacrifice. The Vietnam Veteran lapel pins are presented to veterans as part of the national effort to honor the 50th anniversary of the Vietnam War which runs through Veterans Day 2025. The ceremony was held during National Veterans and Military Families Month at Macomb Community College.

After 36 Years and More Than a Million Inquiries, Upton Closes Constituent Correspondence

U.S. Rep. Fred Upton - 11/21/2022

WASHINGTON, D.C. – U.S. Rep. Fred Upton, R-St. Joseph, today officially closed constituent correspondence operations after 36 years.

Media Statement by Kevin Kamps, Beyond Nuclear, regarding the Palisades Atomic Reactor's Shutdown for Good

Beyond Nuclear - 11/21/2022

COVERT TOWNSHIP, MI and WASHINGTON, D.C., NOVEMBER 18, 2022--"With Holtec International's announcement today that the U.S. Department of Energy has turned down its application for a Civil Nuclear Credit bailout to restart Palisades, we are again thankful that this reactor has indeed been shut down before it melted down. The 51-year old atomic reactor has the worst embrittled reactor pressure vessel in the U.S., which was at increasing risk of catastrophic failure due to pressurized thermal shock. To accommodate Palisades' operation for 51 years, the Nuclear Regulatory Commission (NRC) simply weakened and rolled back the safety standards, multiple times over decades. Palisades also has a severely degraded reactor lid, and worn out steam generators that needed replacement for the second time in the reactor's history. All three were major pathways to core meltdown, which an NRC commissioned report, CRAC-II (short for Calculation of Reactor Accident Consequences, also known as the 1982 Sandia Siting Study or as NUREG/CR-2239) estimated would have caused a thousand peak early fatalities (acute radiation poisoning deaths), 7,000 peak early radiation injuries, 10,000 peak cancer deaths (latent cancer fatalities), and \$52.6 billion in property damage. When adjusted for inflation alone, property damages would have surmounted \$150 billion in Year 2021 dollar figures. And as Associated Press investigative reporter Jeff Donn wrote in his four-part series "Aging Nukes," shortly after the Fukushima Daiichi nuclear catastrophe began in Japan in 2011, populations have soared around U.S. atomic reactors, so casualties would now be even higher. Donn cited reactor pressure vessel embrittlement and pressurized thermal shock risk as the top example of NRC regulatory retreat. Thank goodness no such nuclear nightmare unfolded at Palisades during its operations, but Consumers Energy (from 1971 to 2007) and Entergy (from 2007 to 2022) were willing to take those risks on the shoreline of the Great Lakes, drinking water supply for more than 40 million people in eight U.S. states, two Canadian provinces, and a very large number of Native American First Nations downstream and downwind, as well as up the food chain. Holtec was also willing to take those risks, by applying for a billion dollar or more bailout from the U.S. Department of Energy, and additionally demanding as much or more from State of Michigan taxpayers and electricity customers as well. For the sake of Michiganders' health, safety, security, environment, and pocketbooks, we are very thankful this **zombie reactor nightmare** has finally ended.

Macomb County Man Wins \$100,000 on the Michigan Lottery's The Big Spin Show

Michigan Lottery - 11/21/2022

LANSING, Mich., Nov. 19, 2022 – A Macomb County man has his sights set on a new truck after winning a \$100,000 prize on the Michigan Lottery's The Big Spin show.

AAA: Michigan Gas Prices Drop Below \$4 Ahead of Thanksgiving

AAA - The Auto Club Group - 11/21/2022

DEARBORN, Mich., (November 21, 2022) - Gas prices in Michigan are down 23 cents from a week ago, ahead of Thanksgiving where [AAA forecasts 1.5 million Michiganders](#) will set out for a holiday road trip. Michigan drivers are now paying an average of **\$3.81** per gallon for regular unleaded. This price is **31 cents less** than this time last month but still **45 cents more** than this time last year.

Gov. Whitmer Declares Saturday, November 26 as "Beat the Buckeyes" Day

Gov. Gretchen Whitmer - 11/21/2022

LANSING, Mich. – Ahead of the rivalry football game between the undefeated University of Michigan Wolverines and the Ohio State University Buckeyes, Governor Gretchen Whitmer today declared Saturday, November 26 as "Beat the Buckeyes" Day in Michigan.

City of Detroit Announces Street Closures, Bus Reroutes and Parking for America's Thanksgiving Parade, Turkey Trot and Lions Game Nov. 24

City of Detroit - 11/21/2022

Individuals attending America's Thanksgiving Parade, Turkey Trot and the Detroit Lions game on Thursday, Nov. 24 should make note of street closures, bus reroutes and suggested parking, as tens of thousands flock to downtown Detroit.

Winning Lucky For Life Ticket Bought in Warren; Ticket Worth \$25,000 a Year for Life

Michigan Lottery - 11/21/2022

LANSING, Mich., Nov. 21, 2022 – A Michigan Lottery player is looking forward to a lifetime of cash after winning \$25,000 a year for life playing Lucky For Life.

Wayne County Woman Wins \$100,000 Playing the Michigan Lottery's \$300,000,000 Diamond Riches Second Chance Game

Michigan Lottery - 11/21/2022

LANSING, Mich., Nov. 21, 2022 – What a Wayne County woman assumed was a scam call, ended up being a call from the Michigan Lottery informing her she'd won a \$100,000 prize playing the \$300,000,000 Diamond Riches Second Chance game.

AG Nessel Joins Multistate Effort Urging DEA to Extend Telehealth Capabilities for Opioid Use Disorder Treatment

Attorney General Dana Nessel - 11/21/2022

LANSING — Michigan Attorney General Dana Nessel is joining Florida Attorney General Ashley Moody, North Carolina Attorney General Josh Stein and 42 other attorneys general to urge the Drug Enforcement Administration and Substance Abuse and Mental Health Services Administration (SAMHSA) to permanently extend telehealth flexibilities for prescribing buprenorphine, an opioid use disorder treatment. Buprenorphine is one of three medications approved by the Food and Drug Administration (FDA) to treat patients suffering from addiction. During the COVID-19 pandemic, the FDA allowed doctors to use telehealth services to prescribe the medication, but the rule allowing buprenorphine to be prescribed virtually is set to expire once the COVID-19 public health emergency ends.

DIFS: Protect Yourself from Student Loan Debt Relief Program Scams

Department of Insurance and Financial Services - 11/21/2022

(LANSING, MICH) The Michigan Department of Insurance and Financial Services (DIFS) is alerting Michiganders to protect themselves from scams related to the Biden Administration's new Student Loan Debt Relief Program. Although the courts have currently blocked the program, scammers have been attempting to take advantage of this uncertainty to steal money or personal information from Michigan's student loan borrowers.

Detroit Free Press Names Michigan Municipal League Winner of Top Workplaces 2022 Award

Martin Waymire - 11/21/2022

ANN ARBOR, Michigan – The Michigan Municipal League has been awarded a Top Workplaces 2022 honor by *Detroit Free Press*. The recognition is based solely on [employee feedback](#) gathered through a third-party survey administered by employee engagement technology partner, [Energage](#), LLC. The confidential survey uniquely measures 15 culture drivers that are critical to the success of any organization: including alignment, execution, and connection, just to name a few.

Midwestern State Agriculture Leaders Give Thanks for The People Who Help Make Thanksgiving Meals Possible Every Year

Department of Agriculture and Rural Development - 11/21/2022

As consumers peruse store shelves, they are in search of ingredients for their traditional Thanksgiving meals. Maybe it's a classic stuffing recipe or the special cranberry sauce that's the hallmark of your family meal. Or the perfect pumpkin pie. Those tasty dishes are the product of hard work by the nation's farmers and producers, truckers, processors, grocery stores, and veterinarians.

AG Nessel Remembers Judge Wittenberg

Attorney General Dana Nessel - 11/21/2022

LANSING – Michigan Attorney General Dana Nessel issued the following statement on the passing of the Honorable Judge Jamie L. Wittenberg of the 44th District Court:

Kent County Hires New Community Action Director

Kent County - 11/21/2022

GRAND RAPIDS, Mich. (November 21, 2022) – Kent County has hired Gustavo Perez as the new director of the Kent County Community Action (KCCA). He will start the position on November 30.

New Polling Reinforces Support for Short-Term Rentals as an Important Private Property Right

Michigan Realtors - 11/21/2022

A new poll, commissioned by Michigan Realtors®, Airbnb, and TechNet finds that Michigan citizens are overwhelming supportive of short-term rentals as an important private property right. Over 75% of individuals polled are supportive of a homeowner's right to create income through using their residential property as a short-term rental. Furthermore, 70% of those polled believe that cities and townships should not be able to ban short-term rentals. As the debate concerning short-term rental continues in the Michigan Legislature, this important data reinforces arguments made by private property rights advocates across the state to protect short-term rentals from zoning bans or limitations.

Coulter: Shop Small and Local for the Holiday Season

Oakland County - 11/21/2022

Pontiac, Mich., Nov. 21, 2022 – Oakland County Executive Dave Coulter joined small business leaders at Dearborn Music in Farmington, Mich. to encourage holiday shoppers to purchase gifts and other items locally, especially on Small Business Saturday Nov. 26. Oakland County is promoting the "Shop Small and Local" campaign for the 2022 holiday season.

MSHDA Board approves development projects that will create or preserve nearly 1,000 units of affordable housing

Michigan State Housing Development Authority - 11/21/2022

Lansing, Mich. – The Michigan State Housing Development Authority (MSHDA) Board approved the issuance of bonds and loans to support the construction of four new affordable multifamily housing projects and moved to preserve apartments at another property during its November meeting.

Cascade Community Foundation Announces 2022 Grant Recipients for Giving Tuesday

Cascade Community Foundation - 11/21/2022

As a new initiative for Giving Tuesday, Cascade Community Foundation will focus on other local nonprofits. In hopes to uplift and support them, CCF is announcing the 2022 grant recipients from this year's grant cycle on Giving Tuesday, promoting other nonprofits instead of CCF itself. The grants. The CCF grant committee is at the forefront and is pivotal in the decision-making process regarding the grant awards, which are made possible through the Joyce & Thomas Wisner Fund.

Greater Flint Health Coalition Announces Ananich as New CEO

Sen. Jim Ananich (D-Flint) - 11/21/2022

LANSING, Mich. (Nov. 21, 2022) — Today, the Greater Flint Health Coalition (GFHC) board unanimously elected outgoing Senate Minority Leader Jim Ananich (Flint) as its new chief executive officer, starting January 2023. Ananich will oversee day-to-day operations of the organization and work to expand its existing work to support positive health outcomes for residents in the Flint area.

DTE Rate Case Order Sends Clear Message on Energy Equity

Vote Solar - 11/21/2022

Lansing, MI – On Friday, November 18, the Michigan Public Service Commission (MPSC) released its final [order](#) in utility giant DTE Energy's 2022 rate case.

Rep. Filler tapped to lead House Republican committee assignment efforts for new term

Rep. Graham Filler (R-Clinton County) - 11/21/2022

State Rep. Graham Filler will chair a temporary panel that will help establish which committee assignments Republican state representatives will receive for the 2023-24 term.

Shop Small and Local for the Holiday Season

Oakland County - 11/21/2022

Pontiac, Michigan – Oakland County Economic Development Director Ingrid Tighe joined small business leaders at Dearborn Music in Farmington to encourage holiday shoppers to purchase gifts and other items locally, especially on Small Business Saturday Nov. 26. Oakland County is promoting the "Shop Small and Local" campaign for the 2022 holiday season.

Ypsilanti Woman Wins \$100,000 Powerball Prize from the Michigan Lottery

Michigan Lottery - 11/21/2022

LANSING, Mich., Nov. 21, 2022 – A last-minute decision to add Power Play to her ticket paid off for a Ypsilanti woman who won a \$100,000 Powerball prize from the Michigan Lottery.

Gov. Whitmer Announces New Investments in Western Upper Peninsula to Build Affordable Housing, Retain Good-Paying Jobs, Support Business Growth

Gov. Gretchen Whitmer - 11/21/2022

LANSING, Mich. – Today, Governor Gretchen Whitmer joined the Michigan Economic Development Corporation (MEDC) to announce three community revitalization projects that will bring economic growth, housing, and increased vibrancy to Iron Mountain and Calumet have received support from the Michigan Strategic Fund. The projects are expected to generate a total capital investment of \$2.7 million.

\$2.4 million in EGLE brownfield funding to help redevelop contaminated sites in Mid-Michigan

Department of Environment, Great Lakes, and Energy - 11/21/2022

The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has awarded \$2.4 million in brownfield grants and loans for redevelopment of contaminated properties in Mid-Michigan. Overall, in 2022 EGLE will provide \$20.7 million in brownfield funding to 67 projects

statewide.

Carjacker's Bond Increased by Judge

Macomb County - 11/21/2022

Mt. Clemens, MI - Today, Sterling Heights District Court Judge Kimberley Wiegand increased the bond for Jason Graves who is accused of carjacking an elderly woman in Sterling Heights. Macomb County Prosecutor's Office charged and arraigned Jason Graves, 37 years-old, of Eastpointe with carjacking, a life offense, on Thursday, November 18, 2022.

Stay Safe This Thanksgiving: Don't Drink and Drive Urges the Michigan Liquor Control Commission

Department of Licensing and Regulatory Affairs - 11/21/2022

November 21, 2022 – Thanksgiving Eve is the biggest bar night of the year, often involving heavy alcohol consumption as friends and families gather for the holiday. It is also one of the deadliest nights on Michigan roads.

Governor Whitmer Pardons Turkey

Gov. Gretchen Whitmer - 11/21/2022

LANSING, Mich. – Today, Governor Gretchen Whitmer pardoned a turkey before Thanksgiving. The turkey's name, Mitch E. Gander, was submitted by Seneca of Grand Rapids and Mia of Harper Woods. The name was selected from more than 6,000 entries in the statewide contest announced last week. Mitch E. Gander is the first turkey pardoned since the governor took office.

NOTICE OF PUBLIC MEETING

Civil Service Commission - 11/21/2022

The Michigan Civil Service Commission will hold a public meeting at 10:00 a.m. on Monday,

December 19, 2022, in Conference Room A, Capitol Commons Center, 400 South Pine Street, Lansing, Michigan. This meeting is open to the public.

Winter Energy Appraisal finds growing demand and prices; financial help available for Michiganders struggling with costs

Public Service Commission - 11/21/2022

Michigan energy customers have options to help with higher energy costs – and a new web page to make it easier to find – amid energy market volatility that the Michigan Public Service Commission’s **2022-2023 Winter Energy Appraisal** finds is driving higher prices amid increasing demand across energy sectors.

State Fire Marshal Encourages Residents To Be Safe When Cooking This Holiday

Department of Licensing and Regulatory Affairs - 11/21/2022

November 21, 2022 – State Fire Marshal Kevin Sehmeyer is urging Michigan residents to be mindful of fire safety while cooking this Thanksgiving.

This email was sent by info@mirs.news to scrippsd1@michigan.gov
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Felice, Lisa (LARA)

From: NARUC-CI-S <naruc-ci-s-lists@lists.naruc.org> on behalf of James Ramsay <JRamsay@naruc.org>
Sent: Tuesday, September 20, 2022 6:28 PM
To: naruc-sslw-sf@lists.naruc.org; NARUC-SNAP-SF@lists.naruc.org; naruc-elec-s@lists.naruc.org; naruc-ere-s@lists.naruc.org; naruc-gas-s@lists.naruc.org; naruc-ci-s@lists.naruc.org; naruc-ssci-s@lists.naruc.org; naruc-ssere-s@lists.naruc.org; naruc-sselecrel-s@lists.naruc.org; naruc-sselec-s@lists.naruc.org; NARUC-wap-sf@lists.naruc.org; NARUC-CONSR-SF@lists.naruc.org; NARUC-SSTCOM-SF@lists.naruc.org; NARUC-TCOM-SF@lists.naruc.org; naruc-ssgas-s@lists.naruc.org; NARUC-WTR-SF@lists.naruc.org; NARUC-SSWTR-SF@lists.naruc.org
Cc: Baranowski.Curt@epa.gov; smcquaig@mcquaiglaw.net; Daniel.Stusek@mt.gov; abe.silverman@bpu.nj.gov; maison.bleam@iub.iowa.gov; chris.mongeau@psc.ms.gov; jli@ncuc.net; Sarah.K.Monahan@mass.gov; mtate@pa.gov; Benjamin.Turner@cpuc.ca.gov; Kimberly.Lippi@cpuc.ca.gov; Ian.Culver@cpuc.ca.gov; Jonathan.Koltz@cpuc.ca.gov
Subject: [NARUC-CI-S] What to Watch in Washington This Week - Brad Ramsay - NARUC GC
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What to Watch in Washington this Week

Brad Ramsay
NARUC General Counsel

I. BACKGROUND NOISE:

A. ELECTIONS:

Seven weeks till election day. House - still predicted to flip to R control. Senate - odds by Cook and 538 say likely D's retain control – but key races are narrowing: Vulnerable D's? [] Kelly – AZ – last two polls have Kelly with avg 1.4 lead w/in margin of error over Masters (R) [] Cortez-Masto – NV – last two polls have Laxalt (R) with avg 1.5 lead [] Fetterman – PA – last two polls average 3.5 Fetterman lead over Oz [] Vulnerable R's? – Johnson – WI – last four polls Johnson avg lead at just under 2 over Barns (D).

<https://projects.fivethirtyeight.com/2022-election-forecast/senate/?cid=rrpromo>

B. ECONOMY (still tops the polls as the issue voters care most about):

Rail strike averted? Note strike would have impacted drinking water treatment chemicals, coal and other energy product shipments. But tentative deal struck friday. In mid-October rank and file union members will vote whether to ratify the deal. If they don't negotiations begin anew.

*Inflation/Recession Fresh off the market's worst week since June, stocks fell on Monday due to investor fears **the Federal Reserve will again hike interest rates this week**, with the Dow and S&P 500 both dipping 0.4% and the Nasdaq dropping 0.3%.*

Federal Reserve begins two-day meeting Tuesday, likely culminating in another .75% percentage interest-rate rise After championing an aggressive stimulus campaign just 12 months ago, Powell has this year led the most rapid tightening of monetary policy since the early 1980s. Won't be a soft landing.....WEDNESDAY more news: When people buy new homes, they typically buy a lot to go inside, including furniture, accessories and appliances. Such spending has slowed or fallen this year as many home buyers were sidelined by climbing interest rates and a shortage of homes to buy. U.S. existing-home sales fell in July for the sixth straight month, the longest streak of declines in more than eight years. On Wednesday, the National Association of Realtors will reveal whether the streak continued into August.

II. CONGRESS:

- A. **COVID ABSENCES:** *Note - Covid-19 still playing a role in the Senate. D member absences can cause problems on ANY close votes for nominations (or even the CR to keep the government running)*
Since the beginning of September, 3 D Senators, Rosen (NV), Menendez (NJ) & Ossof (GA) have tested positive and had to isolate for five days at various times before returning to the Capital.

- B. **THE CLOCK:** *House is scheduled to leave Sept 30 and has 5 legislative days on the calendar before then. Senate set to leave at the same time but has 7 legislative days on the calendar.*
Note – the SENATE only is scheduled to return for two weeks in October (11th – 21st) but not clear if they will stick around for those two weeks. The House isn't back until after the elections for a lame duck session.

- C. **CONTINUING RESOLUTION (CR) TO FUND THE GOVERNMENT (because the Senate hasn't passed any of its 12 approps bills or even agreed on top line allocations)- VOTE REQUIRED BEFORE END OF FISCAL YEAR – SEPT 30:**

VOTE – NONE ANNOUNCED YET – SEEMS LIKELY NEXT WED-THURSDAY: Neither Speaker Pelosi (D-CA) or Senate Majority Leaders Schumer (D - NY) have announced which chamber will move the must-pass CR or when.

CR LIKELY THROUGH DECEMBER 2022: *Because Rs believe they will pick up at least one chamber in the midterms – some in both chambers are pushing for the continuing resolution (CR) to fund the government expire in January – when there is a new Congress (and presumably the House at least is R). In two letters, one from 14 R senators and one from 42 R House members, lawmakers demanded a CR stretch into January and be free of additional amendments or riders. The House letter also vows to oppose any appropriations bill between now and the end of the year. But the D's are unlikely to move off of mid-December as a target – so funding the government will become a lame duck session priority.*

WHITE HOUSE'S SUPPLEMENTAL REQUEST – UKRAINE & DISASTER AID A SHOO IN - NO NEWS ON RESOLUTION OVER COVID/MONKEY POX FUNDING: *The majority in either chamber has yet to announce how much of President Joe Biden's \$50 billion request for supplemental funds will be attached to the CR. Rs & Ds support Biden's request for \$11.7 billion in additional support for Ukraine and for the WH request for \$6.5 billion in extra emergency disaster aid. But R's are not backing the requests for \$22.4 billion in extra Covid funds or the \$4.5 billion to address the monkeypox virus. The President's announcement on 60 minutes Sunday that "the pandemic is over" was ill-timed given the ongoing debate over those funds.*

MANCHIN'S PERMITTING BILL – NARUC OPPOSES - STILL NO TEXT: Last week, NARUC sent a [letter](#) basically opposing the new and preemptive transmission text that was included in an early version of the Manchin (D-WV) permitting proposal (outlined at length in earlier editions of his e-mail) Last week Manchin suggested b/c of Senate D opposition he may need as many as 20 Rs to vote for it – that seems unlikely (although 46 R Senators have signed on to an alternate permitting proposal by Senator Capito (R-WV)). And as reported last week – 70 plus House D's have asked the permitting measure be separated from the CR. The other problem, no one has seen the permitting proposal text. D leadership is keeping under wraps the details – most lawmakers have only seen an outline of the plan. There were reports that even Speaker Pelosi suggested there are other “must pass” bills in the coffer that it could be attached to – other than the CR. Still he got a promise – AND earlier today – Manchin said the plan (as of today) was still to attach his bill to the government funding legislation. WSJ editorial this morning suggested: “It sounds as if the strategy is to prevent anyone from pondering the details too long. The permitting changes might be unveiled at the last minute, as pressure to avoid a government shutdown peaks.” The one thing that seems clear – because of D defections in both chambers - the bill goes nowhere without R support. Senator Markey said last week – he doesn't support attaching the deal to the CR AND Senator Sanders says he will vote against the CR if the Manchin deal is attached. Stay tuned.

D. SENATE:

FERC/FCC NOMINATIONS – RADIO SILENCE: Still no word on when FERC Chair Glick might be brought before Senate ENR – and no word on third FCC nominee Sohn in terms of a discharge petition vote. The President will have to renominate both of them if Congress adjourns in December without acting on either. Doubt if there will be any action before Oct 1 on either. And seems like Glick has a much better shot than Sohn.

Those of you that read these updates will recognize the following analysis from Blair Levin re: Sohn (as I've said pretty much the same thing for quite a while now): [FierceTelecom](#) ---” Levin [said]there are two primary reasons the Biden administration might feel pressure to get Sohn appointed . . .[1] the upcoming election in November could flip control of the Senate to [Rs]. And “the practical reality I think is if the [Rs] win the Senate, it is unlikely they will confirm any [Ds] who will give the Democrats a working majority at the Commission.” If they lose the Senate, Democrats could try to push Sohn through during the lame duck session . . . However, given the roadblock thus far has been reported concerns among some Democrats, Levin said the key question is whether those Democrats would still object to her appointment during the lame duck period.”

EPA/TENNESSEE VALLEY AUTHORITY NOMINATIONS: Senate EPW is voting on 5 board members for TVA and – well-known-to-NARUC – from the Obama EPA – **Joseph Goffman** to be an EPA Assistant Administrator for the Office of Air and Radiation – TVA Board members up? Michelle Moore, Robert P. Klein, Beth Pritchard Geer, William Renick, Adam Wade White and Joe H. Ritch.

SENATE HEARINGS OF POSSIBLE INTEREST:

Tuesday, September 20, 2022

3:00 PM ET Telecom Senate Judiciary: [Oversight of Federal Enforcement of the Antitrust Laws](#) They had the new FTC chair on the dais for questions about the new approach to antitrust she is championing along with DOJ Antitrust chief Kanter. Video archived at this link.

September 21, 2022

10:00 AM ET Cross Sector Senate EPW: [Business Meeting \(Goffman to EPA & TVA Board\) & Putting the Bipartisan Infrastructure Law to Work: The State and Local Perspectives](#)

2:30 PM ET Cross Sector Senate Committee on Intelligence: [Protecting American Innovation: Industry, Academia, and the National Counterintelligence and Security Center](#)

September 22, 2022

9:00 AM ET Telecom: Senate Judiciary: [Executive Business Meeting re: S 673](#) (which provide a temporary safe harbor for publishers of online content to collectively negotiate with dominant online platforms regarding the terms on which content may be distributed)

10:00 AM ET Telecom: Senate Committee on Aging: ["Stopping Senior Scams: Empowering Communities to Fight Fraud"](#)

10:00 AM ET Energy: Senate Committee on Energy and Natural Resources: [Energy Storage](#) to examine opportunities and challenges in deploying innovative battery and non-battery technologies for energy storage.

2:30 PM ET Telecom Senate Committee on Indian Affairs: [Roundtable discussion "Promoting and Supporting Tribal Access to Spectrum and Related Benefits in Native Communities"](#)

E. HOUSE:

This week the big item – not related to the utility sector – is the update to the Electoral Count Act of 1887 from Lofgren (D-CA) and Cheney (R-WY) – which goes further than the bipartisan Senate bill introduced by Collins (R-ME) & Manchin (D-WV) earlier this summer.

House members are anxious to get out on the campaign trail and hope not to have a government shutdown in the news.

Lawmakers started yesterday with debate on 26 measures under suspension of the rules, which limits debate to 40 minutes and requires a two-thirds majority for passage or adoption. Two bills postponed yesterday – which could be taken up today- affect critical infrastructure supply chains: (1) [H.R. 8503](#) – the Securing Global Telecommunications Act - which authorizes the International Digital Economic and Telecommunication Advisory within the State Dept, requires the development of a strategy to promote the use of secure telecommunications infrastructure, and mandates a report on Chinese and Russian influence in the International Telecommunications Union. and (2) [H.R. 8520](#) – Countering Untrusted Telecommunications Abroad Act, which requires the State Department to provide information on the use of unsafe telecommunications equipment produced by Chinese companies and requires companies to disclose the use of unsafe equipment in their networks.

HOUSE HEARINGS OF POSSIBLE INTEREST:

September 21, 2022

10:00 AM ET Water: House Committee on Homeland Security: ["Critical Infrastructure Preparedness and Resilience: A Focus on Water"](#)

September 22, 2022

9:00 AM ET Cross Sector : House Committee on Financial Services Subc: [State of Emergency: Examining the Impact of Growing Wildfire Risk on the Insurance Market](#)

10:00 AM ET Cross Sector House Committee on Homeland Security ["Federal Building Security: Examining the Risk Assessment Process"](#)

10:00 AM Energy: House Committee on Natural Resources: [PROMESA and LUMA Energys Contract](#) (Protesters in Puerto Rico are demanding the cancellation of the contract with LUMA Energy amid seven consecutive electricity price rises and increasing blackouts).

III. SECTOR NEWS

A. ENERGY SECTOR – Appendix B

[1] Highlights: FERC has its September agenda this week

NAESB Gas-Electric "Interdependency" Forum is online Friday

US Energy Association has their Advanced Energy Tech Forum Thursday

Reply Comments filed in the FERC Transmission NOPR yesterday (and weblinks to ALL filings in attached Appx B)
DOE put out a “report” on consent based siting of Nuclear Waste and more - including quite a few energy specific events of interest (see below)

[2] ENERGY SECTOR ONLINE EVENTS OF LIKELY INTEREST:

September 21, 2022

10:00 AM ET Cross Sector Senate EPW: [Business Meeting & Putting the Bipartisan Infrastructure Law to Work: The State and Local Perspectives](#)

2:30 PM ET Cross Sector Senate Committee on Intelligence: [Protecting American Innovation: Industry, Academia, and the National Counterintelligence and Security Center](#)

September 22, 2022

9:00 AM ET Cross Sector: House Committee on Financial Services Subc: [State of Emergency: Examining the Impact of Growing Wildfire Risk on the Insurance Market](#)

9:00 AM ET US Energy Ass’n: [4th Annual Advanced Energy Technology Forum \(9 to 1 ET\) register here.](#) Greg White is among the speakers.....

10:00 AM ET FERC: Virtual Open Meeting <https://www.ferc.gov/news-events/events/september-22-2022-virtual-open-meeting-09222022> Webcast <http://ferc.capitolconnection.org/> AGENDA <https://www.ferc.gov/news-events/news/sunshine-notice-september-commission-meeting-0>

10:00 AM ET Senate Committee on Energy and Natural Resources: [Energy Storage opportunities and challenges in deploying innovative battery and non-battery technologies for energy storage.](#)

10:00 AM Energy: House Committee on Natural Resources: [PROMESA and LUMA Energys Contract](#)

10:00 AM ET EPA: Texas Water, Energy, & Emergency Management Virtual Workshop (10 – 4 ET) [Register](#) This virtual workshop will focus on two key interdependencies with the water sector: energy and emergency services.

2:00 PM ET AGA: Winter Heating Outlook Series Part I: Market Fundamentals [register](#)

1:00 PM ET Berkeley Lab: 2022 edition of BL’s [Tracking the Sun](#) report (on Utility Solar) Register here: https://lbln.zoom.us/webinar/register/WN_3FHV1Sd4T1ObszUI4JcdsqT

3:00 PM ET EPA: Supporting Air Quality and Climate Change Planning with [GLIMPSE](#) (Energy System focus tool) [Register](#)

7:00 PM ET FERC : Scoping meeting: Gregory County Pumped Storage Project (P-14876-002) (800) 779-8625 Access code: 3472916

September 23, 2022

10:00 AM ET FERC: NAESB Gas-Electric “Interdependency” Forum (10 – 1 ET) [register here:](#) https://us06web.zoom.us/webinar/register/WN_MDDWtkKNQF-paKbnySnjoQ

[3] SOME REPRESENTATIVE “CLIPS” FROM APPENDIX B – there are more stories in that appendix:

0920 Solar: Lawrence Berkeley Lab : 2022 edition of Berkeley Lab’s [Utility-Scale Solar](#) report released – analyzes record deployment and higher value in 2021.

0920 DER Integration: [Florida Phoenix: Amid a massive American clean energy shift, grid operators play catch-up](#)

0920 DER Integration: [EE Online: FERC accepts ISO-NE tariff revisions to streamline interconnection process for distributed energy resources](#)

0919 DEI: [Sens. Warner, Kaine introduce bill to give public more say in pipeline proposals](#) [unlikely to move this congress – brad]

0919 SPR Depletion: DOE is accepting bids until Sept. 27 for the sale of an additional 10 million barrels of oil from the Strategic Petroleum Reserve. The department will award contracts by Oct. 7, with deliveries slated for November. [S&P Global](#)

0919 Reply Comments filed in "Building for the Future Through Electric Regional Transmission Planning & Cost allocation & Generator Interconnection" RM21-17-000 NOTE – all of the links **for all** of the 100 plus filings are in appendix B.

0919 **Enviros challenge EU decisions to include natural gas and Nuclear in sustainable fiancé taxonomy.**
[The Associated Press](#)

0919 Solar: [Rep. Mike Levin Leads Letter Urging CPUC Not to Undermine Solar Incentives in Updated Net Energy Metering Proposal](#)

0919 Solar: [The US solar industry has a supply problem](#)

0919 Solar - [Minnesota PUC approves Xcel Energy's 460-MW solar project to replace Sherco coal-fired generation](#)

0918 CCS: [Climate law spurs CCS at new West Virginia gas plant](#) Carlos Anchondo,

0918 Energy Prices: WSJ: [Electric Bills Soar Across the Country as Winter Looms - Rising natural-gas prices are expected to make it more expensive to light and heat homes in the coming months -](#)

0916 **Natural Gas: US natural gas production growth is struggling to keep up with surging foreign and domestic demand, putting further pressure on already strained gas inventories and making them vulnerable to weather shocks,** [Reuters](#)

0916 FERC Oversight: [DC Circuit finds FERC correctly concluded that Tri-State Generation and Transmission Association Inc. is subject to agency regulation after adding a non-utility member.](#)

0916 Nuclear: [U.S. DoE: 6 Steps DOE is Taking to Address Spent Nuclear Fuel](#)

0916 Natural Gas - [California provides disincentives to Use Natural Gas in New Buildings](#) Mark Chediak, Bloomberg Utilities will no longer be able to pass along part of costs for new gas lines to residential, commercial customers.

0916 Minnesota PUC approves Xcel Energy's 460-MW solar project to replace Sherco coal-fired generation – [Industry Dive](#).

0916 Wind: Administration "hopes" to deploy "up to" 15 gigawatts of electricity through floating wind turbine platforms in the deep ocean by 2035, ([The Associated Press](#))

0916 Pipelines: [D.C. Circuit leans toward FERC in NEPA dispute](#) Niina H. Farah, E&E News Federal judges Wednesday pressed energy regulators for an update on their plans to use a contested metric to evaluate the costs of GHG emissions from natural gas projects.

0916 Solar - [Minnesota regulators approve huge solar project in Becker](#)

0915 **Nuclear Waste – and another rehash of "consent based siting" ...nothing new: The U.S. Department of Energy (DOE) released a new report today summarizing public feedback on the Department's consent-based siting process to identify sites for the consolidated interim storage**

0915 Hydro: [Hydro Review: FERC cancels preliminary permit for NY State - Saugerties Community Hydro Project](#)

0915 Renewables: [Inflation Reduction Act could raise prices on clean energy, warns Bank of America](#) Without additional transmission capacity, the law could incentivize inefficient development of renewables and result in higher price volatility.

0915 Pipeline Siting: [BTU Analytics: High-Profile Intervenors Seek to Shake Up FERC's Gas Pipeline Approval Criteria](#)

0915 Wind: [Perkins Cole LLC: New England Requests Information on Electric Grid Upgrades To Integrate Offshore Wind](#)

0914 Natural gas: AmGas September 2022: The Forecast for Global Gas
https://read.nxtbook.com/aqa/american_gas_magazine/american_gas_september_2022/cover.html T

0914 Nuclear: [Hurdles ahead for saving Michigan nuclear power plant](#)

0914 Coal to Nuclear: Up to 80% of retired or active coal power plant locations in the United States could be converted to nuclear power sites, according to a Department of Energy report, including as many as 157 retired plants and 237 operating plants. [Reuters](#))

0914 Clean Energy: [New York announces \\$16.6M for hydrogen and 4 other long-duration storage demonstration projects](#)

0914 Hydrogen: [SDG&E Hydrogen Pilot to Assess Hydrogen's Feasibility as a Decarbonization Tool](#) T&D World

0914 Residential Storage/"Virtual Power Plant": Rocky Mountain Power rolled out its Wattsmart program to create a virtual power plant comprised of residential energy storage systems [Canary Media](#)

0913 Hydro: Hydropower is considered a baseline energy source in California and other parts of the Western US, but confidence in the energy source's long-term reliability is drying up alongside the region's reservoirs. [E&E News](#)

0913 Hydrogen - Nuclear: Energy Harbor has joined forces with the University of Toledo and several industrial companies and DOE national laboratories to launch the Great Lakes Clean Hydrogen coalition, [Power Engineering](#)

0913 Resiliency: [Congress should require FERC, NERC to monitor gas pipeline capacity to ensure reliability, manufacturers say](#), [Utility Dive F](#)

0913 Gas: [A decade after FERC tried to tackle New England gas issues, concerns remain and solutions are uncertain](#) [Industry Dive](#)

0913 Coal to Nuclear: [U.S. DoE: Could the Nation's Coal Plant Sites Help Drive a Clean Energy Transition?](#) new DOE report finds that 394 operating and retired coal power plants across the US could transition to nuclear power production using small-scale advanced nuclear reactors

0913 Storage: US added a record 2.6 gigawatts of utility-scale energy storage capacity in the second quarter. [ReNews \(UK\)](#)

0913 Storage - New York state has committed \$16.6 million in funding to five long-duration energy storage demonstration projects, two of which are focused on clean hydrogen production via the Nine Mile Point Nuclear Station. [Utility Dive](#)

0912 LNG: FERC issued a final environmental impact statement for the proposed Commonwealth liquefied natural gas export project in Louisiana, [Institute for Energy Economics and Financial Analysis/Agence France-Presse/E&E News](#) (

B. TELECOM SECTOR - Appendix C

[1] Highlights: MORE STORIES & DETAIL IN APPX C CISRIC meeting this week – and NCTA's Powell and NTIA's Berk speaking tomorrow on WashPost live event about BB infrastructure.

0920 BB Speeds: Phoenix Center: Speed-Tests: Substitute for, or Complement to, Broadband Maps?, [online here](#).

0920 [The Latest Stats on Broadband Usage](#) Doug Dawson, CCG Consulting

0919 Service Quality: [State regulators respond to complaints about telephone service quality in Nebraska](#) [Lincoln Journal Star](#)

0919 Unbundling: [FCC seeks comment on Sonic Telecom's petition for recon of the Oct. 2020 report and order on modernizing the FCC's unbundling and resale requirements \(Federal Register\)](#). Comments due Oct. 4; replies are due Oct. 14, NECA WW

0918 Mapping: FCC Broadband Mapping Fabric Doug Dawson [CCG Consulting](#)

0919 BB Programs – LOC: Rep Harris (R-MD) Asks NTIA to Reconsider Letter of Credit Requirements for Infrastructure Investment and Jobs Act Broadband Programs [Letter](#)

0919 BB Funding Guide Update: [NTIA updated its website - Federal Broadband Funding Guide](#) which includes broadband funding opportunities and information on more than 80 federal programs across 14 federal agencies.

0916 Section 230/censorship: [The Hill: Appeals \(5th Circuit\) court upholds controversial Texas social media law](#)

0915 Robocalls: [Reply comments were filed on the seventh FNPRM and fifth FNPRM on robocalls](#). NECA WW

0915 BB Grants: Xochitl Torres Small of the USDA said that federal government definitions for "rural" vary widely where broadband programs are concerned. Rep. Jimmy Panetta, D.-Calif., has called for a unified standard. [FierceTelecom](#)

0915 Mapping: [FCC Announces Data Specifications for Bulk Fixed Availability Challenge and Crowdsource Data](#) [FCC also established procedures for entities using their own hardware and software to submit on-the-ground speed test data for the mobile BDC.](#)

0915 NTTA files paper on broadband sustainability funding on Tribal lands [National Tribal Telecommunications Association](#)

0915 Speed Measurement metrics Needed: The national broadband rollout has a blind spot: Lack of accurate, transparent data about internet access speeds Sascha Meinrath | Op-Ed | [The Conversation](#)

0914 Privacy: [Mondaq: US FTC Moves Forward On Privacy Rulemaking With Public Forum](#)

0914 ETC Abandonment: FCC Seeks Comment on Two Petitions for Relinquishment of Eligible Telecommunications Carrier Designation From T-Mobile [Federal Communications Commission](#)

0914 BEAD: [Are BEAD Grants Large Enough?](#) Doug Dawson, CCG Consulting

0914 BB: Phoenix Center Paper: Overstating Broadband Availability: An Assessment of the "All-In" Assumption for FCC 477 Data [online here](#)

0914 NANC - FCC CANCELS OCT. 4 MEETING OF THE NORTH AMERICAN NUMBERING COUNCIL. [DA-22-950A1.docx](#) [DA-22-950A1.pdf](#) [DA-22-950A1.txt](#)

0913 Spectrum Interference- 5G - Ligado Networks scrubbed plans to introduce 5G service in Virginia after a govt report showed the L-band spectrum would create problems for DDOD operations using satellite and GPS technology. [Light Reading](#)

0913 USF – AEI White paper on THE FUTURE OF UNIVERSAL SERVICE: Thomas M. Johnson Jr. <https://platforms.aei.org/the-future-of-universal-service/> [full text in appendix C]

0913 USF Contribution Factor: [FCC announces the proposed USF contribution factor for 4th quarter 2022 will be 28.9%, down from the previous quarter's 33%.](#) NECA WW

0913 RDOF: FCC [authorizes](#) authorizes RDOF support for 49 winning bids identified in Attachment A of the public notice. [DA-22-944A1.docx](#) [DA-22-944A1.pdf](#) [DA-22-944A1.txt](#) [DA-22-944A2.pdf](#)

[2] TELECOM SECTOR ONLINE EVENTS OF LIKELY INTEREST:

Tuesday, September 20, 2022

3:00 PM ET Senate Judiciary Subcommittee: [Oversight of Federal Enforcement of the Antitrust Laws](#)

September 21, 2022

10:00 AM ET Fiber Broadband Association: Millions Left Behind: BEAD Isn't Enough to Close the Digital Divide <https://register.gotowebinar.com/register/2426217967641155853>

10:00 AM ET Washington Post: [America's Infrastructure investment – NCTA's Powell and NTIA's Berk.](#) <https://aiisept2022.splashthat.com/>

12:00 PM ET Broadband Breakfast News: [Broadband Mapping & Data](#)

12:00 PM ET Georgetown: [Broadband & Tech Industry updates. A conversation with Recon Analytics' President, Roger Entner](#)

1:00 PM ET FCC: [Communications Security, Reliability, and Interoperability Council VIII Meeting](#)

2:30 PM ET Cross Sector Senate Committee on Intelligence: [Protecting American Innovation: Industry, Academia, and the National Counterintelligence and Security Center](#)

September 22, 2022

9:00 AM ET Cross Sector : House Committee on Financial Services Subc: [State of Emergency: Examining the Impact of Growing Wildfire Risk on the Insurance Market](#)

9:00 AM ET ITIF: The EU's Digital Markets Act: A Triumph of Regulation Over Innovation? [see appx a]

10:00 AM ET Senate Committee on Aging: ["Stopping Senior Scams: Empowering Communities to Fight Fraud"](#)

12:00 PM ET FCC: [Virtual Digital Skills Gap Symposium and Town Hall](#)
2:30 PM ET Senate Committee on Indian Affairs: [Roundtable discussion "Promoting and Supporting Tribal Access to Spectrum and Related Benefits in Native Communities"](#)

C. WATER SECTOR Appendix D

[1] Highlights: [Interior-Reclam: Biden-Harris Administration announces \\$20 million funding opportunity for small surface and groundwater storage](#)

[House Committee on Homeland Security hearing Wednesday on "Critical Infrastructure Preparedness and Resilience: A Focus on Water"](#)

[Thursday, at 10 ET EPA is holding a Water, Energy, & Emergency Management Virtual Workshop \(10 – 4 ET\) see appx or \[2\] below.](#)

0920 WUS – Supply: [Wildfires are burning away the West's snowpack.](#)

0919 NY – Polio: NY Governor declared a disaster emergency last week in a bid to accelerate efforts to vaccinate residents against polio after the virus was detected in wastewater samples taken in four counties.

0919 WUS – Supply: Colorado River Water Conservation District General Manager Andy Mueller warned Colorado River Basin states Arizona, California, Colorado, Nevada, New Mexico, Utah and Wyoming — on Friday that the system's federal reservoirs could effectively empty in a few short years barring aggressive reductions to water demands. "If we continue in the way we're operating now, if we don't reduce our demands, we're going to really see those reservoirs really hit a crisis," Mueller said. "I'm not talking about in 20 years, I'm talking about in the next three or four years. We have a period of time here to change our use."

0919 NY - PFAS: [Politico: Albany looks to crack down on 'forever chemicals' contamination](#)

0916 [First Round of BIL Funding Awarded to 18 States for Water Infrastructure.](#) BIL allocates more than \$50 billion over five years toward repairing the nation's water infrastructure. More than \$1.1 billion in BIL capitalization grants have been issued to 18 states through the State Revolving Funds (SRFs), with additional capitalization grants forthcoming. The grants mark the first significant distribution of BIL water infrastructure funds. State allocations were previously announced. EPA awarded SRF capitalization grants to 18 states, including: Arizona, Colorado, Connecticut, Delaware, Hawaii, Maine, Maryland, Massachusetts, Montana, New Hampshire, New Mexico, Pennsylvania, Rhode Island, Utah, Vermont, Virginia, Washington and West Virginia. The Federal funding announced on 9/16 represents 2022 Fiscal Year (FY22) awards for states that have submitted and obtained EPA's approval of their plans for use of the funding. Capitalization grants will continue to be awarded, on a rolling, state-by-state basis, as more states receive approval throughout FY22. States will also receive additional awards over the next four years. Once grants are awarded, state programs will begin to deliver the funds as grants and loans to communities across their state. More

information on EPA's infrastructure funding efforts can be found [here](#).

0914 US – NAWC CEO & Ex-NARUC Pres. OpEd [Our water infrastructure: Extolling low rates only increases inequities!](#)

0912 AZ – PFAS: [Ariz. announces \\$3M public water sampling plan \(that exceeds EPA req.\) for PFAS](#)

0912 CA- MISC: [Calif. approves world's first microplastics testing requirements for drinking water](#)

NOTE – there are a lot more clips – and several newsletters in Appendix D.

[2] WATER SECTOR ONLINE EVENTS OF LIKELY INTEREST:

September 21, 2022

10:00 AM ET House Committee on Homeland Security: ["Critical Infrastructure Preparedness and Resilience: A Focus on Water"](#)

September 22, 2022

10:00 AM ET EPA: Texas Water, Energy, & Emergency Management Virtual Workshop (10 – 4 ET) [Register](#)

3:00 PM ET NRWA: Beginners Guide to Mapping your system with High-Accuracy GPS [Register Now](#)

D. BIPARTISAN INFRASTRUCTURE ACT CLIPS SINCE LAST UPDATE – Details in Appendix E

0916 Nuclear – DOE is about to roll out a key program which leverages private sector funds to accelerate the commercialization of fusion energy according to Scott Hsu, DOE's lead fusion coordinator before Senate ENR Thursday.

0916 DHS has given states guidelines for requesting funds from the cybersecurity grant program. States will have 60 days to tell DHS how they intend to distribute their shares of the money, and local governments must receive 80%. [StateScoop](#)

0916 NTIA: Reminder: Middle Mile Grant Applications are Due in Two Weeks

0915 ARPA-E [Announced](#) up to \$10 million in funding to establish clear practices to determine whether low-energy nuclear reactions (LENR) could be the basis for a potentially transformative carbon-free energy source.

0914 [Interior-Reclam: Biden-Harris Administration announces \\$20 million funding opportunity for small surface and groundwater storage](#)

0914 Administration Approved First 35 State Plans to Build Out EV Charging Infrastructure Across 53,000 Miles of Highways (details in Appx E)

0913 [DOE Announces \\$178 Million to Advance Bioenergy Technology](#) 37 Projects Will Develop New Technologies That Engineer Plants and Microbes into Bioenergy and Improve Carbon Storage

0912 [Agriculture Dept](#) Accepting Applications for \$1 Billion Rural High-Speed Internet [More info](#)

0908 [U.S. DOE Seeks Input on Biden's \\$10.5 billion Grid Resilience and Innovation Partnership Program](#)

E. CRITICAL INFRASTRUCTURE CLIPS SINCE LAST UPDATE – Details in Appendix F

0920 [SUPPLY CHAIN: FCC Expands Covered List \(of equipment that USF cannot be used to support\) to Include China Unicom and PacNet/ComNet](#)

0920 [CYBER: Ransomware task force outlines threat response](#) // Susan Miller The Joint Ransomware Task Force is designed to unify efforts and identify ways to leverage the federal government's unique authorities and capabilities to disrupt ransomware.

0920 CYBER: [Baker Hostetler: FTC's Latest Staff Report On Dark Patterns: A Warning For Marketing Teams And UX Designers](#)

0920 CYBER: [DHS unwraps \\$1B state and local cybersecurity grant program](#) // Susan Miller Each states will each receive a minimum of \$2 million for FY 22 for a planning committee and a cybersecurity plan that details how it will reduce their cybersecurity risks.

0920 CYBER: [Cyber criminals increasingly relying on ransomware-as-a-service, report says](#) // Chris Riotta

0919 WEATHER: Alaska is reeling from the worst storm in a half century after Typhoon Merbok hit the western part of the state on Saturday, causing widespread flooding and damage across 1,000 miles of the Alaskan coastline. ([The Associated Press](#))

0919 WEATHER: More than 1.3 million customers in Puerto Rico are without power after Hurricane Fiona slammed into the island over the weekend as a Category 1 storm, bringing heavy rains and flooding that led to evacuations and rescues. ([The New York Times](#))

0919 WEATHER: Homes, power lines, roads and at least one bridge were knocked out as Hurricane Fiona swept Puerto Rico over the weekend. islandwide blackout and road-blocking landslides. [Miami Herald \(tiered subscription model\)](#)

0919 DRONES: [DoE: NETL Drone Program Aims to Enhance America's Energy Infrastructure](#)

0919 CYBER: [Natl Sci Fnd: Thinking like a cyber-attacker to protect user data](#)

0918 Communications Infrastructure : [FCC: Hurricane Fiona Communications Status Report - September 18, 2022](#)

0916 Resilience: Electric Power Research Institute uses 35 acres in Lenox, Mass., to stress-test poles, cables, towers and other equipment for power transmission and distribution. r. [E&E News](#)

0914 FIRE – DOI: [Interior Dept: Biden-Harris Wildland Fire Mitigation and Management Commission Charts Path Forward](#)

0916 CYBER: Homeland Security Today: New CISA Strategic Plan Focuses on Cyber Threats, Risk Reduction, Collaboration with Partners (09/16) <https://www.hstoday.us/federal-pages/dhs/new-cisa-strategic-plan-focuses-on-cyber-threats-risk-reduction-collaboration-with-partners/>

0916 WEATHER – FCC ISSUES PROCEDURES TO PROVIDE EMERGENCY COMMUNICATIONS IN AREAS AFFECTED BY TROPICAL STORM FIONA. (DA No. 22-973). OMR PSHSB. [DA-22-973A1.docx](#) [DA-22-973A1.pdf](#) [DA-22-973A1.txt](#)

0916 OUTAGE REPORTING: FCC ACTIVATES DISASTER INFORMATION REPORTING SYSTEM FOR COMMUNICATIONS IMPACTED BY TROPICAL STORM FIONA IN PUERTO RICO AND THE U.S. VIRGIN ISLANDS. (DA No. 22-971). OMR PSHSB. [DA-22-971A1.docx](#) [DA-22-971A1.pdf](#) [DA-22-971A1.txt](#)

0914 CYBER – IRAN: [The Hill: Iranians indicted in hacking scheme](#)

0914 FIRE: [California's Mosquito Fire prompts more evacuations as it races toward mountain communities, burning homes and cars in its path](#)

0914 CYBER - IRAN: CISA, FBI, NSA, U.S. Cyber Command, Treasury, Australian Cyber Security Centre, Canadian Centre for Cyber Security, and United Kingdom's National Cyber Security Centre released a [joint Cybersecurity Advisory](#) (CSA) with technical details on cyber activity by advanced persistent threat (APT) actors assessed to be affiliated with the Iranian Government's Islamic Revolutionary Guard Corps (IRGC). This advisory is an update to our 2021 joint CSA on [Iranian government-sponsored APT actors exploiting Microsoft Exchange and Fortinet vulnerabilities](#).

0912 [Utility Dive: Congress should require FERC, NERC to monitor gas pipeline capacity to ensure reliability, manufacturers say](#)

APPENDIX A

DETAILS OF FREE ONLINE EVENTS

Tuesday, September 20, 2022

3:00 PM ET Telecom Senate Judiciary Subcommittee: [Oversight of Federal Enforcement of the Antitrust Laws](#)

3:00 PM ET Energy: Bureau of Reclamation: [\\$20 M funding opportunity for small surface and groundwater storage](#)

Please [join this webinar](#). To learn more about implementing the Bipartisan Infrastructure Law, please visit www.usbr.gov/bil.

[Interior-Reclam: Biden-Harris Administration announces \\$20 million funding opportunity for small surface and groundwater storage](#) Bipartisan Infrastructure Law funds will support water storage opportunities in the Western United States, Alaska and Hawaii – *The Bureau of Reclamation today announced a funding opportunity through President Biden’s Bipartisan Infrastructure Law for small surface and groundwater storage projects. In the wake of severe drought, surface water and groundwater storage are essential tools in stretching the limited water supplies in the Western United States. These projects will provide Western communities with new sources of water and increase water management flexibility, making water supply more reliable. The Bipartisan Infrastructure Law allocates \$8.3 billion for Bureau of Reclamation water infrastructure projects over the next five years to advance drought resilience and expand access to clean water for families, farmers, and wildlife. The investment will repair aging water delivery systems, secure dams, complete rural water projects, protect aquatic ecosystems and fulfill Indian Water Rights Settlements, including \$100 million for small surface and groundwater storage projects over five years. In fiscal year 2023, \$20 million is available for eligible projects. Funding is available for projects with a water storage capacity between 2,000 and 30,000 acre feet that increase surface water or groundwater storage or convey water directly or indirectly to the storage project. Project sponsors may request cost-shared funding for their project's planning, design and/or construction.* Reclamation will host a webinar on Tuesday, Sept. 20, at 1 p.m. MDT to provide more information on this funding opportunity and answer questions. Please [join this webinar](#). To learn more about implementing the Bipartisan Infrastructure Law, please visit www.usbr.gov/bil. **Information on how to apply for funding** The funding opportunity is available on grants.gov by searching for funding opportunity number R23AS00019. Applications are due to Reclamation on Dec. 9, at 5 p.m. MST. A completed feasibility study must also be submitted to Reclamation no later than Oct. 31, to determine project eligibility under this funding opportunity, using the study requirements Reclamation published in January 2022. Reclamation encourages applicants to submit their completed feasibility study to Reclamation before the October deadline. Eligibility does not entitle a project to any future federal funding or create a new project authorization. Applicants must provide a cost share of 75% or more of the total project costs. To learn more, please visit www.usbr.gov/smallstorage. [Funding opportunity on grants.gov](#)

September 21, 2022

10:00 AM ET Cross Sector Senate EPW: [Business Meeting & Putting the Bipartisan Infrastructure Law to Work: The State and Local Perspectives](#)

The Senate Committee on Environment and Public Works will hold a Business Meeting to consider the following items: Joseph Goffman to be an Assistant Administrator for the

Office of Air and Radiation of the Environmental Protection Agency - Michelle Moore, Robert P. Klein, Beth Pritchard Geer, William Renick, Adam Wade White and Joe H. Ritch to be Members of the Board of Directors of the Tennessee Valley Authority. THEN they have a session on BIF – focused on transportation issues – hearing from (1) Nicole Majeski , Secretary, Delaware Department of Transportation, Regina Romero Mayor City of Tucson, Jimmy Wriston Secretary West Virginia Department of Transportation & Jim Tymon Executive Director American Association of State Highway and Transportation Officials

10:00 AM ET Water: House Committee on Homeland Security: "[Critical Infrastructure Preparedness and Resilience: A Focus on Water](#)"

10:00 AM ET Telecom: Fiber Broadband Association: Millions Left Behind: BEAD Isn't Enough to Close the Digital Divide <https://register.gotowebinar.com/register/2426217967641155853>

How much will it cost to reach universal broadband availability in the United States? Answering that question requires understanding network construction costs, estimating the number of unserved and underserved locations, and defining "broadband" – and that is exactly what Vantage Point Solutions has done in their recent whitepaper, Cost of Bringing Broadband to All. Larry Thompson, PE, co-author of the paper, will discuss the methodology and findings of the report during this Fiber for Breakfast presentation. In particular, he will explain how previous estimates came to be so far off the mark and will share the implications raised by this new research, including – perhaps shockingly – that even the current funding infusion is woefully inadequate to truly finish the job once and for all. And while the cost to bring broadband to all is high, the cost of failing to do so is higher.

10:00 AM ET Telecom: Washington Post: America's Infrastructure investment – NCTA's Powell and NTIA's Berk. <https://aiisept2022.splashthat.com/>

12:00 PM ET Telecom Broadband Breakfast News: – [Broadband Mapping & Data](#)

*Much hinges on the success or failure of the Federal Communications Commissions' updated broadband maps. This fall, the agency is entering into a period of intensive updating in which it is assessing an address-level "fabric" of locations and comparing internet service data received from providers. Now comes the hard part: Providing a framework for broadband users and providers to understand and challenge the FCC's map. The future of the Biden administration's Infrastructure Investment and Jobs Act depends upon it. **Panelists: Scott Wallsten**, President, Technology Policy Institute **Bryan Darr**, Vice President of Smart Communities at Ookla Other panelists have been invited. **Drew Clark** (moderator), Editor and Publisher, Broadband Breakfast **Scott Wallsten** is President and Senior Fellow at the Technology Policy Institute and also a senior fellow at the Georgetown Center for Business and Public Policy. He is an economist with expertise in industrial organization and public policy, and his research focuses on competition, regulation, telecommunications, the economics of digitization, and technology policy. He holds a Ph.D. in economics from Stanford University **Bryan Darr** is the Vice President of Smart Communities at Ookla. He coordinates Ookla's outreach to local, state and federal governments and serves on CTIA's Smart Cities Business & Technology Working Group.*

12:00 PM ET Telecom Georgetown: [Broadband & Tech Industry updates. A conversation with Recon Analytics' President, Roger Entner](#)

A conversation featuring Roger Entner, Analyst and Founder of Recon Analytics LLC, a leading telecommunications, media, and technology research firm. They will compare notes with Roger on the market and regulatory headwinds facing broadband and tech industries heading into Q4. They will also discuss the current thinking on the impact of IIJA, RDOF and BEAD funding on the market for broadband access and broadband providers, the potential for fixed wireless access to take share from cable, the thinking behind a satellite and terrestrial network mash-up and more.

1:00 PM ET Telecom FCC: [Communications Security, Reliability, and Interoperability Council VIII Meeting](#)

2:30 PM ET Cross Sector Senate Committee on Intelligence: [Protecting American Innovation: Industry, Academia, and the National Counterintelligence and Security Center](#)

September 22, 2022

9:00 AM ET Cross Sector : House Committee on Financial Services Subc: [State of Emergency: Examining the Impact of Growing Wildfire Risk on the Insurance Market](#)

9:00 AM ET Energy: US Energy Ass'n: [4th Annual Advanced Energy Technology Forum \(9 to 1 ET\)](#) register [here](#).

9:00 AM ET Telecom: Senate Judiciary: [Executive Business Meeting re: S 673](#)

Business meeting to consider S.673, to provide a temporary safe harbor for publishers of online content to collectively negotiate with dominant online platforms regarding the terms on which content may be distributed - S. 673, Journalism Competition and Preservation Act of 2021 (Klobuchar, Kennedy, Booker, Whitehouse, Graham, Feinstein, Hirono, Blumenthal, Durbin) This bill creates a four-year safe harbor from antitrust laws for print, broadcast, or digital news companies to collectively negotiate with online content distributors (e.g., social media companies) regarding the terms on which the news companies' content may be distributed by online content distributors. R's pushed to make sure there could be no antitrust exemption for "content moderation."

9:00 AM ET Telecom ITIF: The EU's Digital Markets Act: A Triumph of Regulation Over Innovation?

The EU is set to adopt the Digital Markets Act (DMA) this fall, which presents three fundamental challenges: First, it will increase regulatory fragmentation. Second, its disproportionate obligations on the few companies it designates Internet "gatekeepers" and blanket prohibitions on certain types of business practices will be economically detrimental and legally controversial. Third, it will be difficult to implement, as some of its provisions clash with other European regulations. Is the DMA a triumph of regulation at expense of innovation? Please join ITIF's Schumpeter Project on Competition Policy for an expert panel discussion and the release of a new report on the challenges ahead in implementing and enforcing the DMA. [Learn more and register](#).

10:00 AM ET Energy: FERC: Virtual Open Meeting <https://www.ferc.gov/news-events/events/september-22-2022-virtual-open-meeting-09222022> A free webcast of this event is available through <http://ferc.capitolconnection.org/>.

AGENDA HERE : <https://www.ferc.gov/news-events/news/sunshine-notice-september-commission-meeting-0>

A-2 Customer Matters, Reliability, Security & Market Operations AD22-2-000

E-1 Incentives for Advanced Cybersecurity Investment Cybersecurity Incentives RM22-19-000 RM21-3-000

E-2 Data Collection for Analytics and Surveillance and Market-Based Rate Purposes RM16-17-001ER16-775-000 ER11-2649-000 ER10-269-000 ER20-1477-000 ER13-2260-000 ER17-1151-000 ER06-743-000 ER12-2600-000 ER03-769-000 ER13-415-000 ER04-226-000 ER07-1287-001 ER17-1594-002 ER17-923-001 ER09-1689-000 ER15-2693-002 ER12-2233-000 ER16-371-000 ER13-48-000

10:00 AM ET Telecom: Senate Committee on Aging: [“Stopping Senior Scams: Empowering Communities to Fight Fraud”](#)

10:00 AM ET Energy: Senate Committee on Energy and Natural Resources: [Energy Storage](#)

Hearings to examine opportunities and challenges in deploying innovative battery and non-battery technologies for energy storage.

10:00 AM ET Cross Sector House Committee on Homeland Security "[Federal Building Security: Examining the Risk Assessment Process](#)"

10:00 AM Energy: House Committee on Natural Resources: [PROMESA and LUMA Energys Contract](#)

*(Protesters in Puerto Rico are demanding the cancellation of the **contract** with **LUMA Energy** amid seven consecutive electricity price rises and increasing blackouts. Assuming this will be about some related bills that have been introduced).*

10:00 AM ET Water: EPA: Texas Water, Energy, & Emergency Management Virtual Workshop (10 – 4 ET) [Register](#)

This virtual workshop will focus on two key interdependencies with the water sector: energy and emergency services. The workshop will include morning presentations and an afternoon tabletop exercise designed to foster ideas and actions to better prepare for, respond to, and recover from power outages and other multi-sector incidents

12:00 PM ET Telecom FCC: [Virtual Digital Skills Gap Symposium and Town Hall](#)

The goal of the Symposium and Town Hall is to examine the issues and challenges that states and localities face in addressing the need for greater adoption of digital skills training. The Symposium and Town Hall will provide information to attendees on what federal and state government entities, non-profit sector, community-based organizations, and other diverse stakeholders are doing to close the digital divide and advance digital literacy for all Americans. The Symposium will feature a panel discussion to present information on the Digital Equity Act (DEA), the FCC’s Affordable Connectivity Program (ACP), and other efforts to address access to broadband. The panel discussion will examine the following issues, among others:

The FCC’s efforts to close the digital divide and promote digital equity through its Affordable Connectivity Program and other initiatives.

Overview of the Digital Equity Act, including funding aspects, and the DEA’s implications for the Broadband Equity, Access, and Deployment (BEAD) Program and the ACP.

How should equity be defined and how should stakeholders identify the constituencies and populations that remain underserved?

What are the impacts of the persistent digital divide on underserved communities and others left out of the digital ecosystem?

*The importance of states adopting comprehensive digital equity plans.
Best practices and examples of states that have digital equity offices or that are developing plans and procedures to address digital equity.*

The event will also feature a robust Town Hall discussion with experts from a range of perspectives, including faith-based institutions, civil rights organizations, digital literacy services, library services, local government, and Historically Black Colleges and Universities (HBCUs). The Town Hall seeks to highlight several important topics, including:

How to build the case for equity and diversity as the foundation for eliminating America's digital skills gap.

Breaking down the silos between corporate entities, non-profits, and government agencies.

Lessons learned as communities adopt the FCC's Affordable Connectivity Program.

Community-based training programs developed and sponsored by non-profits and faith-based organizations.

The detailed agenda for the Symposium and Town Hall will be released prior to the event. The event will be convened in an online format and will be available to the public via live feed from the FCC's web page at www.fcc.gov/live. The public may also follow the Symposium/Town Hall on the Commission's YouTube page at <https://www.youtube.com/user/fccdotgovvideo>. In addition, the public may follow the event on [Twitter@fcc](https://twitter.com/fcc) or via the Commission's Facebook page at www.facebook.com/fcc. Members of the public may submit questions during the panel discussion and the Town Hall to livequestions@fcc.gov. Members of the public may submit written comments to the FCC's Communications Equity and Diversity Council using the FCC's Electronic Comment Filing System, ECFS, at www.fcc.gov/ecfs. Any comments should be filed in GN Docket No. 17-208.

2:00 PM ET Energy: AGA: Winter Heating Outlook Series Part I: Market Fundamentals [register](#)

Energy prices across the globe and in the United States have become a focus for many Americans. AGA is consistently examining the natural gas market to understand and explain the dynamics of prices and the impacts it will have on customers. Please join AGA for a two-part series to discuss natural gas prices, market conditions, and the upcoming winter heating season. Part 1 will focus on energy market fundamentals and details about what is influencing natural gas prices. Stay tuned for more information on part 2, the Winter Heating Outlook, which incorporates market fundamentals and factors to provide a forecast on the upcoming winter heating season and the steps natural gas utilities take to plan and prepare for changes in the market.

<https://web.cvent.com/event/e091998c-ea68-47aa-8a84-5bc1e946909c/summary>

1:00 PM ET Solar Berkeley Lab: 2022 edition of BL's [Tracking the Sun](#) report

Join us for an upcoming webinar on the 2022 edition of Berkeley Lab's [Tracking the Sun](#) report. This free webinar will be held this Thursday, September 22nd at 10:00 am Pacific / 1:00 pm Eastern. Register for the webinar here: https://lbln.zoom.us/webinar/register/WN_3FHV1Sd4T1ObszUI4Jcdsg The report describes installed prices and system design trends for distributed photovoltaic (PV) systems in the United States. The latest edition is based on data from roughly 2.5 million systems installed nationally through year-end 2021, with preliminary data for the first half of 2022. New to the report this year is an expanded coverage of paired PV-plus-storage systems. The report, data visualizations, public dataset, and other

accompanying materials can all be downloaded or accessed at trackingthesun.lbl.gov. We appreciate the funding support of the U.S. Department of Energy Solar Energy Technologies Office in making this work possible.

2:30 PM ET Telecom Senate Committee on Indian Affairs: [Roundtable discussion "Promoting and Supporting Tribal Access to Spectrum and Related Benefits in Native Communities"](#)

3:00 PM ET Water: NRWA: Beginners Guide to Mapping your system with High-Accuracy GPS [Register Now](#)

Do you need a digital map that shows all your assets? Have you got staff retiring, or wish you had a laser-guided shovel when a line needs to be dug up, or just wish you could find assets faster in the field? Now imagine this map is not only accurate, but able to be updated in real-time by your field workers — on any mobile device, with quality assurance. In this 60-minute webinar sponsored by Canadian GPS manufacturer (and NRWA partner) Eos Positioning Systems, you will learn the following:

Industry drivers for having a digital map of your water system

An example of a rural water district that is successfully deploying accurate, digital maps of their systems in Kentucky

Best practices for transitioning from manual data entry to a completely online data-collection workflow

Understanding from a manager's perspective what is involved in a successful mapping system

How you can save money and respond to field events faster with accurate maps

Learn about the latest innovations in mobile apps and GPS receivers from industry experts

Expert advice and Q&A from the thought leaders driving this GIS and GPS technology

3:00 PM ET Energy: EPA: Supporting Air Quality and Climate Change Planning with [GLIMPSE](#) (Energy System focus tool) [Register](#)

EPA's Office of Research and Development (ORD) is developing a modeling framework called [GLIMPSE](#) that has the potential to explore a wide range of topics of interest to state air quality managers. GLIMPSE focuses on the energy system, which includes energy production, transformation in refineries and power plants, and use in buildings, industry, and transportation. GLIMPSE allows users to simulate how the energy system may evolve at the state level through 2050, including how it responds to new and emerging technologies (e.g., electric and hydrogen vehicles) and existing and potential policies (e.g., technology subsidies and clean energy standards) under certain user-defined scenarios. GLIMPSE can also suggest cost-effective strategies for achieving air pollutant and GHG reduction targets simultaneously. GLIMPSE outputs include the market shares of energy technologies, fuel use and prices, and air pollutant and greenhouse gas emissions. As states tackle the dual challenges of attaining air quality standards and meeting greenhouse gas reduction targets, GLIMPSE has the potential to be a valuable tool in the planning process. This presentation will provide a preview to GLIMPSE, demonstrate its use for multi-pollutant planning, and recruit modelers from states to be beta-testers.

7:00 PM ET Energy: FERC : Scoping meeting: Gregory County Pumped Storage Project (P-14876-002)

At the scoping meetings, Commission staff will: (1) initiate scoping of the issues; (2) review and discuss existing conditions; (3) review and discuss existing information and

identify preliminary information and study needs; (4) review and discuss the process plan and schedule for pre-filing activity that incorporates the time frames provided for in Part 5 of the Commission's regulations and, to the extent possible, maximizes coordination of federal, state, and tribal permitting and certification processes; and (5) discuss the potential of any federal or state agency or Indian tribe to act as a cooperating agency for development of an environmental document. Meeting participants should come prepared to discuss their issues and/or concerns. Please review the PAD in preparation for the scoping meetings. Directions on how to obtain a copy of the PAD and SD1 are included in item n of this document.

Virtual site tour of the project Access online at: <https://www.mrenergy.com/energy-resources/gregorycounty-pumped-storage-project>

Meeting for the general public: Thursday, September 22, 2022 6:00 p.m. - 8:00 p.m. CDT
Call in number: (800) 779-8625 Access code: 3472916 Following entry of the access code, please provide the required details when prompted

September 23, 2022

10:00 AM ET Energy: FERC: NAESB Gas-Electric "Interdependency" Forum (10 – 1 ET)

NAESB Gas-Electric Forum will follow the below plan to address the request of the Chairman of the Federal Energy Regulatory Commission (FERC), Richard Glick, and the President and CEO of the North American Electric Reliability Corporation (NERC), Jim Robb, contained in the letter submitted to NAESB leadership on July 29, 2022. **This is an open meeting and all interested parties are welcome to attend. To participate in this meeting, please register through the following hyperlink:**

https://us06web.zoom.us/webinar/register/WN_MDDWtkKNQF-paKbnySnjoQ

APPENDIX B – ENERGY SECTOR NEWS

0920 Hydrogen: [Fox News: Midwestern states team up to expedite development of infrastructure for hydrogen energy](#)

0920 Solar: Lawrence Berkeley Lab : 2022 edition of Berkeley Lab's [Utility-Scale Solar](#) report released – analyzes record deployment and higher value in 2021. We are pleased to release the 2022 edition of Berkeley Lab's [Utility-Scale Solar](#) report, which presents analysis of empirical plant-level data from the U.S. fleet of ground-mounted photovoltaic (PV), PV+battery, and concentrating solar-thermal power (CSP) plants with capacities exceeding 5 MW_{AC}. While focused on key developments in 2021, this report explores trends in deployment, technology, capital and operating costs, capacity factors, the levelized cost of solar energy (LCOE), power purchase agreement (PPA) prices, and wholesale market value among the fleet of utility-scale solar (and PV+battery) plants in the United States. The report, published in slide-deck format, is accompanied by a narrative summary briefing, interactive data visualizations, and a public data file, all available through the link above. The authors will host a free webinar summarizing key findings from the report on September 28, 2022, at 10:00 AM PT/1:00 PM ET. Please register for the webinar here: https://lbnl.zoom.us/webinar/register/WN_hQmjF-kUQpaoLtQ6UDedsg The following are a few key findings from the latest edition of the report.

A record amount of new utility-scale PV capacity achieved commercial operations in 2021. Annual capacity additions of 12.5 GW_{AC} brought cumulative installed capacity to 51.3 GW_{AC} across 44 states (see map below). Texas (3.9 GW_{AC}) added by far the most new capacity in 2021, followed by California (1.2 GW_{AC}), Florida (1.1 GW_{AC}), and Virginia and Georgia (both with 0.9 GW_{AC}).

Rising wholesale electricity prices boosted solar's market value by 50% on average in 2021, to \$47/MWh. This increase in solar's combined energy and capacity value outpaced the more-modest rise in PPA prices, thereby improving solar's competitiveness (see graph below).

Solar's market value also exceeded average electricity prices in most regions in 2021. Exceptions include ERCOT, CAISO, Nevada Power, and ISO-NE. Compared to 2020, however, solar's relative value versus a "flat block of power" contracted in 13 of the 17 regions analyzed.

2021 was also a record year for PV+battery hybrid plants. Adding battery storage to shift a portion of excess mid-day solar generation into evening hours is one way to increase the value of solar. These PV+battery hybrid projects are becoming increasingly common, particularly in higher-penetration markets. In 2021, 47 PV+battery hybrid plants totaling 3.5 GW_{AC} of PV and 2.2 GW / 6.9 GWh of battery storage achieved commercial operations, while many additional hybrids entered the development pipeline. The report presents plant metadata, including installed costs and PPA prices, from a subset of these online and in-development PV+battery hybrids.

A massive pipeline of utility-scale solar plants dominate the interconnection queues across the country. Looking ahead, at least 674 GW of solar capacity was in the nation's interconnection queues at the end of 2021. Nearly 284 GW, or 42%, of that total was paired with a battery. All of the data and analysis presented in this 2022 edition of [Utility-Scale Solar](#) pre-dates the passage of the *Inflation Reduction Act of 2022*. This new law, with its many incentives aimed at stimulating clean energy deployment, is likely to have a significant impact on the utility-scale solar market in future years, potentially accelerating some trends and slowing others, while also creating new developments altogether. We look forward to tracking the industry's progress in future editions of this report.

0920 Steve Mitnick at PUF: Electric Rate Inflation: Residential electric rates were 15.8 percent higher in August than they were in August of last year on average nationally. According to last week's Consumer Price Index report. The numbers regionally varied a lot. Rates were 19.5 percent higher in the northeast. And 18.4 percent higher in the south. Both these regions were well above the national average. But they were 10.2 percent higher in the west. And 12.0 percent higher in the midwest. Both these regions were well below the national average. The regional differences make sense. The northeast and south are especially dependent on natural gas-fired generation. While the west and midwest are less dependent on gas-fired generation. According to last week's Producer Price Index report, natural gas prices paid by generation owners were 43.9 percent higher in August than they were in August of last year on average nationally. The overall CPI for all goods and services was 8.3 percent higher this August. That's a national average. Regionally, the overall CPI was up 8.9 percent in the south while it was up 7.4 percent in northeast. And it was up 8.1 percent in both the west and midwest. So, the overall CPI numbers varied much less than did the electric rate numbers.

0920 Nuclear: DOE could provide stronger federal oversight of its nuclear energy demonstrations and improve project performance by using external independent reviews in an effort to avoid cost overruns and failed projects, according to a new report from the Government Accountability Office. The report focused on two DOE offices tasked with overseeing three large planned advanced nuclear technology demonstrations — NuScale Power's Carbon Free Power Project in Idaho, TerraPower's Sodium demonstration in Wyoming and X-energy's Xe-100 demonstration in Washington state — which have received \$4.6 billion in agency funding. ([E&E News](#))

0920 Machin Permitting Bill: [Revenge? Republicans weigh tanking Manchin's permitting plan](#) *Caitlin Emma et al., Politico* Speeding up energy project construction is a long-held GOP policy goal. That doesn't mean the party's senators are ready to cough up the votes.

0920 Climate - [Researchers Hit With Lawsuits, Records Requests for Fact-Checking Climate Claims](#) *Margi Murphy, Bloomberg* Researchers say the demands, some from groups with fossil fuel ties, attempt to muzzle their voices.

0920 Solar - [Why does Duke Energy's carbon plan shortchange solar?](#) *Canary Media* The utility wants to build new gas plants. Its critics want it to build far more solar and batteries. North Carolina regulators have until year's end to decide.

0920 Solar: [Why solar 'tripping' is a grid threat for renewables,](#) *E&E News* May 9th of last year was supposed to be a typical day for solar power in west Texas. But around 11:21 a.m., something went wrong.

0920 Solar: [Home Solar Firm Sunnova Energy Pushes Into Commercial Sector](#) *Bloomberg* Texas firm sees more value from going beyond rooftop solar.

0920 SPR - [U.S. refiners eye Canadian oil once strategic reserve turns off taps](#) *Reuters* U.S. refiners are expected to buy more Canadian oil after the Biden administration ends releases from the Strategic Petroleum Reserve (SPR) this fall, traders said, adding this should boost the price of Canadian barrels at a time of tight global supply.

0920 Oversight: Puerto Rican officials are rethinking putting private operators in charge of electricity services, according to people familiar with the matter, as the island turns to rebuilding after Hurricane Fiona slammed into it over the weekend, causing the power grid to fail even before the storm made landfall. A contract with Luma Energy LLC is set to expire in November and is expected to be extended for another 15 years, but government officials are considering options for seeking concessions from the private venture utility, including crafting contingency plans in the event that the contract is canceled early or negotiations break down, those familiar with the matter said. ([The Wall Street Journal](#))

0920 DER Integration: [Florida Phoenix: Amid a massive American clean energy shift, grid operators play catch-up](#)

0920 Hydro: [Sentinel-Stand: Consumers Energy gathering feedback on Ionia County's Webber Dam](#)

0920 DER Integration: [EE Online: FERC accepts ISO-NE tariff revisions to streamline interconnection process for distributed energy resources](#)

0919 [DEI: Sens. Warner, Kaine introduce bill to give public more say in pipeline proposals](#)

0919 LNG: Cheniere Energy and Whistler Pipeline will form a joint venture to build a natural gas pipeline that will extend 43 miles from Whistler's terminus in Agua Dulce, Texas, to Cheniere's Corpus Christi liquefied natural gas facility on the Texas Gulf Coast. The ADCC Pipeline will have an initial capacity of 1.7 billion cubic feet per day, expandable to 2.5 Bcf/d, and is expected to come online in 2024. [S&P Global](#)

0919 SPR Depletion: DOE is accepting bids until Sept. 27 for the sale of an additional 10 million barrels of oil from the Strategic Petroleum Reserve. The department will award contracts by Oct. 7, with deliveries slated for November.[S&P Global](#)

0919 Manchin Permitting Deal: [GOP's bad blood threatens Manchin side deal](#) *The Hill*: But now Republican senators say a continuing resolution combined with Manchin's permitting reform proposal probably won't get 10 GOP votes in the upper chamber

0919 Reply Comments filed in "Building for the Future Through Electric Regional Transmission Planning & Cost allocation & Generator Interconnection" RM21-17-000

09/20/2022 LS Power Grid, LLC submits Errata to Partial Reply Comments

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=8241643F-6752-CD5E-8E26-835B24600000>

Reply of VEIR Inc. <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=30B98136-7A2C-C6F5-9FA4-835AC3300000>

Reply of Fervo Energy Company <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=F177B332-4C67-C376-9E7D-835AC1500000>

09/19/2022 Reply of the California Municipal Utilities Association

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=6881A8D0-D676-C36A-9C32-835795700000>

Reply of Cypress Creek Renewables, LLC <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=651B1853-FCF8-C1AC-98E2-835792600000>

Reply of the Midcontinent Independent System Operator, Inc.

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=9E4A7C78-4358-C401-9F21-835789B00000>

Joint reply of Arizona Public Service Company, Avista, and Portland General Electric Co.

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=3BFE3C72-F97E-C6B4-8ACE-835788E00000>

Reply of MISO Transmission Owners <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=EBF1F2F9-90DD-C9DE-9F68-835785700000>

Reply Comments of R Street Institute <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=041427DF-89C4-CA8B-9C3E-835783700000>

Comments of Maryland Energy Administration <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=4EBCB1BC-5D24-C02F-9AD1-835782F00000>

Reply of the Office of the People's Counsel for the District of Columbia and the Maryland Office of People's Counsel

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=E0431E81-FCE2-C7C8-A631-835782600000>

Reply of Transource Energy, LLC <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=154EEB49-A542-CB6B-A6F8-835780100000>

Reply Comments of American Municipal Power, Inc. <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=5A69F8B1-5650-C598-9A25-83577FE00000>

Reply of the American Council on Renewable Energy <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=4DF38A34-7E7C-CC93-9F9E-83577FA00000>

Partial Reply of LS Power Grid, LLC .

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=614D6FA6-E008-C081-98DE-83577F500000> <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=2BA5D539-C558-C930-A0CB-83577F500000> <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=E8A4EDE9-6F63-CA52-ABEA-83577F500000> <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=68727715-5F39-CAB7-B039-83577F500000>

Reply of California Independent System Operator Corporation

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=C447DD64-912F-C004-9DD7-83577EF00000>

Reply Comments of Virginia Office of the Attorney General

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=1EB7588E-126D-C430-9E0E-83577EA00000>

Limited Reply of Entergy Services, LLC, et. al. . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=BB6B582-F828-C9FC-B5F4-83577E700000>

Reply of Developers Advocating Transmission Advancements .

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=D7B35F46-CF91-CBFF-829A-83577E000001>

Reply of The California Public Utilities Commission . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=420199F1-71E2-CA72-913E-83577DA00000>

Reply of the Electricity Transmission Competition Coalition .

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=C5B03F62-7469-CA6C-9E5D-83577D400000>

Motion to Intervene and Comments in Opposition of the State of Texas & Utah et al. .

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=79CCBA30-DE92-C5D1-9FFD-83577C700000>

Reply of Americans for a Clean Energy Grid . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=E0F0823B-08B6-C12A-93DA-83577BC00000>

Reply of WATT Coalition . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=E4BF9DB3-5195-CD04-9C11-83577B100000>

Reply of the Conservation and Renewable Energy (CARE) Coalition .

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=86A146A9-65C3-C8AC-9E7A-835779F00000>

Reply of Alliant Energy Corporate Services, Inc., Consumers Energy Company, and DTE Electric Company .

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=2AF8A446-76D7-CE57-A985-835779700000>

Joint Reply of American Public Power Association, et. al. .

<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=85BC82D3-9B8C-CDEF-ACC4-835778C00000>

Reply of the American Clean Power Association, et al. on Notice of Proposed Rulemaking
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=608F3535-596F-CA39-B1F5-835777F00000>

Joint Comments of Greater Grand Rapids Chapter of the National Association for the Advancement of Colored People .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=805C6A8D-BCA7-C5DE-A51E-835775B00000>

Reply of the Edison Electric Institute . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=0CC131AE-3251-C897-8733-83576A100000>

Comments of Dominion Energy Services, Inc. . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=7A512231-24E4-C413-9C38-835765B00000>

Reply of New York Transco, LLC . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=84B555CD-2860-C87A-91D0-835765500000>

Limited Supplemental Reply of LS Power Grid, LLC to Comments of PJM Interconnection, L.L.C. .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=2ABBCCCA-0D99-C4A0-9E61-835764F00000> <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=914E3910-A3D7-C365-A632-835764F00000> <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=6A2794F4-B1B2-C843-ADBD-835764F00000>

Reply of the Office of Ohio Consumer Counsel . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=B05E226D-3A6B-CE8A-9C36-835761200000>

Comments of the State Water Contractors . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=765EF925-A391-C343-AF8F-83575EB00000>

Reply of Invenergy Solar Development North America LLC, et. al. .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=31FD4A85-ACBA-C786-A856-83575E600000>

Reply International Transmission Company, et al. . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=9E5CD211-F14F-CBB0-9D8F-835757D00000>

Reply of the American Public Power Association . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=97BEE2E4-D489-C031-9D32-835756F00000>

Reply of Public Interest Organizations . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=0FB53BBF-42C9-C6FB-B22D-835756700001>

Reply of The Industrial Customer Organizations . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=602DFDBF-0B13-CEC2-9E53-835755800000>

Reply of American Electric Power Service Corporation .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=B87D24A9-F541-CC24-A762-835752000000>

Reply of PJM Interconnection, L.L.C. . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=49D27359-E8A0-C9CC-9985-83574AB00000>

Reply of NextEra Energy, Inc. . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=37CC32ED-62F2-CB66-9AB3-83574A500000>

Reply The Electricity Transmission Competition Coalition .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=7AFB4344-6D92-C63D-9FF8-835749F00000>

Reply of The ITM Coalition . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=0F4AD0E7-6BCA-CC69-9E27-835748800000>

Comments of ENGIE North America Inc. . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=ABF96EA0-8CA3-C008-9FEC-835747E00000>

Comments of WIRES . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=42A98869-C164-C7E4-9D93-835747300000>

Reply of The Large Public Power Council . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=938E6DD2-6DE3-CEA4-9E5A-835746B00000>

Comments of New Jersey Board of Public Utilities . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=6F243C66-68B3-C393-9E5A-835745C00000>

Reply of Americans for Fair Energy Prices, Inc. . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=F56E9777-82B2-C76F-9061-835745200000>

Reply of ISO New England Inc. . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=AD808499-4D3E-C7D6-9ED7-835744400000>

Reply of Advanced Energy Economy . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=5280566A-F55D-C8B7-9B5E-835743500000>

Reply of Avangrid, Inc. . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=A724458E-31C4-CE14-9B24-835742F00000>

Reply of Southern Company Services, Inc. . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=37E0CB0B-A2CE-CD7A-8C27-835742400000>

Reply of Xcel Energy Services Inc. . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=BBE7A908-4057-CC1A-9DC3-835741B00000>

Reply of Hannon Armstrong Sustainable Infrastructure Capital, Inc. .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=26154E5E-B31F-CDB9-84F4-835741100000>

Comments of the Southern Renewable Energy Association .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=49641B86-B8D1-C3B3-92F4-835740400000>

Reply of the Indicated PJM Transmission Owners . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=E0B76343-496C-C6D1-AF98-83573F900000>

Reply of Interwest Energy Alliance . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=155BF682-0ACA-C5CF-887D-83573EA00000>

Reply Ameren Services Company . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=4D307100-6488-C73A-90B9-83573E200000>

Reply of the Resale Power Group of Iowa . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=8D7C83A8-59A1-CA80-9374-83573D000000>

Reply of Belmont Municipal Light Department, et. al. . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=F7EB6DDE-2093-CCF8-94FB-83573C800001>

Comments of Wisconsin State Senator Julian Bradley and Representative David Steffen .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=14D836DB-F7E2-CFB8-9217-83573B500000>

Southeastern Regional Transmission Planning Process Sponsors' Reply Comments .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=0822F222-94CB-CE25-9BF9-835703B00001>

Reply of the Institute for Policy Integrity at New York University School of Law .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=99534DBD-AB64-C7F2-9330-835703100000>

Reply of Anbaric Development Partners, LLC . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=1E41B682-9B6D-C750-9ECC-8356FFB00000>

Reply of the City of New York . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=AE911E56-C568-CC13-9E4A-8356F6600000>

Reply of Massachusetts Attorney General Maura Healey .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=D62C8ED8-FCAF-CFD9-99E2-8356F6100000>

Reply of Utah Division of Public Utilities . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=40CDA1BB-5275-C3F4-9BDF-8356F5400000>

Reply of Transmission Access Policy Study Group . <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=5A686411-9B73-C892-9F01-8356F2E00000>

Reply of the National Rural Electric Cooperative Association .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=91159178-E8E1-C857-9E9D-8356F2300000>

Reply of Kentucky Public Service Commission Chairman and Commissioner Kent A. Chandler .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=1A830B2C-3DD8-C069-9230-8356EC700000>

Reply Comments of Eversource Energy Service Company .
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=68BF9A3E-BF26-CD04-A351-8356E5F00000>

Comments of CT Dept of Energy & Environmental Protection
<https://elibrary.ferc.gov/eLibrary/filedownload?fileid=E972E104-0D1E-C793-9DCD-8356DA400000>

Reply of the Mississippi Public Service Commission <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=876E5A3C-0C08-C102-9CBD-8356D6B00000>

Reply of the Clean Energy Buyers Association <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=AEC22988-A8B2-C48A-9312-8356D3C00000>

Reply of Louisiana Public Service Commission <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=8239EA5F-73BF-CFF1-B2B6-8356CEF00000>

Reply of Pattern Energy Group LP <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=9F825617-EBA5-C017-90DE-8356BA700000>

Reply of Pacific Gas & Electric <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=22C15CA1-5F38-CA88-9F58-8356B9E00000>

Reply of Transmission Dependent Utility Systems <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=192068B0-A600-C3BC-9B2A-8356A1500000>

Reply of Solar Energy Industries Association <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=95D00EFF-2079-CA10-9EFA-8356A0A00000>

Reply of Southeast Public Interest <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=95D00EFF-2079-CA10-9EFA-8356A0A00000>

Comments of American Transmission Company LLC <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=19979396-D3CB-C59B-B221-83565FE00000>

Reply of Citizens Energy Corporation <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=AB249FD9-4B09-CC21-9CAB-83565B000000>

Reply of New England States Committee on Electricity <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=B2FDF1B1-A388-CDCB-846A-835657E00000>

Reply of Organization of PJM States, Inc. <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=BD571D1B-690E-CED8-9D1A-835648500000>

Union of Concerned Scientists under RM21-17. <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=E9D70148-195B-C8CA-9C9B-835643D00000>

KS Industrial Consumers Group, Inc. & KSans for Lower Electric Rates, Inc <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=5EDA74F3-B119-CC70-9F43-835618300000>

Reply of Michigan AG and CUB of Michigan <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=4D327268-B7EE-C237-9EA7-8355E5200000>

Reply of Shell Energy North America (U.S.), L.P <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=97C0631D-4FE6-C810-9FC2-8355C3D00000>

09/06 MISO Transmission Owners submits revision to initial comments <https://elibrary.ferc.gov/eLibrary/filedownload?fileid=3DB875E7-0BD0-CA33-ADE3-831432800000>

0919 Enviros challenge EU decisions to include natural gas and Nuclear in sustainable fiancé taxonomy. A group of environmental organizations have launched legal challenges against the EU's decision to include natural gas and nuclear energy in its sustainable finance taxonomy. "Gas is a leading cause of climate and economic chaos, while there is still no solution to the problem of nuclear radioactive waste and the risk of nuclear accidents is far too significant to ignore," said Ariadna Rodrigo, sustainable finance campaigner at Greenpeace EU. [The Associated Press](#)

0919 Solar: [Rep. Mike Levin Leads Letter Urging CPUC Not to Undermine Solar Incentives in Updated Net Energy Metering Proposal](#)

0919 House R's on focus if House flips as currently predicted: Media Wrap-Up: Leader Rodgers Previews Top E&C Priorities -Don't miss these highlights from [Punchbowl News](#), [Bloomberg Law](#), and [E&E News](#), of House Energy and Commerce Committee Republican Leader Cathy McMorris Rodgers (R-WA) previewing top priorities for Energy and Commerce Republicans, including oversight over the Biden administration.

PUNCHBOWL NEWS: Exclusive Interview with Cathy McMorris Rodgers - On Thursday, [Leader Rodgers joined Punchbowl News'](#) Jake Sherman and Anna Palmer for a discussion of her priorities for Republicans on the Energy and Commerce Committee.

HIGHLIGHTS:

ON FLIPPING THE SWITCH ON AMERICAN ENERGY PRODUCTION: "We're going to stop the war that's been waged on American energy. We have abundant energy resources, ingenuity, and new technologies that are so important to affordability, reliability, as well as our energy security and national security. "I am quite disheartened by the [Democrats'] political agenda that seems to be dominated on energy that is making us more dependent upon Chinese supply chains and our foreign adversaries."

HOLDING BIG TECH ACCOUNTABLE: Leader Rodgers said she was concerned about "the amount of data that's collected that has been stored in China" from TikTok and explained the dangers of Snapchat. "I will put

Snapchat up there too. There are a number of examples of individuals that have purchased a pill laced with fentanyl unknowingly off Snapchat and died. I have stories in my own district. And they're not being held accountable for criminal activity."

ON E&C'S AUTHORIZING RESPONSIBILITIES: "Clearly, it's time to authorize the CDC. We're the authorizing committee. We're the committee of jurisdiction. That's fundamental to our role as elected representatives of the people to determine the mission and give direction to these agencies. "The CDC has never been authorized. The NIH's authorization ended in 2020. Many of the agencies within the Energy and Commerce Committee need to have their authorization updated. That is our fundamental responsibility. "I've seen Dr. [Rochelle] Walensky, the CDC Director's, review. She's asking for more money and more authority. Well, Congress is the one that needs to authorize that. "This is just so fundamental to our oversight efforts as well as building trust. Because the trust among the public health agencies has been shattered, especially during COVID in the last couple of years. Restoring trust also means bringing accountability. I believe it's important that we are drafting the authorization to give that clear direction."

ON COVID-19 OVERSIGHT: "We need to answer the question of where COVID-19 originated. That's fundamental to informing our decisions moving forward. "Overall, regarding the COVID response, the lockdowns, the decisions that were made in response to COVID, we want to look at the decisions that were made, what drove those decisions, and how we might want to approach that in the future. "This generation of school aged kids that have been impacted. Their education has been impacted. We have a mental health crisis among our kids due to the lockdowns and the decisions that were made in that moment that did not take into consideration any other factors." [CLICK HERE](#) to watch the full conversation.

IN E&E NEWS: "Ready to go on oversight." **KEY HIGHLIGHTS as reported by E&E:** *Aside from legislation, the ninth-term legislator expects Energy and Commerce to ramp up oversight of a range of energy and environmental agencies. "We're anxious, we have a lot of [oversight] work to do, and we are ready to go at it," said McMorris Rodgers. She said EPA, the Department of Energy, the Federal Regulatory Energy Commission and the Nuclear Regulatory Commission should all be ready for oversight sessions next year if she's wielding the gavel. McMorris Rodgers said she is especially interested in hearings to explore how agencies are operating in the wake of this summer's Supreme Court ruling on West Virginia v. EPA, which limited the agency's power to broadly regulate emissions. Conservatives saw the ruling as an opening to challenge the scope and authority of other federal regulators. "Where agencies are going beyond their authority, it's very important that we hold them accountable," she added. [CLICK HERE](#) to read the full coverage.*

IN BLOOMBERG: Rodgers said she sees a "real crisis of confidence" in federal health agencies. KEY HIGHLIGHTS, as reported by Bloomberg Law: *House Republicans aren't waiting for next year to demand documents from the Biden administration about the federal response to the Covid pandemic and the role of key presidential advisers. Republicans want to use a procedural tool—known as a resolution of inquiry—in the coming weeks to advance investigations into areas ranging from Health and Human Services Secretary Xavier Becerra's role as a Covid adviser to oversight of research conducted in China at the start of the pandemic. "There are so many questions that need to be answered about the government's response to Covid-19," Rep. Cathy McMorris Rodgers (R-Wash.), ranking member of the House Energy and Commerce Committee, said in an interview. "How the pandemic started, that's probably the most important public health question that needs to be answered." [...] The resolutions include demands for: information around how much Covid funding remains and how many tests and vaccines were purchased (H. Res. 1263); documents related to oversight of the Wuhan Institute of Virology laboratory (H. Res. 1267); records of HHS Secretary Becerra's role in the Covid response (H. Res. 1268); and plans for dealing with the rise in fentanyl-related overdose deaths (H. Res. 1274). [CLICK HERE](#) to read the full coverage.*

0919 Energy Efficiency: Better Plants Partners Save \$10.6 Billion in Energy Costs Today, the U.S. Department of Energy (DOE) released the [2022 Better Plants Progress Update](#). The report highlights the leadership of more than 270 manufacturers and water utilities who partner with DOE to increase energy and water efficiency. Collectively, these partners have saved \$10.6 billion in energy costs, 2.2 quadrillion British thermal units (Btus) of energy, and more than 130 million metric tons of CO₂. As part of the Better Buildings Initiative, Better Plants works with industrial partners to develop, implement, and share technologies and best practices to increase energy and water efficiency and reduce greenhouse gas emissions in manufacturing plants and other industrial facilities.

Partners represent every major U.S. industrial sector, comprising 14% of the domestic manufacturing footprint and 3,600 facilities across the country. Better Plants partners voluntarily pledge to reduce portfolio-wide energy intensity by 25% over 10 years. DOE works with partners to meet their goals by providing technical assistance, peer-to-peer learning, technology validation and training, and workforce development. To date, Better Plants partners have achieved more than 75 energy or water goals. Highlights from the 2022 Better Plants Progress Update include:

Legrand North & Central America, Deschutes Brewery, Nestlé Health Science, and Intertape Polymer Group achieved their energy intensity reduction goals in the past year.

More than 60 industrial organizations to date have joined DOE's [Better Climate Challenge](#), a national public-private partnership calling on organizations to cut greenhouse gas emissions by 50% in 10 years and share their solutions with the market.

11 new partners joined the Better Plants program: Acuity Brands Brose North America DENSO Corporation Entegris The Hershey Company Hollingsworth and Vose Lopez-Dorada Foods Michael Foods Nestlé Phoenix Closures West Lafayette Water Resource Recovery Facility 7 new partners joined the Better Plants Challenge ABB BorgWarner Brewery Vivant/Broad Leaf Brewery & Spirits The Chemours Company Emerson Lear Corporation Trane Technologies

Partners hosted 13 peer exchanges on pressing topics in industrial decarbonization from carbon accounting and reporting to renewables, electrification, and more

DOE conducted Virtual In-Plant Trainings (VINPLTs) over the past two years to enable remote workforce learning opportunities during the pandemic. In just the past year, seven virtual in-plant trainings have resulted in 500 trained workers and the identification of more than \$400 million worth of energy cost savings.

Better Practice and Better Project Awards were presented to 17 partners to recognize their leadership in adopting innovative energy-efficiency solutions.

For more information, read the full [2022 Better Plants Progress Update](#). *Better Plants is part of the Better Buildings Initiative, through which DOE partners with public and private sector organizations to make commercial, public, industrial, and residential buildings more efficient, thereby saving energy and money while creating jobs. To date, more than 900 Better Buildings partners have shared their innovative approaches and strategies for adopting energy efficient technologies. Discover more than 3,000 of these solutions in the [Better Buildings Solution Center](#).*

0919 Solar: [The US solar industry has a supply problem](#) Matt Blois, *Chemical and Engineering News* China's control of solar manufacturing puts the sector at risk of disruption.

0919 Energy Policy: [Interior: 'NEPA no longer applies to Lease Sale 257'](#) *E&E News* The Biden administration Friday urged a federal appeals court to end litigation over a massive lease sale in the Gulf of Mexico after the sale was reinstated under the Inflation Reduction Act.

0919 Solar - [Minnesota PUC approves Xcel Energy's 460-MW solar project to replace Sherco coal-fired generation](#) *Ethan Howland, Utility Dive* The Minnesota Public Utilities Commission on Thursday approved Xcel Energy's plan to build and own 460 MW of solar next to its roughly 1,780-MW coal-fired Sherco power plant, which is being retired in phases this decade.

0919 [Fox News: West Virginia governor torches Democrats' energy agenda: How can anybody defend what's going on in DC?](#)

0918 EVs - [US Senate passes bill to maximize EV battery recycling for federal fleet vehicles](#) *Megan Quinn, Utility Dive* Sponsors of the bipartisan bill say the federal government needs a plan to bolster recycling and reuse of EV batteries, to lessen U.S. dependence on international markets for battery components.

0918 EVs - [The Affordable Electric Vehicle Is Still Mostly Fantasy](#) *Kyle Stock, Bloomberg* With battery supplies tight and customers eager, car companies are only cranking out expensive EVs.

0918 FERC Chairman's Term ends in December.....[FERC's murky leadership future could derail U.S. climate goals](#)

Catherine Morehouse, Politico Chair Richard Glick has spent the past two years pushing the adoption of policies he advocated as a minority voice on the commission....A spokesperson for Manchin's office said there is no update on when Glick might be brought in front of the ENR committee.

0918 CCS: [Climate law spurs CCS at new West Virginia gas plant](#) *Carlos Anchondo, E&E News* Competitive Power

Ventures Inc. announced plans Friday to build a multibillion-dollar natural gas power plant in West Virginia with carbon capture technology, saying the project would not be possible without the new climate and energy law.

[After climate bill passage, WV natural gas plant unveiled](#) *John Raby, The Associated Press* A Maryland company announced Friday it will build a natural gas power plant designed to capture climate-changing carbon in West Virginia. Officials said it was made possible by a recently signed law embraced by Democratic Sen. Joe Manchin that gives tax breaks for alternative energy projects.

0918 Standing: [Virginia judge dismisses youth climate change lawsuit](#) *The Associated Press* A Virginia judge on Friday

dismissed a lawsuit filed on behalf of 13 young people who claim that the state's permitting of fossil fuel projects is exacerbating climate change and violating their constitutional rights.

0918 Manchin Permitting Deal: Democratic leadership is keeping under wraps the details of an energy permitting reform deal secured by Sen. Joe Manchin, D-W.Va., much to the chagrin of other lawmakers, who have only seen an outline of the plan. "There's a reason they're keeping it secret: it's either still being negotiated or it's so weak it has no meaning or it's too strong for other people," said Sen. Shelley Moore Capito, R-W.Va. [The Hill](#)

0918 Fossil Fuel "Registry": Carbon Tracker and Global Energy Monitor today are rolling out the Global Registry of Fossil Fuels, the first large-scale public database of the world's fossil fuel production, reserves and emissions, with data for more than 50,000 oil, natural gas and coal fields in 89 countries (collected? verified? By who? . . . Carbon Tracker founder Mark Campanale - who hopes the database will help environmental groups and investors challenge companies' and governments' fossil fuel production plans and pressure them to move the needle on climate action. [Associated Press](#)

0918 Energy Prices: WSJ: Electric Bills Soar Across the Country as Winter Looms - Rising natural-gas prices are expected to make it more expensive to light and heat homes in the coming months - From New Hampshire to Louisiana, customers' electricity rates are increasing. The Energy Information Administration anticipates the residential price of electricity will average 14.8 cents per kilowatt-hour in 2022, up 7.5% from 2021. The agency forecasts record gas consumption this year amid surging prices, in part because power producers are limited in their ability to burn coal instead due to supply constraints and plant retirements.....Eversource Energy, a utility company that serves about four million electric and natural-gas customers in Connecticut, Massachusetts and New Hampshire, last month implemented an unprecedented price increase for customers in New Hampshire. Rates more than doubled from about 10.67 cents to 22.57 cents a kilowatt-hour and will remain at that level through January.

0917 Fusion: Nuclear Regulatory Commission staff white paper evaluates ways to classify and regulate fusion energy systems to inform the creation of an appropriate regulatory framework for fusion by 2027. The paper proposes treating fusion devices as either utilization facilities, byproduct material facilities or a combination of the two.: [Forbes \(tiered subscription model\)](#)

0916 Natural Gas: US natural gas production growth is struggling to keep up with surging foreign and domestic demand, putting further pressure on already strained gas inventories and making them vulnerable to weather shocks, writes analyst John Kemp. Energy Information Administration data show working gas inventories in underground storage stood at 2,771 billion cubic feet on Sept. 9, the second-lowest seasonal level since 2010, as US gas-fired electricity generation and liquefied natural gas exports set records, Kemp writes. [Reuters](#)

0916 FERC Oversight: DC Circuit finds FERC correctly concluded that Tri-State Generation and Transmission Association Inc. is subject to agency regulation after adding a non-utility member. Tri-State had been exempt from FERC jurisdiction for more than 60 years because it had been wholly owned by small cooperatives or public power districts, which the agency doesn't regulate. But when Tri-State admitted natural gas supplier Miecoco Inc. as a member, the commission ruled that the company was now subject to its regulation.

0916 Energy Policy: Letter from 8 House D's want more SPR releases "at least to the end of the year". Should not stop at the end of October.

0916 [FERC Staff Issues the Draft Environmental Impact Statement for the Venice Extension Project \(Docket No. CP22-15-000\)](#)

0916 Manchin Permitting Bill – NARUC Opposition: [Nat'l Law Review: Congress Might Make It Easier for Us to Transition to Renewable Energy but The States Say Not so Fast](#) . . . Now the Biden Administration and some in the Senate, led by Senator Manchin, want to do something about that currently crushing challenge. Among other things, they would have projects transmitting renewable energy benefit from the same streamlining already available for pipeline projects. But the National Association of Regulatory Utility Commissioners says not so fast. Its Executive Director says the mind numbing delay in permitting essential transmission projects isn't the States' fault, it is the time it takes for projects to do what is necessary under the National Environmental Policy Act, including the judicial review of decisions under the Act. I say the White House, Senator Manchin, and the Association are all correct. But the derailment of the New England Clean Energy Connect project has everything to do with state and local opposition and nothing to do with NEPA. I would add that the Federal legislation to be proposed would do something about NEPA delays though more could be done. So let's figure out what is necessary to address the current challenges faced by these essential projects under Federal and State laws and have Congress and the President quickly make what is necessary the law of the land. "We don't think that removing the states is actually going to reduce the time frames," said Greg White, executive director of the National Association of Regulatory Utility Commissioners, which represents state officials. He called the permitting proposal "draconian," arguing it does nothing to solve delays stemming from federal environmental reviews. NARUC has pressed the department to scrap the proposal and bring states to the table.

0916 Natural Gas: It appears that China is buying Russian LNG at a discount and reselling it as "Chinese LNG" to Europe at marked-up prices. *Special report:* China is buying a lot of Russian natural gas (+29% y/y). This is not to be confused with pipeline LNG from Russia to China, which has also increased about 63%. *Why?* China has lower demand for energy due to a broad, macro-economic downturn. **It appears that China is buying the Russian LNG at a discount and [reselling](#) it as "Chinese LNG" to Europe at marked-up prices.** For instance, China's JOVO Group and Sinopec, big LNG traders, recently sold cargoes of LNG to European buyers, and the latter acknowledged in an earnings call that it has been "channelling excess LNG to international markets." (Russia has [discounted](#) the price by 50%, yet is still making a profit.)

0916 Nuclear: [U.S. DoE: 6 Steps DOE is Taking to Address Spent Nuclear Fuel](#) (the good news? this rehash of the last 30 years conversation is "just getting started...") Nuclear energy is essential to combatting climate change and reaching our nation's goal of a net zero economy by 2050. When people talk about nuclear energy, they wonder where the waste will go. I've dedicated my professional career to help solve this issue and it's the U.S. Department of Energy's (DOE) legal obligation to make sure that we do. We can't continue passing this problem on to future generations. Now is the time for progress. We [recently asked](#) for the public's feedback on using a consent-based siting process to identify sites for the consolidated interim storage of our nation's spent nuclear fuel. DOE has taken these responses and summarized them in a [new report](#) to help inform our consent-based siting process and develop future funding opportunities for interested groups and communities to learn about these efforts. When building a system of consent, listening is key and this report is the definition of letting communities and stakeholders know that we heard them loud and clear. We all want to be heard, and this summary is the first step in building a long-lasting, trusting relationship between the DOE and the communities we will serve.

Breaking Down the Feedback

In the past, I've responded to requests for information as a private citizen in the hope that my input would be useful. Now, as the leader of DOE's R&D portfolio for the nation's spent nuclear fuel, I get to read thousands of pages of responses and know that the input is, in fact, useful. A few major themes appeared in the Request for Information. Understandably, distrust and fairness were frequent themes in the comments.

Relationship Building [Summary Report](#) (gosh all these comments are so new and innovative – I've never heard any of them before)

Public response analysis on using consent-based siting process to identify Federal interim storage facilities.

Commenters feel DOE has not taken meaningful steps to build trust and relationships with communities and stakeholders.

Some commenters also feel that a new, independent organization should be created to lead waste management efforts.

DOE is, indeed, responsible for this process and we hope to rebuild trust and relationships with the public.

We also recognize that relationships between the DOE, potential host communities, and other stakeholders must be built on collaboration, two-way communication, information sharing, and accountability.

This will ensure a fair consent-based siting process.

Determining Success

Commenters also expressed feelings of support and skepticism around the success of a consent-based siting process.

We believe that a consent-based approach, driven by community well-being and community needs, is both the right thing to do and our best chance for success.

We plan to shape our consent-based siting process, with help from communities and stakeholders, until we successfully site a safe and secure facility to store spent nuclear fuel.

Several commenters also expressed opposition to developing consolidated interim storage.

While we hear these concerns, DOE recognizes that the communities currently storing spent nuclear fuel never agreed to host the material long term.

Nuclear Energy Perception

Finally, some commenters also viewed nuclear energy as fundamentally flawed and disagreed that this technology will be needed to mitigate climate change.

It is very clear that we need the nation's [largest source of clean power](#) to reach our ambitious goals of net-zero and we plan to openly communicate the benefits of nuclear energy to help [alleviate any concerns](#) on this firm, dispatchable clean energy source.

DOE Action Steps

In an effort to build and sustain strong, trusting relationships, we identified six key priorities to guide the implementation of a successful consent-based siting process:

1. Implement congressional direction to pursue consolidated interim storage in a way that **maximizes the potential benefits** of an integrated nuclear waste management system.

2. **Address the current lack of trust in DOE** by making changes internally and externally. Internally, DOE is working to improve its follow through on commitments and candidly acknowledge past missteps. Externally, DOE is embarking on a consent-based siting process that is inclusive, community-driven, phased, and adaptive.

3. **Ensure DOE's consent-based siting process is fair.** This procedural justice means actively and equitably engaging with communities; appropriate levels of Tribal, State, and local government; and other interested parties in all phases of the process. It also means providing the resources and data communities need to participate fully and make informed decisions.

4. **Focus on fairness in siting outcomes** as well as process. We will prioritize equity and environmental justice considerations, work collaboratively with communities to define what constitutes consent, and consistently recognize communities' needs, priorities, and voices, as well as Tribal Nations' rights to self-determination and sovereignty. A community's participation in a voluntary, equitable, and consent-based siting process should be of lasting benefit, even if the community ultimately chooses not to host a facility.

5. **Continue planning for the safe transportation of spent nuclear fuel** in close cooperation with Tribal and State partners and regional groups to address radioactive-material transportation issues and respond to the concerns of communities near proposed facility sites and along potential transportation corridors.

6. **Rigorously apply safety, security, and other relevant criteria** in assessing the suitability of potential sites for different types of spent nuclear fuel facilities. A consent-based siting process should unfold in phases and include a series of evaluation steps, including suitability assessments. DOE anticipates that potential host communities may want to make their own assessments of the impacts and risks of proposed facilities and is committed to helping communities conduct independent studies related to safety and other issues of concern.

What's Next?

We appreciate the public's input on developing a consent-based siting process and are committed to making every reasonable effort to incorporate suggestions and address concerns.

We are also aware that these comments do not fully represent the ideas of all relevant communities and stakeholders.

We plan to continue our outreach and engagement efforts to ensure that the views of Tribes and underrepresented groups are included, understood, and considered in future DOE policies and decision-making related to consent-based siting and consolidated interim storage.

This report will be followed by an updated consent-based siting process document that incorporates this feedback. We also plan to issue a funding opportunity to support learning and help build a community of practice in consent-based siting.

Stay tuned for this conversation to continue because **it's just getting started**. (and guessing it won't get finished for another 8 years....)

0916 Manchin Permitting Bill: Bloomberg: A federal permitting deal that Senate Democrats planned to attach to any stopgap funding measure has yet to materialize, jeopardizing support and threatening to derail the measure as a looming government shutdown pressures talks.

Sen. Manchin said Thursday he was still working on the bill and needs as many as 20 Senate Republicans to vote for his plan to streamline the federal approval for energy projects to counter Democratic defections. . . .Dozens of House Democrats have called on leaders to remove the permitting bill from any stopgap. Still, few — if any — would vote against the funding bill and shut the government down if push comes to shove, House Budget Chair John Yarmuth (D-Ky.) told reporters yesterday. . . . Manchin said the measure's fate was sealed if it doesn't ride on the stopgap. "If it doesn't get on the continuing resolution, it's dead," Manchin said..

0916 Manchin Permitting Bill: Sen. Joe Manchin (D-W.Va.) said he is hopeful that colleague Sen. Shelley Moore Capito (R-W.Va.) will help him push through his permitting reform plan that he said would take as many as 20 Senate Republicans to pass as part of a stopgap spending measure meant to keep the government open past Sept. 30. Capito earlier this week introduced a permitting reform bill with 46 Republican co-sponsors because Democrats have yet to unveil their own bill, as disagreement over Manchin's proposal continues to build from both chambers and parties. ([Bloomberg](#))

0916 Manchin Permitting Bill: [W.Va. vs. Va.: Permitting overhaul a backyard brawl](#) *Jeremy Dillon and George Cahlink, E&E News* Sen. Joe Manchin (D-W.Va.) wants a contested natural gas pipeline in his state to be part of his permitting reform effort. But Virginia lawmakers who might typically support a permitting overhaul are balking at the deal, in part because of the pipeline that would run between the two states.

0916 Natural Gas - [California provides disincentives to Use Natural Gas in New Buildings](#) *Mark Chediak, Bloomberg* Utilities will no longer be able to pass along part of costs for new gas lines to residential, commercial customers.

0916 Minnesota PUC approves Xcel Energy's 460-MW solar project to replace Sherco coal-fired generation – Industry Dive.

0916 Wind: Administration "hopes" to deploy "up to" 15 gigawatts of electricity through floating wind turbine platforms in the deep ocean by 2035, targeting sites in the Pacific Ocean off the coasts of California and

Oregon as well as in the Atlantic in the Gulf of Maine. Pledges 50 Billion. Two pilot projects are already planned for the north and central California coast, while a third one is planned off the coast of southern Oregon. ([The Associated Press](#))

0916 Exercises in.....[What Price Is Right? Why Capping Russian Oil Is Complicated.](#) *Alan Rappeport, The New York Times*
Officials from the Group of 7 are striving to strike a delicate balance that encourages Russia to keep pumping oil but to sell it at a discount.

0916 Pipelines: [D.C. Circuit leans toward FERC in NEPA dispute](#) *Niina H. Farah, E&E News* Federal judges Wednesday pressed energy regulators for an update on their plans to use a contested metric to evaluate the costs of GHG emissions from natural gas projects.

0916 EVs - [Newsom opposes EV ballot measure to tax millionaires](#) *Anne C. Mulkern, E&E News* California Gov. Gavin Newsom, who is spearheading efforts to ban new gasoline cars in his state, came out swinging against a ballot measure that would tax rich residents to help fund electric vehicle purchases.

0916 Solar - [Minnesota regulators approve huge solar project in Becker](#) *The Associated Press* A massive solar project that is expected to cost at least \$575 million was approved Thursday by Minnesota utility regulators

0915 FERC - [FEIS for Driftwood Line 200 and Line 300 Project CP21-465-000](#)

0915 CCS - **Venture capitalists invested \$882.2 million in carbon removal startups in the second quarter, the highest quarterly total on record,** according to PitchBook. "Carbon capture technologies are experiencing high global interest and investment, and the regulatory environment has created pressures and incentives that will support their continued growth in the future," PitchBook said. [PitchBook](#)

0915 Nuclear Waste – and another rehash of “consent based siting”...nothing new: The U.S. Department of Energy (DOE) released [a new report](#) today summarizing public feedback on the Department's consent-based siting process to identify sites for the consolidated interim storage of the nation's spent nuclear fuel. This report will be followed by an updated consent-based siting process document that incorporates public feedback. December 1, 2021, DOE issued a request for information (RFI) on using consent-based siting to identify sites for interim storage of spent nuclear fuel. DOE **received 225 submissions** in response from a wide variety of commenters, including the Energy Communities Alliance. To read ECA's formal comments, please [click here](#). The new report summarizes and analyzes the input provided in these responses. It also summarizes responses to an earlier request for comment on the Draft Consent-Based Siting Process for Consolidated Storage and Disposal Facilities for Spent Nuclear Fuel and High-Level Radioactive Waste released by DOE in 2017. The Department reported it is incorporating the public input described in this report in its efforts to pursue a consent based siting process, advance progress toward an integrated waste management system, and develop funding opportunities for interested groups and communities.

Major themes in the RFI responses, as identified by the report, include:

Distrust of DOE and of the federal government's nuclear waste management efforts more broadly;
An emphasis on "fairness" - both in the way the siting process itself is conducted and in terms of outcomes from the siting process;

An appreciation of the challenges inherent in defining consent and successfully implementing a consent-based siting process;

Significant differences of opinion about whether the federal government should pursue consolidated interim storage for commercial spent fuel, including related concerns about progress toward a deep geologic repository and transportation requirements and risks;

Support for changes in the nation's overall approach to nuclear waste management and for a new, independent organization to lead waste management efforts; and

Strong differences of opinion about the need for and merits of nuclear energy technology.

The report identifies next steps that DOE is committed to taking, which include (1) implementing congressional direction in a way that maximizes the potential benefits of consolidated interim storage, (2) addressing the current deficit of trust in DOE by making changes internally and externally, (3) ensuring that its consent-based siting process is fair and inclusive, (4) focusing on fairness in siting outcomes by putting communities' needs and well-being at the center of the siting process, (5) continuing and expanding ongoing efforts to address transportation issues and related planning needs, and (6) rigorously applying safety, security, and other criteria in all aspects of the siting process, including by supporting communities that wish to conduct independent studies related to safety and other issues of concern.

0915 Hydro: [Hydro Review: FERC cancels preliminary permit for NY State - Saugerties Community Hydro Project](#)

0915 Renewables: [Inflation Reduction Act could raise prices on clean energy, warns Bank of America](#) Without additional transmission capacity, the law could incentivize inefficient development of renewables and result in higher price volatility.

0915 Pipeline Siting: [BTU Analytics: High-Profile Intervenor Seek to Shake Up FERC's Gas Pipeline Approval Criteria](#)

With the close of the public comment period having come on May 25th, the much awaited announcement of the final form of FERC's pending [policy guidance](#) would seem to be imminent. While the final form of this revised guidance – likely to spell out how FERC will approach its evaluation of newly proposed energy projects with regard to both greenhouse gas emission impacts and economic need – has understandably been the subject of intense interest and speculation. However, a more subtle development has emerged in recent months that also has the potential to significantly alter the Commission's criteria for issuing project approvals. Specifically, two pending FERC dockets have seen requests for interventions from high-profile governmental entities seeking to block approval for proposed pipelines. The requests are based upon new arguments that the projects have not adequately demonstrated an economic need and/or would violate statutory state climate targets. In today's Energy Market Insight, we will examine these arguments and assess the likely federal and state regulatory impacts that would occur if FERC were to accept these new criteria as valid and deny approval for either of the pipelines in question.

The first requested intervention of note occurred in FERC proceeding CP21-94, in which Williams is seeking approval for its proposed Regional Energy Access Expansion (REAE) project. As proposed, this project would provide an additional 830 MMcf/d of capacity to serve end users primarily in New Jersey markets. In a joint filing on July 11, 2022, the New Jersey Board of Public Utilities (the regulator of all electric and gas utilities in the state) and the New Jersey Division of Rate Counsel (a ratepayer advocacy agency) sought intervenor status in order to lodge a commissioned study from a major economics firm into the proceeding. The study concluded that under "most scenarios," New Jersey could "easily meet firm demand" through 2030 without incremental pipeline capacity. As such, the intervening parties argue that, on the basis of the filed study, the Commission should reject REAE's application on the grounds that the project does not serve an economic necessity.

The second intervention of note occurred in FERC proceeding CP22-2, in which TC Energy is seeking approval for its proposed GTN Xpress project. GTN Xpress would eventually add 250 MMcf/d of additional capacity through compression upgrades and additional gas cooling stations in Idaho, Oregon, and Washington. The initial application with FERC seeks authorization for the first 150 MMcf/d of this incremental capacity. Following the release of a generally favorable project environmental impact statement (EIS) by FERC staff, the Attorneys General (AGs) of California, Oregon, and Washington filed jointly to request intervenor status in the proceeding on August 22, 2022. In this filing, the AGs argue that the proposed expansion violates state energy policy for three of the four markets that the project would serve, is not economically necessary, and may result in existing customers subsidizing the project.

While the filings in both cases were out of time and, at the time of writing, FERC has yet to issue a ruling in either case granting the requested intervenor status to the filing parties, it may be difficult for FERC to ignore the stated public opposition of New Jersey's utility regulator and three AGs to the REAE and GTN Xpress projects, respectively. Absent any other reason, the requested interventions in the REAE and GTN Xpress cases would be notable simply for the prominent stature of the protesting parties. However, the potential impact of

the interventions becomes even more pronounced when the precedent agreements with shippers filed in each case are examined closely.

As part of the application with FERC, the sponsors of proposed pipeline projects typically disclose pre-arranged, binding precedent agreements with shippers to demonstrate the economic need for the project. The precedent agreements with shippers filed in the RAEA and GTN Xpress dockets are summarized below.read more here: <https://btuanalytics.com/energy-transition/high-profile-intervenors-seek-to-shake-up-fercs-gas-pipeline-approval-criteria/>

0915 Nuclear: Michigan Gov. Whitmer last Friday penned a letter to energy secretary Jennifer Granholm pledging state support for a Holtec International plan to restart the recently shuttered Palisades nuclear plant in Covert, Mich.

0915 Wind: [Perkins Cole LLC: New England Requests Information on Electric Grid Upgrades To Integrate Offshore](#)

Wind Five New England states issued a Request for Information (RFI) on September 1, seeking comment from interested stakeholders by October 14, 2022, on changes and upgrades to the regional electric transmission system to integrate renewable energy resources, particularly offshore wind. Connecticut, Maine, Massachusetts, New Hampshire, and Rhode Island are seeking information through the RFI that will help them improve the grid's reliability, resilience, and affordability for the regions' electricity customers. The states aim to improve the grid by integrating offshore wind and other renewable resources and leveraging federal funding for transmission investments under the Infrastructure Investment and Jobs Act (IIJA) and the Inflation Reduction Act (IRA). The RFI builds on information gleaned from earlier efforts of the New England states to engage with ISO New England (ISO-NE)[1] to study transmission needs in light of planned offshore wind deployment.

The joint RFI among the states outlines a conceptual framework for a modular offshore wind integration plan (Plan) and seeks comments on the Plan and other infrastructure upgrades. Information received during the comment period will inform the states' decisions to procure or facilitate transmission investment, inform planning activities, and further inform efforts to secure federal funding, including under the IIJA, and otherwise support infrastructure investment decisions.

Background

Recent federal actions to advance offshore wind development off the Atlantic coast demonstrate the significant potential for offshore wind near New England and Northeast load centers. Offshore wind resources will also be important in meeting state goals and requirements. For example, recent studies from New England states, including the Massachusetts Energy Pathways to Deep Decarbonization report, assume that 30,000 megawatts (MW) of offshore wind will be deployed by 2040 to 2050. This assumption was also used as the basis of future load assumption in the New England Power Pool 2021 Economic Study on Future Grid Reliability and the ISO-NE 2050 Transmission Study that ISO-NE performed in coordination with the New England States Committee on Electricity (NESCOE).

In particular, a 2020 ISO-NE study of offshore wind integration found that up to 5,800 MW of offshore wind could be connected to the existing New England regional grid without additional reinforcements. However, considerable transmission upgrades would be necessary for any significant quantities of offshore wind beyond that amount. Further, existing interconnection points are already at or beyond capacity with current offshore wind projects under contract or review. The report concluded that more or upgraded interconnection points are necessary. In addition to providing security to developers, eliminating transmission constraints would also provide material benefits for consumers.

Given the significant time required to plan, develop, and build transmission, and given the large amount of offshore wind development occurring in the New England region, the states recognized that planning for additional transmission and interconnection needs to happen now, leading to the release of this RFI. The states acknowledge that this planning could include the possibility of collaborating in the procurement of transmission resources associated with renewable energy generation and investigating possible funding opportunities under the IIJA, which includes provisions for funding transmission projects that provide regional reliability benefits and integrate renewable energy resources. The RFI is also intended to better inform each state's renewable energy planning and procurement efforts.

Updates and Changes to the Regional Electric Transmission System

Through the RFI, the states seek comments on changes and upgrades to the regional electric transmission system needed to integrate renewable energy resources. Broadly, the states are interested in identifying how they can best position themselves to access funding, minimize impacts to ratepayers, maximize the reliability of regional clean energy resources, determine the costs and benefits of different kinds of transmission lines, including high-voltage, direct current (HVDC), and consider environmental justice concerns as infrastructure development decisions are made.

Interested stakeholders should consider commenting on the advantages or disadvantages of different kinds of transmission lines, including the use of AC or DC, and whether 1,200MW HVDC lines should be the preferred standard in any offshore transmission procurement. This is particularly important considering the procurement requirements recently released in the third New York State Energy Research Development Agency (NYSERDA) solicitation for offshore renewable energy credits (ORECs), which requires that offshore wind projects bidding for the ORECs are “meshed ready” and use HVDC and the Bureau of Ocean Energy Management’s (BOEM) notice that it “may condition” approval of construction and operation plans (COPs) for offshore wind projects in the New York Bight on the incorporation of regional transmission systems and meshed systems into the COPs.

Draft Modular Offshore Wind Integration Plan

Current contracts for offshore wind in New England are expected to use all existing and available transmission capacity at the most convenient and cost-effective points of interconnection. Upcoming offshore wind projects will require significant transmission upgrades across New England in order to successfully interconnect. The current procurement process for offshore wind has states contract offshore wind generation through power purchase agreements while developers take the responsibility to pay for system upgrades and associated costs resulting from interconnection. The existing planning process for ISO-NE does not proactively consider the potential landside reliability impacts of offshore wind interconnections and does not consider potential system upgrades needed to address reliability. In order to ensure that congestion costs do not increase and also to maintain system reliability, significant landside upgrades will be required to enable the interconnection of additional offshore wind. This is anticipated to cost billions of dollars.

The draft Plan proposes adopting a planned regional transmission investment approach for offshore wind integration that can improve system reliability and avoid costly reliability upgrades to the landside transmission system. Specifically, transmission solutions should accommodate up to 8,400 MW of offshore wind from current and future New England lease areas, in 1,200 MW increments, through 2040. Any projects should maximize access to and be consistent with the terms of U.S. Department of Energy (DOE) funding programs, including those established under the IJIA, through the DOE Transmission Facilitation Program and any Loan Programs Office (LPO) programs or resiliency funding. The draft Plan also suggests that transmission solutions are designed to allow future transmission lines to connect in a meshed manner and share landing points, consider other onshore clean energy, and use HVDC converter technology to support potential weaknesses in the grid.

In seeking comments on the draft Plan, the states are particularly interested in potential points of interconnection in the ISO-NE control area for all renewable energy resources, and the costs and benefits, including local co-benefits, associated with each point of interconnection. Specifically, interested stakeholders should comment on how offshore wind should be integrated deeper into the region’s transmission system, if at all, as opposed to interconnecting at the nearest landfall. Offshore corridor options for transmission lines should be identified and describe how that corridor avoids or minimizes disturbance to marine resources. Stakeholders should also comment on how future interconnection between offshore converters can be optimized, particularly to facilitate the transmission of power from offshore to multiple points of interconnection as needed. The RFI notes that Bridgeport, Connecticut, and Boston, Massachusetts, are potential efficient interconnection points for future offshore wind generation but seeks further information from developers on additional locations to consider.

The RFI also seeks comment on how ownership of transmission should be structured, including through the use of public-private partnerships, and how costs should be allocated to prevent cost-shifting between the states on their policy goals and ensure that local and regional benefits remain distinct so that ratepayers only pay for services that they benefit from.

RFI Is the Latest in Recent Efforts To Spotlight Offshore Wind Transmission Constraints

The RFI represents the latest effort of stakeholders to get their arms around transmission grid constraints and their significant impact on states' ability to achieve ambitious and growing offshore wind procurement targets. There is now widespread recognition at both state and federal levels of the upcoming difficulties in integrating significant amounts of offshore wind into existing transmission infrastructure.

For example, as noted above, the latest competitive solicitation for offshore wind in New York included requirements for projects proposing HVDC interconnections to be "meshed ready" based on results from the New York State Power Grid Study, which sought to identify ways to provide greater reliability and flexibility for future offshore transmission. NYSERDA's Offshore Wind Cable Corridor Constraints Assessment, which aims to understand the constraints of siting cables in New York state waters, and along overland routes to existing points of connection, is due to be published later this year.

At the federal level, DOE is preparing an Atlantic Offshore Wind Transmission Study to evaluate pathways to offshore wind goals through coordinated transmission solutions along the Atlantic coast in the near term (by 2030) and long term (by 2050). This DOE study is a two-year effort to evaluate coordinated transmission solutions for offshore wind energy development along the Atlantic coast. In the study, researchers from the National Renewable Energy Laboratory (NREL) and the Pacific Northwest National Laboratory (PNNL) will study multiple scenarios of interstate, interregional transmission topologies (including size, shape, branching, and location) between 2030 and 2050. The study will evaluate coordinated transmission solutions to enable offshore wind development; compare different transmission technologies and topologies through an analysis of costs, reliability, and resilience; evaluate key environmental and ocean co-use issues; and produce results that will inform decision-making and benefit stakeholders in their planning processes. In particular, the DOE study aims to identify cost and benefit trade-offs for high-voltage alternating and direct current technologies, identify critical deployment for the benefits of a coordinated transmission framework to outweigh the benefits of radial generator lead lines, and collect data and develop models for easy use by the offshore wind energy industry. The report is expected to be released by the end of 2023.

Separately, FERC is exploring wide-ranging reforms to the transmission planning processes and generator interconnection processes of transmission providers across the country, some of which will affect planning for offshore wind development. In its Regional Transmission Planning and Cost Allocation Notice of Proposed Rulemaking (NOPR), FERC has proposed a variety of reforms designed to promote long-term regional transmission planning that anticipates changes in generating supply (such as the addition of large quantities of offshore wind) farther in the future and attempts to incentivize interregional planning and coordination. As part of these reforms, FERC has proposed new defined roles for relevant state entities (such as states issuing the RFI) within the transmission planning region regarding the cost allocation method or methods that will apply to transmission facilities selected in a regional transmission plan. In a separate NOPR on the generator interconnection process, FERC is proposing reforms intended to address interconnection queue backlogs, improve certainty for developers, and prevent undue discrimination against new technologies. While neither NOPR is expressly focused on offshore wind development, the reforms proposed by FERC will complement efforts by the states (such as the RFI).

The results of these studies will inform how states upgrade and invest in transmission infrastructure.

Next Steps

Interested stakeholders in the New England RFI should attend the upcoming public technical meeting, to be scheduled soon. Areas of focus for the meeting include discussing effective points of interconnection for offshore wind, how to minimize land-based transmission upgrades traditionally located in overburdened and underserved communities, how to design and implement HVDC systems, how to co-optimize transmission infrastructure to provide maximum consumer benefits, and how to reduce overall system cost and consumer impact. Stakeholders should also prepare and submit comments on the RFI, due by 4:00 p.m. EST on October 14, 2022, by email.

Endnote

[1] ISO-NE is the Regional Transmission Organization (RTO) that serves six New England states: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. It is responsible for operating wholesale power markets that trade electricity, capacity, transmission congestion contracts, and related products, in addition to administering auctions for the sale of capacity. ISO-NE operates New England's high-

voltage transmission network and performs long-term planning for the New England system.
<https://www.ferc.gov/industries-data/electric/electric-power-markets/iso-ne>. [\[View source.\]](#)

0915 Natural Gas: The number of active US natural gas rigs has increased from 112 in early 2020 to 166 as of Sept. 9, reversing a downward trend observed before the coronavirus pandemic, according to the Energy Information Administration. The main driver of natural gas-directed drilling growth has been the Haynesville Shale, where the gas rig count has jumped by more than half between January 2020 and August 2022. [U.S. Energy Information Administration](#)

0915 Natural gas: New figures from North Dakota's Department of Mineral Resources show that oil production in the state fell by 2.5% month over month to just over 1 million barrels per day in July, while natural gas output rose 1.3% to 3.1 billion cubic feet per day. Director Lynn Helms attributed the unexpected oil production decline to reduced well completion activity due to workforce shortages. [The Bismarck Tribune \(N.D.\)](#)

0915 SEC Climate regs? - SEC Chair Gary Gensler claimed Investors are largely supportive of the SECs proposed climate disclosure rule for public companies at a Thursday hearing before the Senate Banking Committee. Republicans on the committee said the proposed regulation is burdensome and may expose the agency to legal challenges. [Reuters SEC Climate Rule Won't Demand Extensive Reporting From Small Businesses, Gensler Says](#) *Richard Vanderford, The Wall Street Journal* Small businesses have expressed concerns they would be forced to embark on an accounting mission to provide data to their public-company customers.

0914 Gas and censorship: At a Wednesday hearing of the House Natural Resource Committee's oversight panel, D's accused public relations firms of running campaigns for oil and natural gas industry clients that stymie their preferred solutions to climate concerns. The committee also published a report alleging that PR firms engineered "astroturf 'citizen' groups to advocate for industry interests and defeat legislative proposals" and used "unscrupulous tactics to sabotage genuine policy solutions and attack community advocates." [Reuters](#)

0914 Natural gas: AmGas September 2022: The Forecast for Global Gas
https://read.nxtbook.com/aga/american_gas_magazine/american_gas_september_2022/cover.html Today, natural gas markets—Europe and Asia in particular—are in disarray, roiled by a supply-demand imbalance initially triggered by robust demand as the global economy rebounded from the pandemic, then exacerbated by Russia's decision to cut gas flows to Europe in response to sanctions following its invasion of Ukraine in February. In this issue of *American Gas*, read how the still-unfolding crisis has highlighted the critical role of natural gas—and increasingly that means liquefied natural gas—in meeting global energy needs and facilitating the transition to a net-zero energy system. **Other Highlights:** [Benchmark study identifies areas of opportunity for utility training and operations.](#) [Utilities partner to offer Pay As You Save program in Missouri.](#) [A Dominion Energy West Virginia employee's persistence put him in the right place to notice and respond to a customer's call for help.](#)

0914 Energy Policy: D's on the House Natural Resources Committee House propose legislation to ban new federal fossil fuel leasing and permitting that fails to meet the White House's targets to reduce greenhouse gas emissions over the next three decades. There's a hearing on the bill set for Sept 20 – it only has D sponsors and won't go anywhere in the Senate.

0914 Energy Policy: [Wash Examiner: Prospects for Iran nuclear deal fade as Blinken admits Tehran's demands are 'a step backward'](#)

0914 Nuclear: [Hurdles ahead for saving Michigan nuclear power plant](#) *Reuters* The governor of Michigan said last week she wants a nuclear power plant to reopen to save jobs and help curb climate change, but the company that bought the plant said there are many hurdles to save the facility.

0914 Coal to Nuclear: Up to 80% of retired or active coal power plant locations in the United States could be converted to nuclear power sites, according to a Department of Energy report, including as many as 157 retired plants and 237 operating plants. The report said the switch could help the nation reach its net-zero emission goals by 2050 by hosting advanced nuclear 0914 reactors. ([Reuters](#))

0914 Ideas from the Carter Presidency: [Republican wants to raise office temperatures at DOE, EPA](#) *Jeremy Dillon, E&E News* A new bill introduced Tuesday by Sen. Joni Ernst (R-Iowa) would set the temperature at the agencies' headquarters to at least 78 degrees during the summer.

0914 Clean Energy: [New York announces \\$16.6M for hydrogen and 4 other long-duration storage demonstration projects](#) *Emma Penrod, Utility Dive* The five projects represent a variety of long-duration storage technologies, including battery storage, pumped hydroelectric storage, and hydrogen.

0914 Clean Energy: [NC utilities panel hears testimony over Duke Energy CO2 plan](#) *Gary D. Robertson, The Associated Press* North Carolina's electricity regulators began listening Tuesday to potentially weeks of testimony over proposals by Duke Energy Corp. subsidiaries on how to carry out a state law demanding greenhouse gas reductions in the next decade.

0914 Resilience: To comply with “the inflation reduction act” the Administration finally moves forward with its very first offshore oil sale: FROM E&E’s Coverage: “Cole Ramsey, senior vice president for upstream policy at the American Petroleum Institute, said the White House must hold regular sales to help meet national energy needs. “We are pleased that the Department of the Interior has finally offered the first offshore leases of this administration, but it is disappointing that it took 19 months and an act of Congress to get us to this point,” Ramsey said in a statement. Lease Sale 257 is the only offshore oil sale held by this administration. The White House began a leasing moratorium shortly after Biden took office . . . currently – whether the govt complied with NEPA is pending b/f the 10th Circuit.”

0914 Resiliency: [Short-Term Urgency and Long-Term Vision Needed for Grid Planning](#) T&D World Schukar, chairman of Ameren Transmission acknowledges the dual tensions brought by tomorrow’s storms and the next decade’s diffusion of the electric system

0914 Resiliency – undergrounding power lines: [Entergy Completes Longest Underground Project in Company History](#) T&D World Crews undergrounded approximately eight miles of distribution powerlines along Louisiana Highway 1 from Leeville to Grand Isle.

0914 Hydrogen: [SDG&E Hydrogen Pilot to Assess Hydrogen’s Feasibility as a Decarbonization Tool](#) T&D World The project is part of SDG&E’s multi-pronged sustainability strategy to explore the feasibility of emerging technologies to rapidly decarbonize multiple economic sectors.

0914 Residential Storage/“Virtual Power Plant”: [Rocky Mountain Power rolled out its Wattsmart program to create a virtual power plant comprised of residential energy storage systems](#) and the project has been such a success that it plans to deploy it across Idaho and Utah. Sonnen and ES Solar assisted in the solar adoption process and through sales tactics that helped homeowners understand the benefits solar-plus-storage. RMP doesn't offer a full retail rate for net-metering, but the program does reward homeowners who send stored solar back to the grid at a lesser rate. [Canary Media](#)

0913 Hydro: [Hydropower is considered a baseline energy source in California and other parts of the Western US, but confidence in the energy source's long-term reliability is drying up alongside the region's reservoirs.](#) Similar situations are playing out in China and across Europe as drought conditions persist. A diverse energy mix including hydropower has helped the California Independent System Operator side step blackouts, but the

Energy Information Administration expects the nation's hydropower output to continue on a downward trend. [E&E News](#)

0913 Hydrogen - Nuclear: Energy Harbor has joined forces with the University of Toledo and several industrial companies and DOE national laboratories to launch the Great Lakes Clean Hydrogen coalition, which aims to produce clean hydrogen using nuclear power from the Davis-Besse Power Station in Ohio. The coalition envisions transforming the Midwest into a powerhouse for low-carbon fuel production. [Power Engineering](#)

0913 Resiliency: [Congress should require FERC, NERC to monitor gas pipeline capacity to ensure reliability, manufacturers say](#), *Utility Dive* FERC and NERC should delay nuclear and coal-fired power plant retirements if the shutdowns would lead to pipeline constraints, according to the IECA.

0913 Gas: [A decade after FERC tried to tackle New England gas issues, concerns remain and solutions are uncertain](#) Industry Dive

0913 Hydro: [What the Western drought reveals about hydropower](#) *E&E News* Western drought that is threatening water supplies in the country's largest reservoirs is exposing a reality that could portend a significant shift in electricity: Hydropower is not the reliable backbone it once was.

0913 Coal to Nuclear: [U.S. DoE: Could the Nation's Coal Plant Sites Help Drive a Clean Energy Transition?](#) new DOE report finds that 394 operating and retired coal power plants across the US could transition to nuclear power production using small-scale advanced nuclear reactors to support the nation's goal of net-zero emissions by 2050. Replacing a large coal plant with nuclear power could create more than 650 permanent jobs and reduce regional greenhouse gas emissions by 86%, the report states. [Reuters](#) see also - [U.S. DoE: DOE Report Finds Hundreds of Retiring Coal Plant Sites Could Convert to Nuclear](#)

0913 Fuel Prices: The global fuel market will remain pressured by inadequate oil refining capacity until at least the middle of this decade, according to a new report from the International Energy Forum and S&P Global. Crude refining capacity has declined by as much as 3.8 million barrels per day between March 2020 and mid-2022 as oil demand increased by 5.6 million bpd, and delays are likely to stall completion of the roughly 2 million bpd of new capacity scheduled to come online by the end of 2023. [Reuters](#)

0913 Fuel Prices: Supply-demand imbalances, insufficient alternative energy sources and underinvestment in new drilling could drive oil prices as high as \$150 per barrel, said Christyan Malek, global head of energy strategy at JPMorgan Chase in an interview. Separately, Chevron Chairman and CEO Mike Wirth warned of "significantly higher" US natural gas prices this winter and argued against an export ban, noting that such an action "runs the risk of taking supplies that are needed in other parts of the world and reducing those which can drive world prices up, which then can affect the price of imports into this country." [Yahoo/Bloomberg](#), [CNN](#)

0913 Storage: US added a record 2.6 gigawatts of utility-scale energy storage capacity in the second quarter, according to Wood Mackenzie and the American Clean Power Association. The US is on track to have 59.2GW of energy storage by 2026, largely alone to the tax credit for standalone projects in the Inflation Reduction Act. [ReNews \(UK\)](#)

0913 Storage - New York state has committed \$16.6 million in funding to five long-duration energy storage demonstration projects, two of which are focused on clean hydrogen production via the Nine Mile Point Nuclear Station. The state is also making available an additional \$17 million for energy storage demonstration projects that deliver 10 to 100 hours of power. [Utility Dive](#)

0912 IRA: Congressional D's letter claims federal agencies await "clear direction" from FERC on implementation of clean energy objectives under the Inflation Reduction Act. The Energy Department's tasks include authoring regulations and guidelines for programs under the new law and onboarding hires to support those programs,

while the Interior Department is responsible for oil and gas leasing tied to renewable energy permitting. [E&E News](#)

0912 MANCHIN PERMITTING BILL: Sen. Manchin, D-WV is seeking assistance from energy industry executives to line up R support for his energy permitting bill amid growing D opposition, according to sources. With the final text of Manchin's bill yet to be released, Republicans led by Sen. Shelley Moore Capito, R-W.Va., have put forward their own permitting reform bill to expedite energy projects and increase regulatory certainty for the energy industry. [BNN Bloomberg \(Canada\)](#), [The Hill](#)

0912 LNG: FERC issued a final environmental impact statement for the proposed Commonwealth liquefied natural gas export project in Louisiana, concluding that most of the project's environmental effects could be reduced to less-than-significant levels. However, the analysis found that the project would result in "disproportionately high and adverse" impacts on environmental justice communities. [Institute for Energy Economics and Financial Analysis/Agence France-Presse/E&E News](#) (

0912 Energy Policy: Interior announced beefed-up regulations for offshore oil and natural gas drilling, including tougher standards for blowout preventers and a requirement that operators send data about equipment failures directly to the Bureau of Safety and Environmental Enforcement. (increases costs) In response, American Petroleum Institute Vice President of Upstream Policy Cole Ramsey said, "The politicization of this rule and subsequent shift in policy from administration to administration only increases uncertainty for producers and fails to meaningfully improve offshore safety." [The Hill](#) [The Wall Street Journal](#)

APPENDIX C – TELECOM SECTOR

0920 BB Speeds: Phoenix Center: *Speed-Tests: Substitute for, or Complement to, Broadband Maps?*, [may be downloaded free from the Phoenix Center's web page by clicking here.](#) As many of you might know, the Federal Communications Commission's existing broadband availability maps have been heavily criticized as inaccurate, especially for the purpose of distributing billions in subsidy dollars to extend broadband networks to unserved areas. Responding to these concerns, the first iteration of new broadband availability maps using the "fabric" approach are forthcoming in November-2022. This release will be the first to use the FCC's new approach, which seeks to overlay provider footprints with serviceable locations. Given the complexity of this task, it is reasonable to expect some inaccuracy in early versions. A challenge process to help correct the data will render improved versions, and the expectation is that a map the National Telecommunications and Information Administration ("NTIA") can use to allocate the Infrastructure Investment and Jobs Act of 2021's Broadband Equity, Access, and Deployment ("BEAD") program subsidy dollars will be available by mid-2023.

Still, in a rush to distribute subsidy dollars, some advocates have proposed alternative mapping means using speed-test data to identify areas that lack adequate broadband. In a new study released today entitled ***Speed-Tests: Substitute for, or Complement to, Broadband Maps?***, Phoenix Center Chief Economist Dr. George S. Ford evaluates those arguments. To do so, George merges location-specific broadband availability data from Iowa's Broadband Map (Version 5) with Ookla speed-tests results, the most respected source for such data. (George uses Iowa data because the state has developed a broadband availability map at the location level.) The results are not encouraging.

After review, George finds that speed-tests do not appear to be good proxies for actual broadband deployment. In areas where the Ookla data indicate broadband speeds are below the 25/3 Mbps threshold, about 86% of locations have broadband service available above that threshold. At the 100/20 Mbps threshold, about 94% of locations may purchase service meeting or exceeding that threshold. Accordingly, George's

analysis demonstrates that speed-test results are not a suitable substitute for rigorous and careful mapping efforts, such as those the FCC is currently undertaking. Speed tests may be useful, however, for detecting errors in broadband maps, such as when very high speeds are observed in areas where the map says they are not available.

0920 [The Latest Stats on Broadband Usage](#) Doug Dawson, CCG Consulting OpenVault released its *Broadband Insights Report* for 2Q22, which contains statistics about nationwide broadband usage at the end of the quarter. As usual, the OpenVault report is an invaluable peek into the national state of broadband. The report shows that the average home used 491 gigabytes of data at the end of the second quarter. This is up by 13% of the 433 gigabytes used at the end of the second quarter of 2021. The second quarter usage, which represents June 30, is typically the lowest usage levels of the year due to schools being out of session and folks on vacation. Upload bandwidth usage continues to grow and averaged 31.2 gigabytes per household, up from 28 gigabytes in 2021 and 13.6 gigabytes in 2018. Average upload speeds increased from 17 Mbps in 2021 to 23 Mbps in 2022. The percentage of households that use more than 1-terabyte (1,000 gigabytes) of data each month continues to grow rapidly. OpenVault calls these power users. These are homes that will trigger data caps if they have an ISP that enforces them. At the end of the second quarter of 2022, 13.7% of homes are using more than a terabyte compared to 10.8% in 2021, an increase of over 26%. The percentage of homes using more than 2-terabytes increased from 1.5% in 2021 to 2.2% in 2022, an increase of 47%. There has been a huge migration of folks subscribing to faster tiers of broadband. The most extraordinary statistic is that 14.2% of American homes now subscribe to gigabit service, up from 4.6% just two years ago. (go to link to see the chart()) This chart, better than anything else I've seen, lays to rest the idea that the national definition of broadband ought to be 100 Mbps download. As of June of this year, 76% of U.S. households are subscribing to broadband plans of 200 Mbps or faster. The most popular tier is 200-400 Mbps, which makes sense since the big cable companies have migrated most broadband customers to speeds of 200 Mbps or 300 Mbps.

0919 Service Quality: [State regulators respond to complaints about telephone service quality in Nebraska](#) Lincoln Journal Star

0919 Digital "Equity": Massachusetts Broadband Institute MBI "seeks to designate approximately 10-15 Partners as qualified organizations that can implement a suite of digital equity projects that meet the goals outlined in the state's [\$50M funding program]" :: [MBI](#)

0919 Municipal Networks: "Caribou, Maine Moves Forward On Citywide Fiber Plan" :: [Institute for Local Self-Reliance](#)

0919 Municipal Networks: Palo Alto continues to debate citywide FTTP :: [Palo Alto Online](#)

0919 BB Speeds: "College Towns Where Internet Speeds Make the Grade (And Where They Fail)" :: [Ookla](#)

0919 BB Speeds: "14.2% of American homes now subscribe to gigabit service, up from 4.6% just two years ago" :: [POTs and PANs](#)

0919 USF Programs: New York City Announces Free Municipal Broadband Program for New York City Housing Authority Residents [City of New York](#) New York City (NY) will begin the citywide launch of 'Big Apple Connect' — a landmark digital equity program that will make free high-speed internet and basic cable TV available to approximately 300,000 New Yorkers living in more than 200 New York City Housing Authority (NYCHA) developments by the end of 2023. The program was initially piloted at eight public housing developments across the five boroughs and has been expanded to more than 100 developments — at NYCHA's Langston Hughes Houses in Brownsville, Brooklyn (NY). The program will provide residents of NYCHA developments a free bundle that consists of an in-home, high-speed internet connection, including a modem and router; basic cable TV service, including a cable box and remote control; and common area Wi-Fi hotspots, selected in consultation with NYCHA. NYCHA residents will not be billed anything for these services.

0919 Spectrum: Remarks of FCC Chairwoman Rosenworcel at the 2022 NTIA Spectrum Policy Symposium [Federal Communications Commission](#) Rosenworcel spoke at the National Telecommunications and Information Administration's (NTIA) 2022 Spectrum Policy Symposium on September 19. Rosenworcel made it a point to discuss how far the FCC has come in the last 5 years in its dealings with spectrum policy and auctions. Her speech focused on the future of the FCC's relationship with the spectrum and spectrum-related policies, initiatives, rule-making, and innovation. "We will see fresh competition in the delivery of household broadband, increasing the number of ways families get online," said Rosenworcel. "Plus, using next-generation wireless technology in the power, transportation, and manufacturing sectors could lead to emissions savings that could help put us on course to reach future climate targets." The chairwoman stated that the FCC will continue to "reset spectrum policy in the United States so we continue to lead the world in wireless," through the following efforts:

Extending the FCC's Auction Authority: it has been through auctioning that spectrum and wireless technologies have been a powerful engine for wireless innovation and economic growth.

Creating More Mid-Band Spectrum: mid-band airways are essential for 5G services to reach everyone, everywhere

Consider Receiver Performance in the Realm of Spectrum Security and Future-Proofing : deployment of older receiver technology denies the introduction of new services but also can degrade the spectrum environment, lessening innovative and economic potential.

You can find Chairwoman Rosenworcel's remarks [here](#).

0919 BB – AEI – Mark Jamison: [Here's Why Florida Should Provide Broadband Leadership . . .](#) As any businessperson knows, the most cost-effective way to get something built is to manage costs, clearly define what you want, make suppliers compete for your business and hold the winners accountable for delivering on promises. This won't happen given how the Biden Administration is implementing the IJA and overcoming the flawed approach will require strong state leadership, which Florida can provide.

The most problematic aspect is the idea that states should run grant programs in which prospective funding recipients submit project proposals that state officials then evaluate and choose between. Studies of previous grant-funding programs consistently found this wastes money because accountability is low and political favoritism is high.

The international best practice for subsidizing broadband is to treat it like a business: Define what is to be built, specify how potential builders will be judged and held accountable and make the prospective providers compete on price. The Technology Policy Institute found this business-like approach cuts costs by 50% compared to a grant approach.

There are other features of the federal plans that add unnecessary costs. The programs press states to pay union-level wages, which tend to be about 11% higher than non-union wages. They also tell states to tilt the grant competition against America's world-class broadband providers to favor municipalities and startup companies. But these enterprises fail to achieve financial viability 90% to 95% of the time. That wastes taxpayer money.

One local municipal utility is an exception to that rule: Gainesville Regional Utilities (GRU), which is a sponsor of my research center at the University of Florida, is one of the few city-owned broadband providers in the country that is both technically and financially successful. It's just that GRU is rare in this regard.

Florida can provide leadership by partnering with like-minded states to form sound policies and resist the federal inefficiencies by advocating for the business approach to the broadband build out. This will require quick action as the federal government is already rallying support from state broadband officials for its approach.

A first step for Florida and its partner states would be to adopt a funding model that emphasizes transparent price competition between would-be broadband providers and includes protections against favoritism. Creating price competition can be complex, but numerous countries have used this approach for broadband and other communications services. A coalition of states could run effective competitions.

Florida and its partner states could also push the federal government to publicly justify its cost-increasing policies. In essence, Florida and other states would be putting the burden on the federal government