



MEETING AGENDA PACKAGE

Policy Makers Liaisons Committee

October 19, 2022
12:30 p.m. to 2:00 p.m.

Meeting Being Held at:

Florida Municipal Power Agency
8553 Commodity Circle, Orlando, FL 32819

**Dial-in information: 321-299-0575, Access Code 211
351 340 691# Link: [Click here to join the meeting](#)**

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Policy Makers Liaisons Committee

- Robert Page, Green Cove Springs –Chair
- Bil Spaude, Bushnell
- Kristine Petersen, Clewiston
- Vacant, Fort Meade
- George Forbes, Jacksonville Beach
- Robert Barrios, Key West
- Ethel Urbina, Kissimmee
- Rae Hemphill, Kissimmee, Alternate
- Dan Robuck, Leesburg
- Vacant, Newberry
- Jim Hilty, Ocala
- Keith Trace, St. Cloud
- Scott Roberts, Starke

Community Power + Statewide Strength

MEMORANDUM

TO: Policy Makers Liaisons Committee
FROM: Susan Schumann
DATE: October 12, 2022
RE: Policy Makers Liaisons Committee Meeting
Wednesday, October 19, 2022 at 12:30 p.m. [NOTE TIME]
PLACE: FMPA, 8553 Commodity Circle, Orlando, FL, Board Room
TEAMS: **In-Person and Telephonic/Teams – 321-299-0575, Meeting Number 211 351 340 691#**
Link: [Click here to join the meeting](#)
(If you have trouble connecting, please call 407-355-7767)

Chair Bob Page, Presiding

The mission of the Committee is to facilitate the education of elected or appointed governing body members of FMPA's member utility systems, and to foster opportunities for greater communication and knowledge among governing body members regarding the business and projects of FMPA.

AGENDA

1. Call to Order, Roll Call, Declaration of Quorum
2. Set Agenda (by vote)
3. Consent Agenda
 - a. Approval of the Minutes for the Meeting Held July 14, 2022
4. Action Items
 - a. None
5. Report from the General Manager and CEO (Jacob Williams)
6. Information Items
 - a. European Electricity Markets (Jacob Williams)
 - b. Gas Price Stability and Legislative Update (Jacob Williams / Michael Nolan)
 - c. Florida Municipal Solar Project Update (Susan Schumann)
7. Member Comments
8. Announcements
 - a. Next Meeting Wednesday, January 18, 2023 at FMPA, 8553 Commodity Circle, Orlando, FL
9. Adjourn

One or more participants in the above referenced public meeting may participate by telephone. At the above location there will be a speaker telephone so that any interested person can attend this public meeting and be fully informed of the discussions taking place either in person or by telephone communication. If anyone chooses to appeal any decision that may be made at this public meeting, such person will need a record of the proceedings and should accordingly ensure that a verbatim record of the proceedings is made, which includes the oral statements and evidence upon which such appeal is based. This public meeting may be continued to a date and time certain, which will be announced at the meeting. Any person requiring a special accommodation to participate in this public meeting because of a disability, should contact FMPA at (407) 355-7767 or 1-(888)-774-7606, at least two (2) business days in advance to make appropriate arrangements.

**QUORUM REQUIREMENT
(MAJORITY OF AVERAGE NUMBER OF MEMBERS PRESENT FROM LAST
4 PMLC MEETINGS)**

October 20, 2021 – 8 present

January 19, 2022 – 6 present

April 20, 2022 – 6 present

July 14, 2022 – 8 present

Quorum needed: 8 Members

**AGENDA ITEM 1 - CALL TO ORDER,
ROLL CALL, DECLARATION OF
QUORUM**

**Policy Makers Liaisons Committee Meeting
October 19, 2022**

**AGENDA ITEM 2 – SET AGENDA (by
vote)**

**Policy Makers Liaisons Committee Meeting
October 19, 2022**

AGENDA ITEM 3 – CONSENT AGENDA

- a. Approval of Minutes for the Meetings
Held July 14, 2022**

**Policy Makers Liaisons Committee Meeting
October 19, 2022**

MINUTES
FMPA POLICY MAKERS LIAISONS COMMITTEE MEETING
THE BREAKERS
1 SOUTH COUNTY ROAD
PALM BEACH, FL
DATE: THURSDAY, JULY 14, 2022
TIME: 3:00 P.M.

**MEMBERS
PRESENT**

Tom Perona, Fort Pierce (via telephone)
Bob, Green Cove Springs * (via telephone)
George Forbes, Jacksonville Beach
Robert Barrios, Key West
Ethel Urbina, Kissimmee
Dan Robuck, Leesburg
Jim Hilty Sr., Ocala
Scott Roberts, Stark

**OTHERS
PRESENT**

Pat Labrada, Key West
Rae Hemphill, Kissimmee
Cindy Herrera, Kissimmee
Barbara M. Bennett, Fort Pierce
Daniel Rutherford, Fort Pierce
Hank Fee, Fort Pierce
Javier Cisneros, Fort Pierce
Jimmy Crosby, Starke
Linda Hudson, Fort Pierce
Rachel Tennant, Fort Pierce
Michael Nolan, MJN Consulting, Washington, DC

**STAFF
PRESENT**

Jacob Williams, General Manager & CEO
Ken Rutter, Chief Operating Officer
Sharon Adams, Chief People and Member Services Officer
Mike McCleary, Member Services Manager
Cairo Vanegas, Manager of Member Services
Sue Utley, Executive Assistant to CEO / Asst. Secretary to Board
Susan Schumann, Public Relations and External Affairs
Manager
Rachel Ilardi, Public Relations Specialist
Cairo Vanegas, Manager of Member Services Development
Jose Bravo, Manager of Member Services Development

Item 1 – Call to Order, Roll Call

Chair Dan Robuck, called the meeting to order at 3:03 p.m. on Thursday, July 14, 2022, at The Breakers, 1 South County Road, Palm Beach, Florida. A roll call was taken and 8 members were present.

Item 2 – Set Agenda (By Vote)

MOTION: George Forbes, Jacksonville Beach, moved to set the agenda as presented. Jim Hilty, Ocala, second the motion. Motion carried 8-0.

Item 3 – Consent Agenda

- a. Approval of the Minutes for the meetings held October 20, 2021, January 19, 2021 and April 20, 2022

MOTION: Robert Barrios, Key West, moved to set the agenda as presented. Jim Hilty, Ocala, second the motion. Motion carried 8-0.

Item 4 – Action Items

- a. Approval of 2022-2023 Meeting Schedule

MOTION: Jim Hilty, Ocala, moved to set the agenda as presented. George Forbes, Jacksonville Beach, second the motion. Motion carried 8-0.

- b. Election of Committee Officers

George Forbes, Jacksonville Beach, nominated Bob Page, Green Cove Springs, as Chair and Jim Hilty, Ocala as Vice Chair. Tom Perona, Fort Pierce, seconded the nomination.

MOTION: It was a unanimous vote for Bob Page, Green Cove Springs, as Chair and Jim Hilty, Ocala, as Vice Chair. Motion carried 8-0.

Item 5 – Report from the General Manager and CEO

Jacob Williams presented the year-to-date Goals Scorecard.

Item 6 – Information Items

- a. Update on All-Requirements Project and Municipal Power Costs

Jacob Williams provided an update on the All-Requirements Project and municipal power costs.

- b. Electric Distribution Reliability Update (Cairo Vanegas)

Cairo Vanegas presented the Electric Distribution Reliability Update for 2021.

Item 7 – Member Comments

Bob Page, Green Cove Springs, thanked Dan Robuck for his leadership for the Policy Makers Liaisons Committee and said he looks forward to serving as Chair.

Dan Robuck, Leesburg, thanked Bob for agreeing to Chair the Committee as his term as an elected official expires the end of the year.

Item 8 – Announcements

- a. Next Meeting: Wednesday, October 19, 2022 at 12:30 p.m. at FMPA, 8553 Commodity Circle, Orlando, FL

Item 9 – Adjourn

There being no further business, the meeting was adjourned at 3:38 p.m.

Dan Robuck
Chair

Sue Utley
Assistant Secretary

Date Approved _____

DR/su

AGENDA ITEM 4 – ACTION ITEMS

- a. None**

**Policy Makers Liaisons Committee Meeting
October 19, 2022**

**AGENDA ITEM 5 – REPORT FROM
THE GENERAL MANAGER AND CEO**

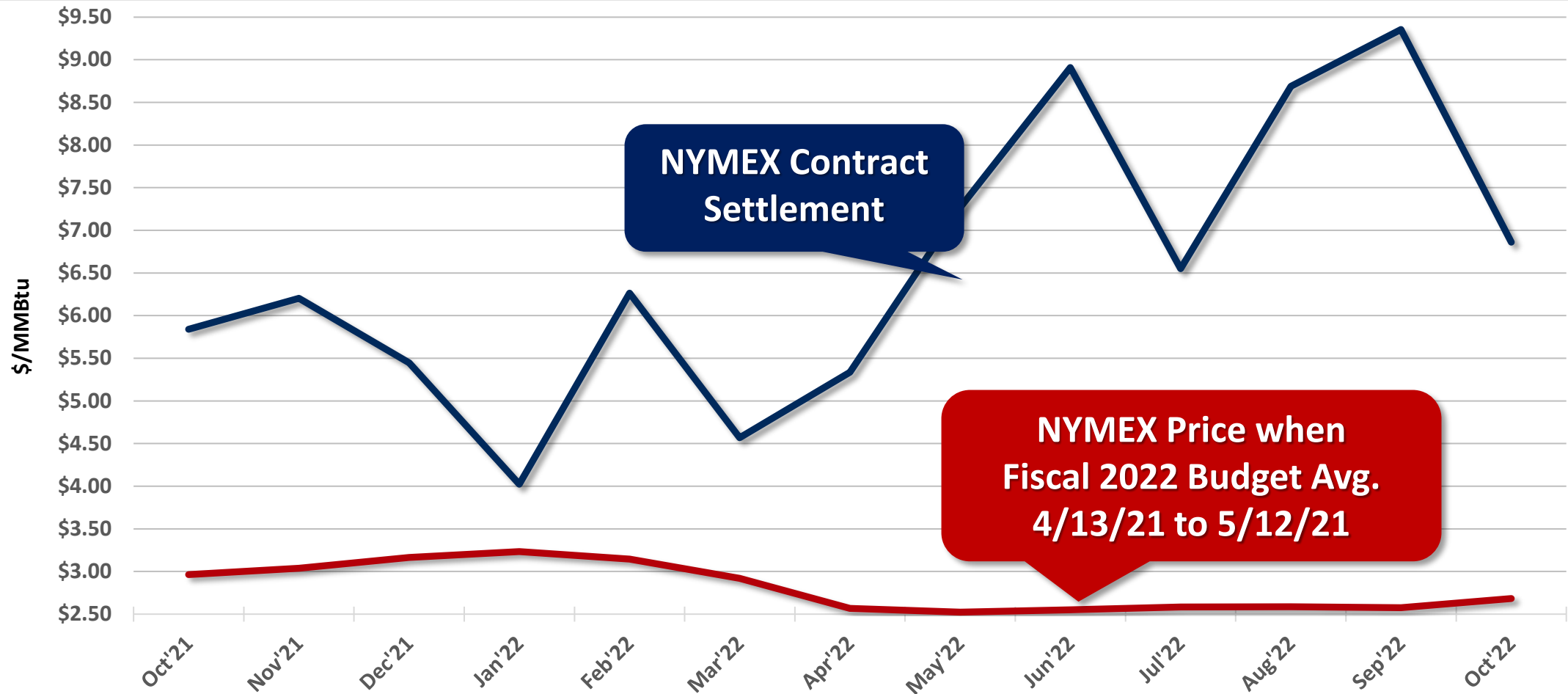
**Policy Makers Liaisons Committee Meeting
October 19, 2022**

Fiscal Year 2022 Management Goals Final Results

| Goal | Status | Actual | YTD Actual | YTD Target | FY 2022 Target | Comment |
|--|---------------------|----------|------------|------------|----------------|--|
| 1. Safety | Lost-time Accidents | 0 | 1 | 0 | 0 | Operator at CI injured back lifting gas-powered pump. Improper safety practices were followed – review and actions will be taken. |
| | OSHA Recordables | 0 | 1 | 0 | 0 | |
| 2. Compliance | Environmental | 0 | 0 | 0 | 0 | Compliance doing internal NERC standard-by-standard top-down review with compliance and SMEs. Completed 70% of NERC applicable standards internally. |
| | Financial | 0 | 0 | 0 | 0 | |
| | Regulatory | 0 | 0 | 0 | 0 | |
| 3. Low Cost (\$/MWh) | Under \$70/MWh | \$116.71 | \$99.09 | \$70.75 | < \$70.00 | Results through August. YTD August MWh sales ~0.9% >budget. All-in costs \$28.34/MWh (29%) > YTD target, due to fuel expense 123%> target; partially offset by A&G (11%), O&M (6%) and Project Costs (9%) < budget |
| | Fuel | \$77.22 | \$50.57 | \$22.12 | \$22.00 | |
| | Non-Fuel | \$39.49 | \$48.52 | \$48.63 | \$48.00 | |
| 4. Capacity Replacement Plan
Complete evaluation of alternatives meeting ARP needs to 2027 & provide Non-ARP members participation options | | | | | 1 | <ul style="list-style-type: none"> Signed PPA for 155 MW. Purchase agreement to be signed week of 10/10 for two facilities of ~220 MW. Considering several multi-year sales opportunities to help flatten capacity position through 2027. |

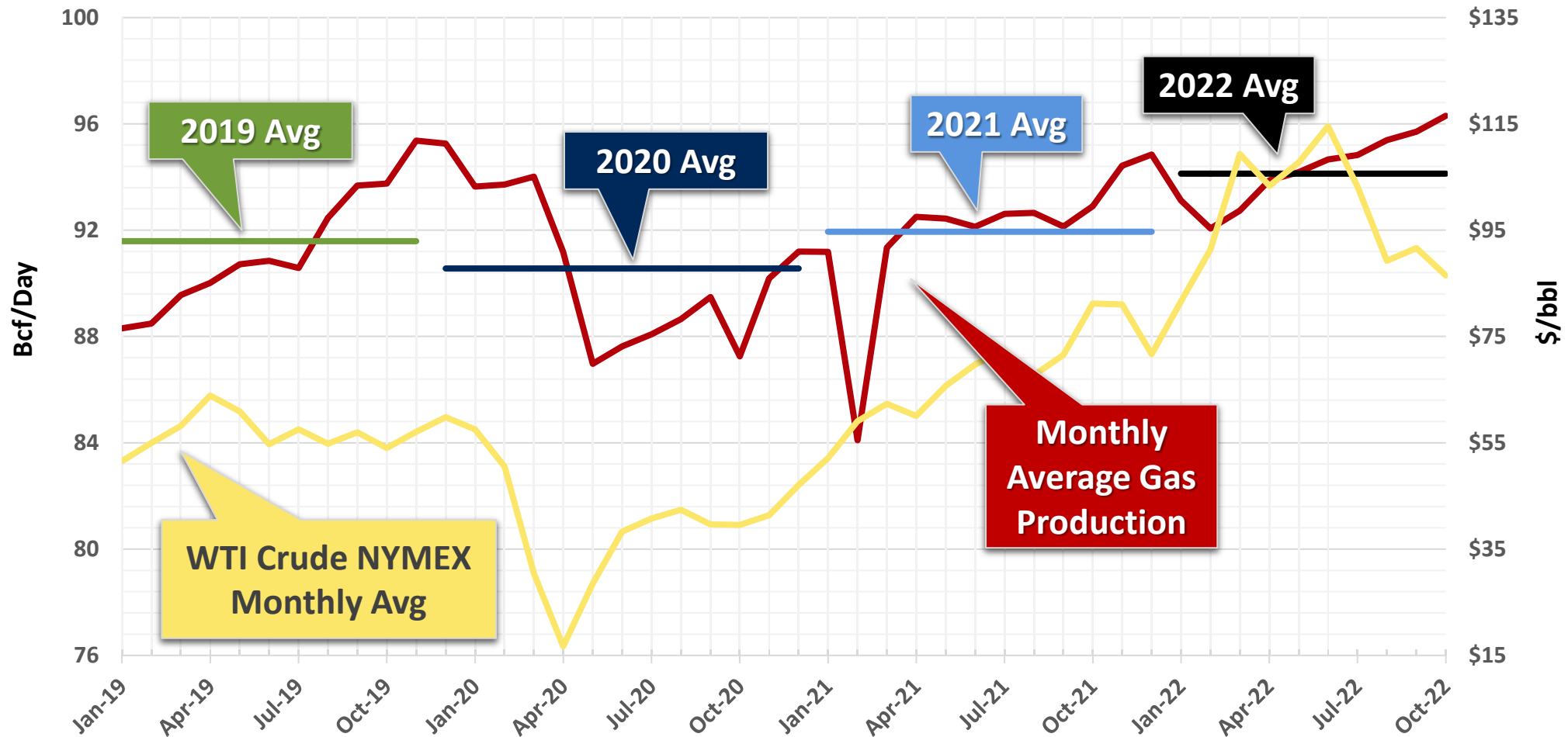
FY 2022 NYMEX Contract \$4.18/MMBtu above Budget

NYMEX Natural Gas FY22 Settlement as of Oct 1, 2022



Natural Gas Production Disconnecting With Oil Price

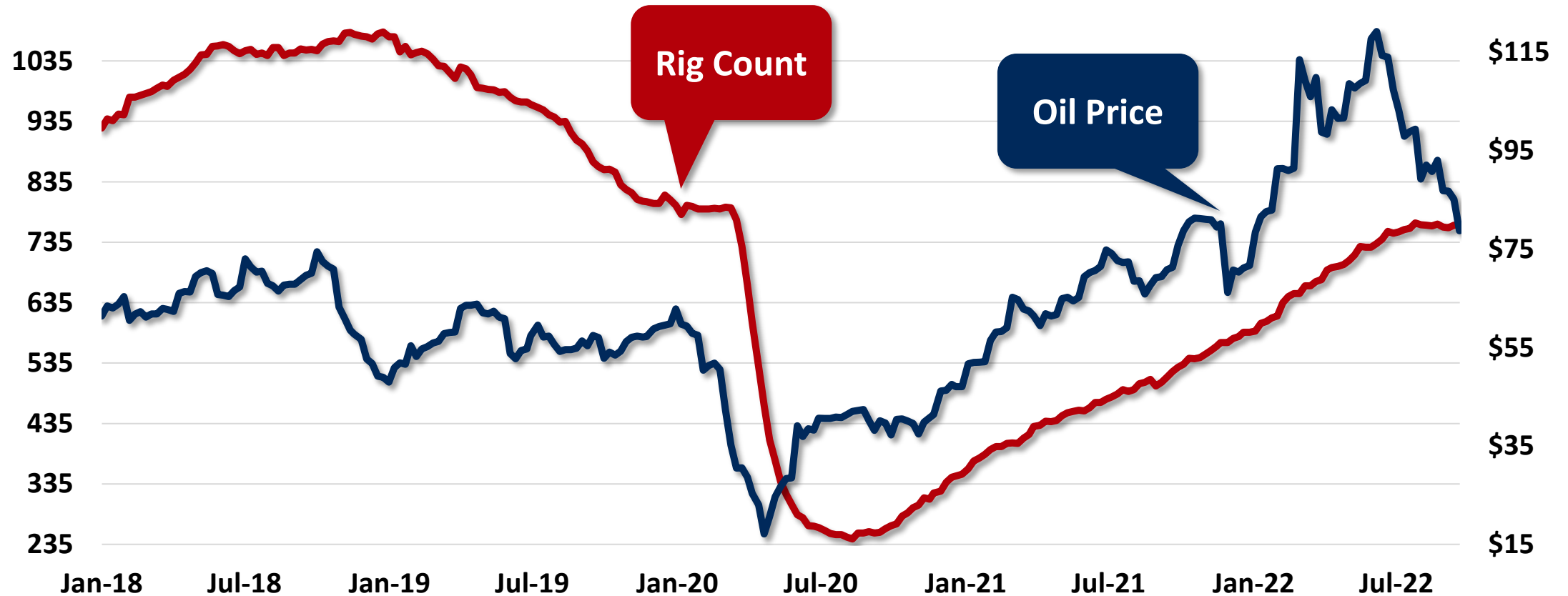
Average Monthly Change Since 2019 to Date (10/1/22)



Oil and Gas Rigs Not Keeping Pace with Demand

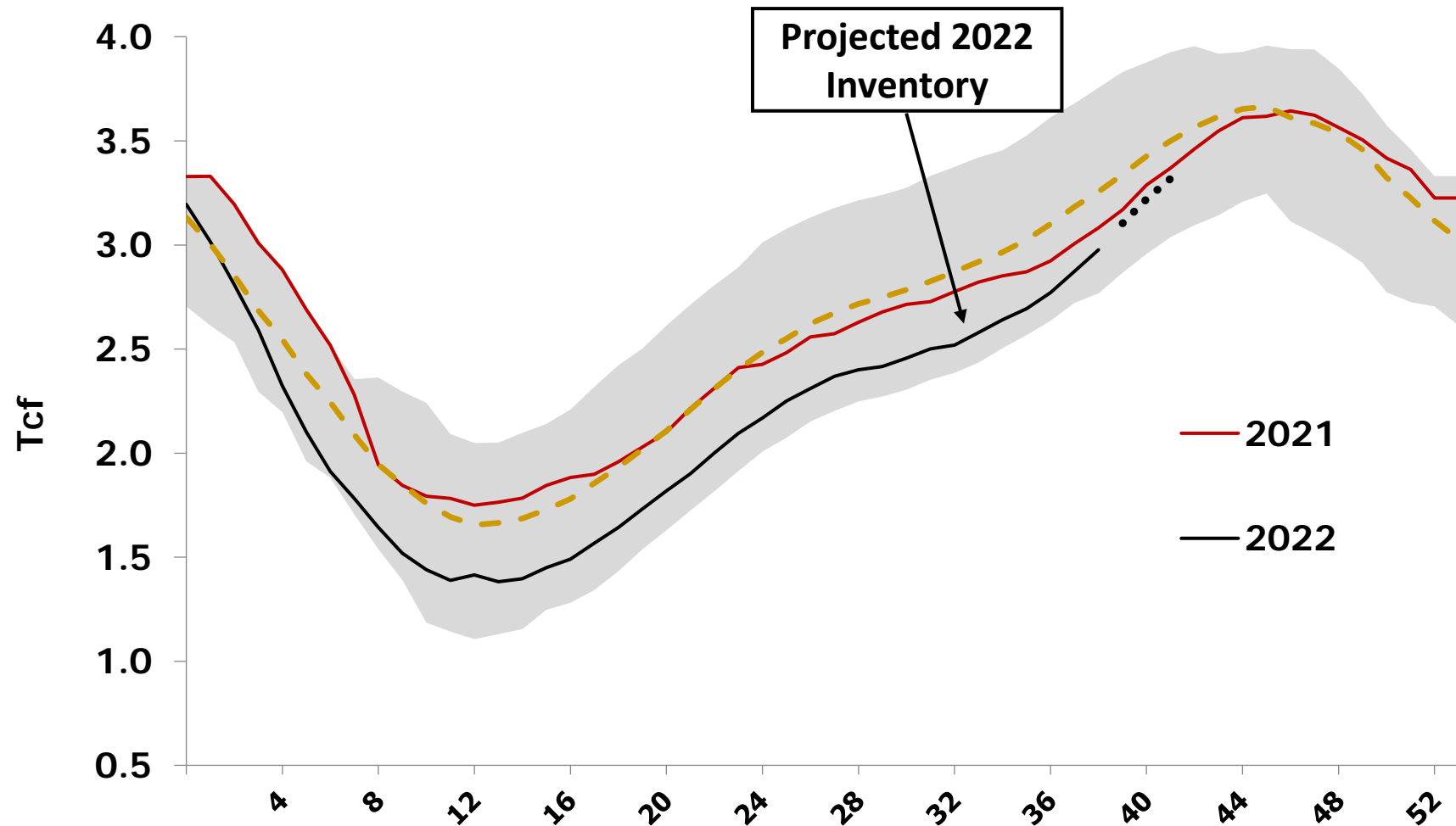
US Rigs at Only 71% of 2019 Levels

US Drilling Rig Count vs. WTI Prompt



Gas Storage Inventory as of Week Ending September 23th

2022 Storage Season forecasted to remain in the Lower Level of the 5 Year Average



| Goal | Status | Actual | YTD Actual | YTD Target | FY 2022 Target | Comment |
|-----------------------|--|--------|------------|------------|----------------|--|
| 5. Cyber-security | Breaches | 0 | 0 | 0 | 0 | |
| | Phishing tests | 0% | 3% | 3% or < | 3% or < | No clicks for September! |
| 6. Reliability | CC EAF | 83.5% | 83.6% | 89% | 89% | CI4 outage – Lightning tripped the unit, started outage early.
CI3 Switchyard lightning arrestor failed. |
| | SI black start and trans. backup | 100% | 87% | 100% | 100% | No starts this month, 20 of 23 successful for the year. |
| 7. Member Reliability | Individual member reliability recommendations/projects | 2 | 16 | 12 | 12 | Bartow & Williston recloser upgrades, Bartow new sub coordination review |
| 8. Member Services | Leadership member visits | 7 | 81 | 75 | 75 | |
| | Projects managed for members | 5 | 37 | 24 | 24 | Bartow/Williston evaluation of KUA's surplus reclosers for installation, Clewiston T2 LTC investigation, NSB coordination review, Newberry |

| Goal | Status | Actual | YTD Actual | YTD Target | FY 2022 Target | Comment |
|---|--------|--------|------------|------------|----------------|--|
| 9. Value of Muni
Presentations, social media | | 1 | 17 | 10 | 10 | Supporting several members with communications on higher costs. Bartow Rotary presentation (9/7) |
| 10. Financing
15K of Prepaid gas min. svgs. of \$0.25/MMBtu | | 42.5 | 42.5 | 15 | 15k/day | 42.5k/day completed at \$0.35/ MMBtu savings of \$5M/year – Approved (1) additional 5k/day summer only, 5k still available to be closed |
| Refinancings | | | 2 | | 1 | <ul style="list-style-type: none"> Forward delivery for Stanton II and St Lucie transactions closed on 7/6/22 and 7/7/22, respectively Closed ARP Pooled Loan on 9/30/22 |
| 11. Solar Phase III | | | | | | <ul style="list-style-type: none"> Discussions ongoing with developers and potential participants Member commitments by Nov. 1 (or asap) |
| 12. People | | 0 | 4 | 2 | 2 | <ul style="list-style-type: none"> 41 participated in emotional intelligence training 23 completed leadership training 25 completed communications training in June |
| | | 8 | 8 | 8 | 8 | <ul style="list-style-type: none"> Completed leadership training for supervisors/potential leaders |

**AGENDA ITEM 6 – INFORMATION
ITEMS**

a. European Electricity Markets

**Policy Makers Liaisons Committee Meeting
October 19, 2022**



6a – European Electricity Markets – An Evolution to Current Conditions

Policy Makers Liaisons Committee

October 19, 2022

European Cost Increases Predated Ukraine Conflict

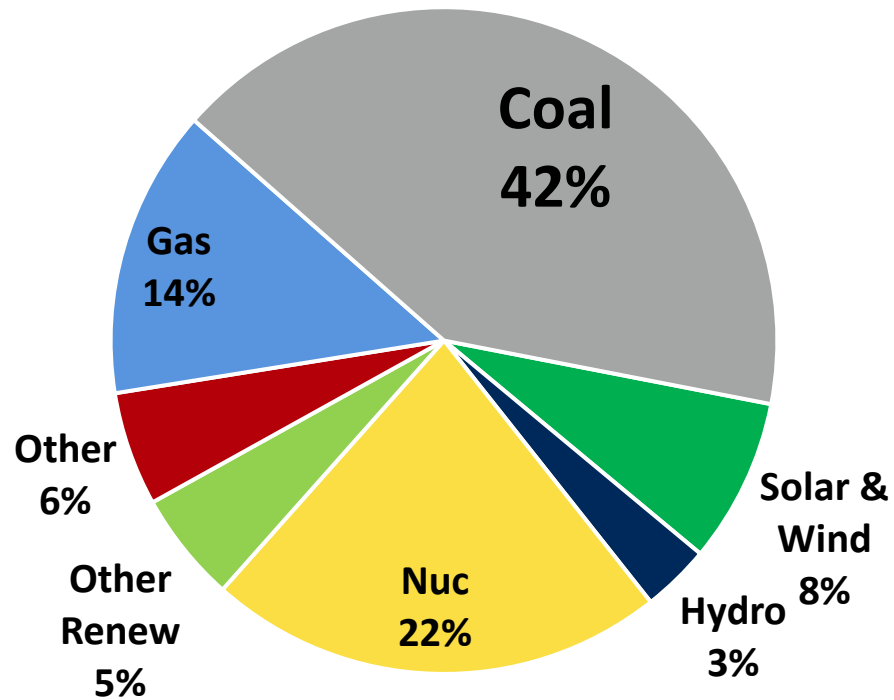
Customers Experienced Higher Costs to Lower Emissions

- European power costs are 3 – 6 times higher than the average U.S. power costs
- Germany increased solar/wind generation 20% pts since 2010, and similarly EU solar/wind increased 14% pts, with Germany reducing reliance on carbon-free nuclear energy
- German and EU electric rates have increased ~75% and 65% respectively since 2010, as CO₂ emissions declined 26%, and 29%, respectively through 2021
 - US CO₂ emission declines (31% since 2020) with only ~20% price increase, driven from low-cost natural gas and tax credits for solar and wind
 - Euro nations include various taxes and emissions into electric prices but U.S. does not
- US electric usage ~2x Europe, EU more exposed to gas usage for heating and cooking
- EU nations combined electric and gas consumption significant challenge at current prices
- Sustained high-cost electricity in US, especially in FL, challenges standard of living
- Emissions reductions should be paired with cost-effectiveness while preserving reliability

Germany PV/Wind Up 20% Pts, Nuclear Down 10% Pts

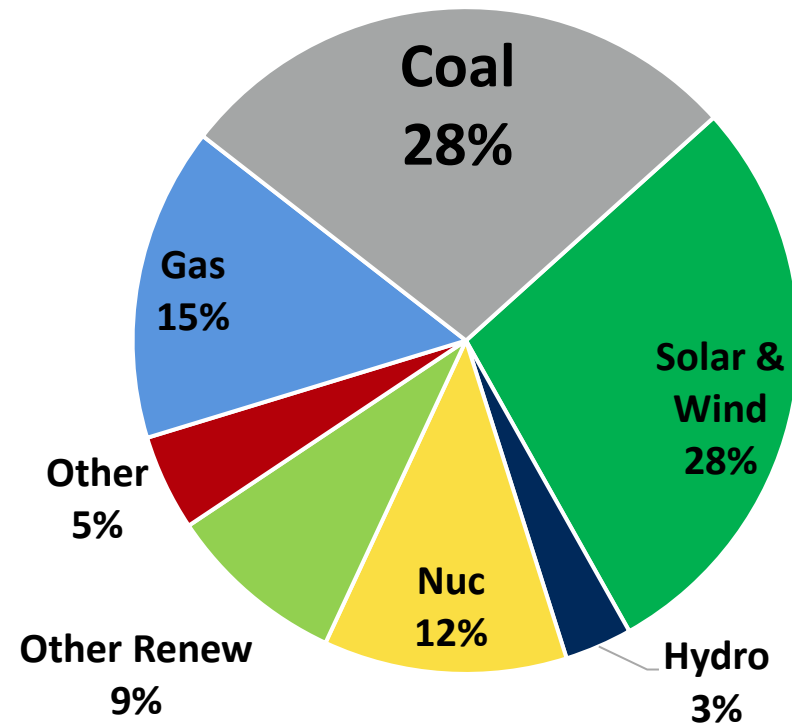
Large Shift From Coal to Renewables, Increase in Purchases

Germany 2010



Total Generation 633 TWh

Germany 2021

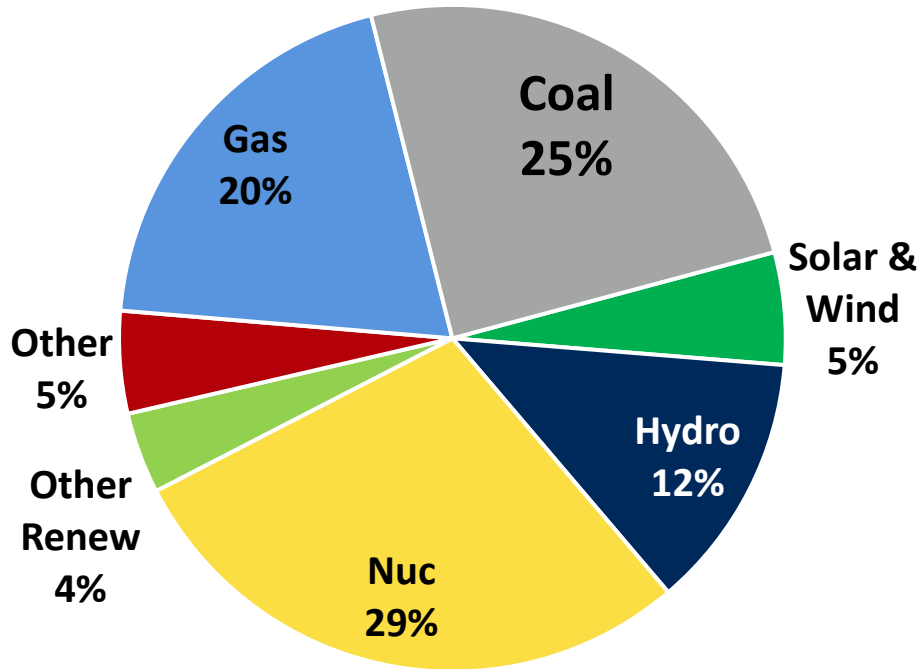


Total Generation 585 TWh

EU 27 Solar and Wind Up ~14% Pts

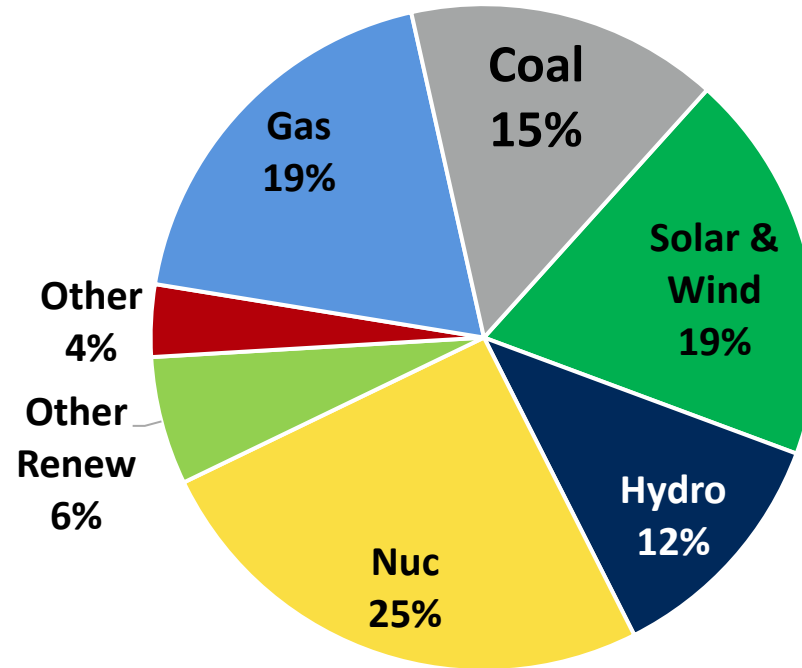
Shift to Renewables, Decreasing Coal and Nuclear

EU27 2010*



Total Generation 2,982 TWh

EU27 2021

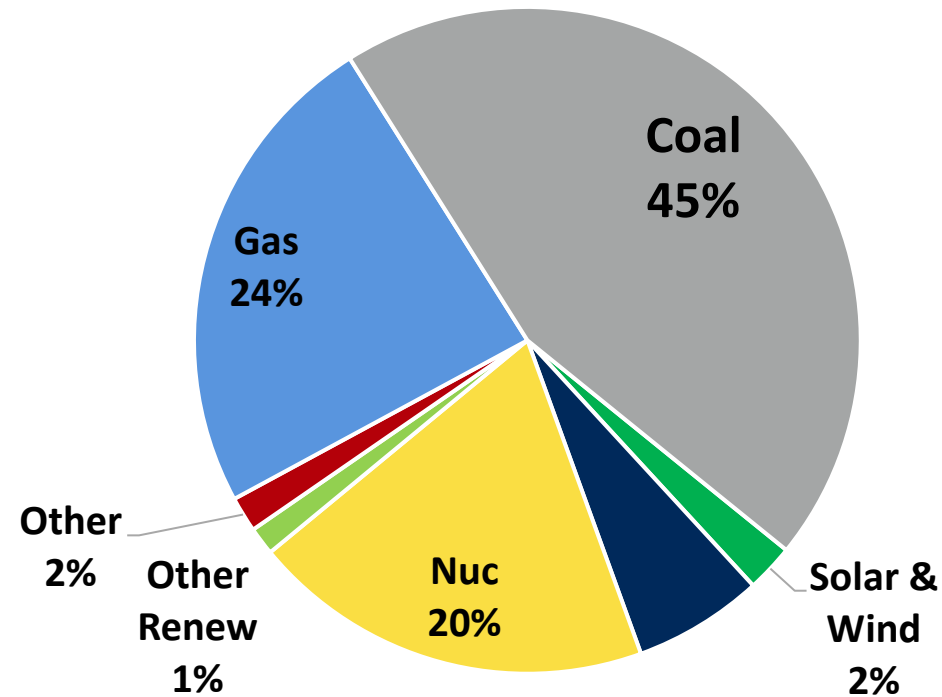


Total Generation 2,895 TWh

US Gas Up 14% Pts; Solar and Wind Up ~10% Pts

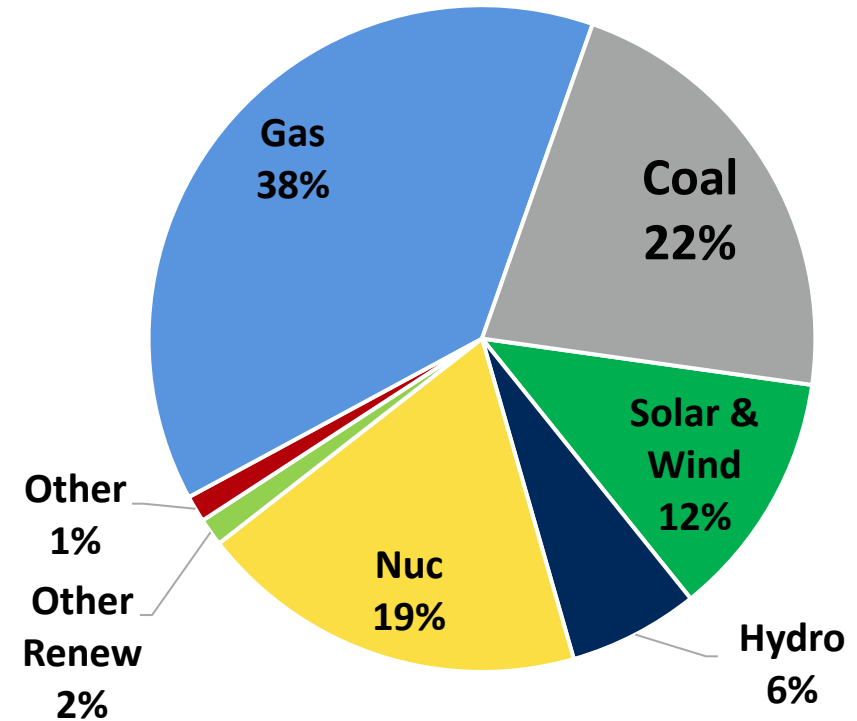
U.S. Coal Generation Cut in Half

US 2010



Total Generation 4,116 TWh

US 2021



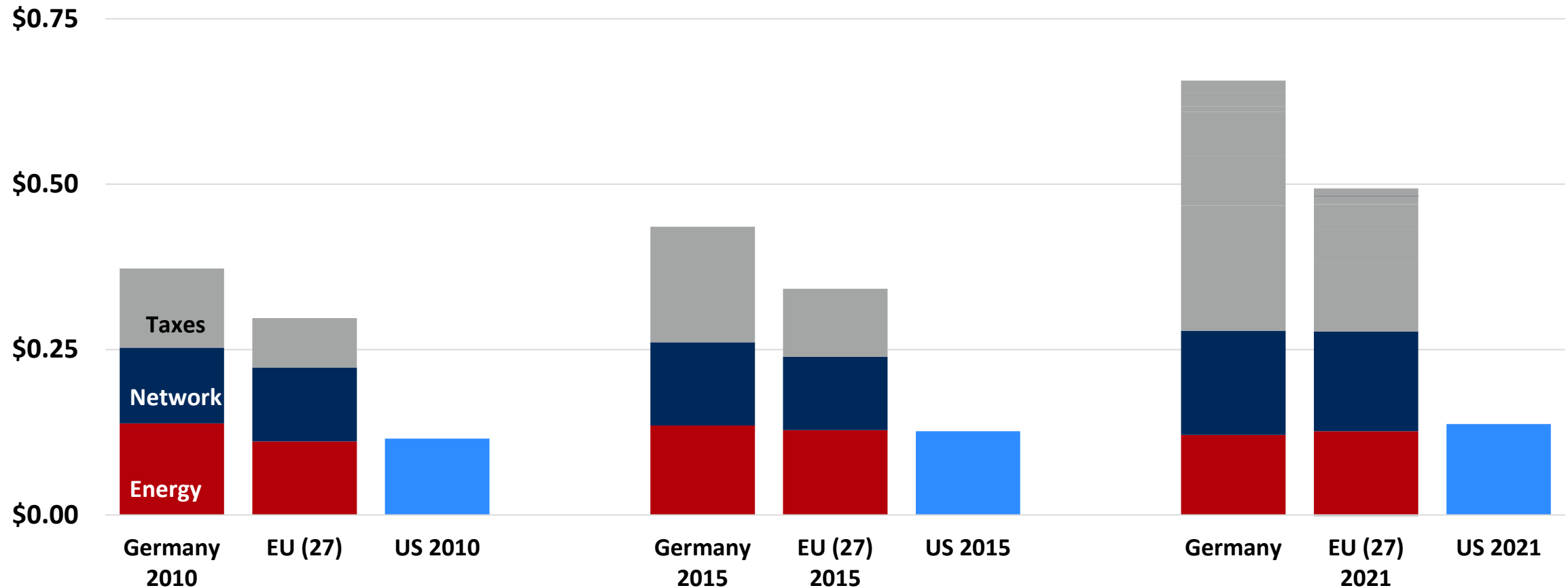
Total Generation 4,125 TWh

*Source: EIA

German Power Prices Up 75% in 11 Years to 0.66 Euro/kWh

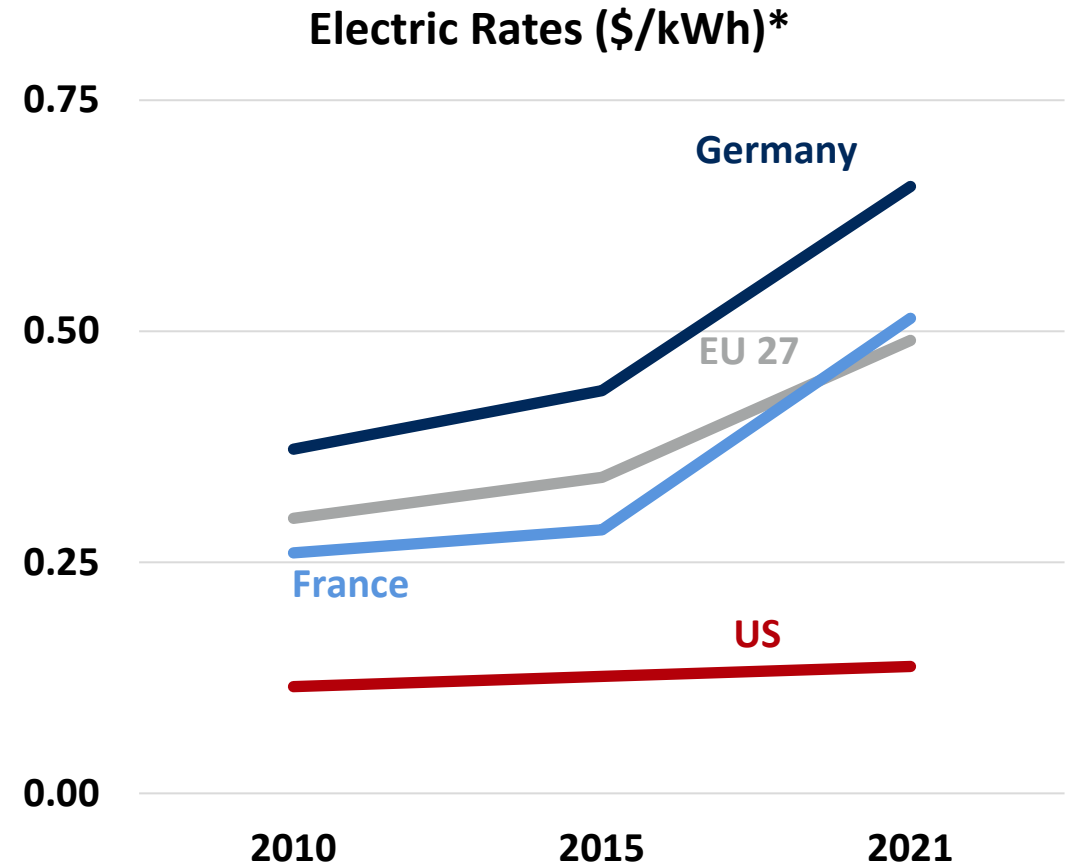
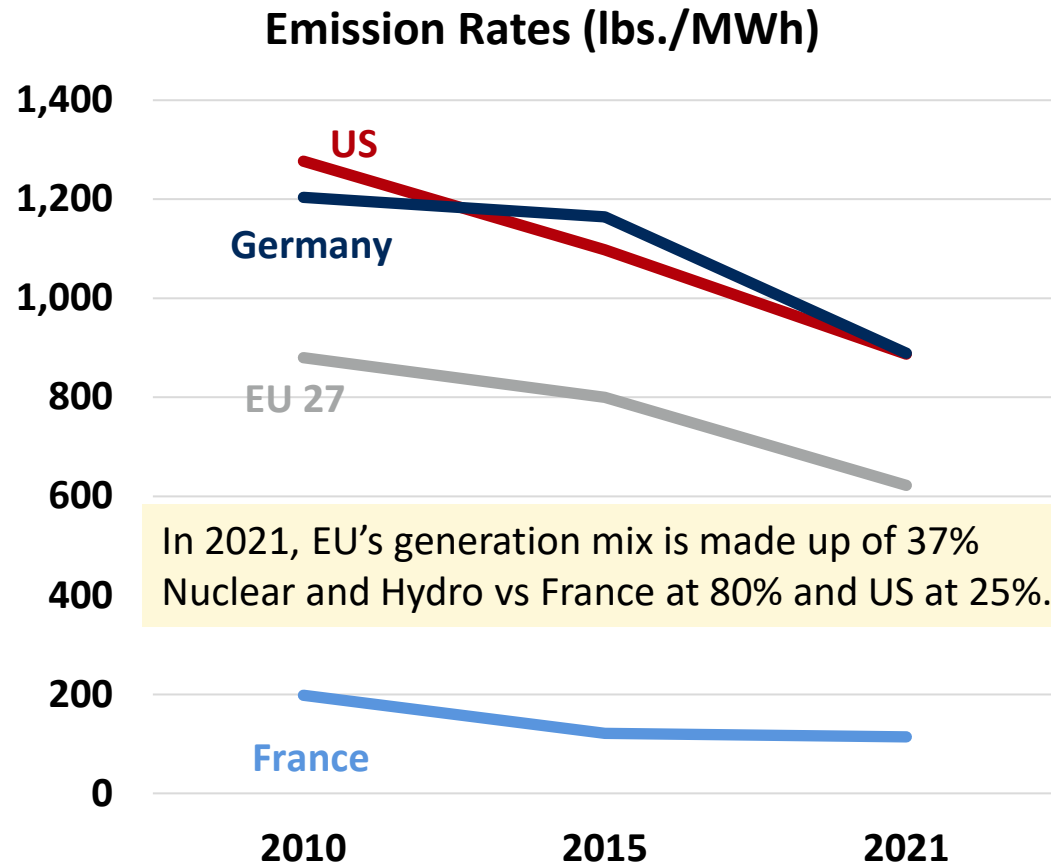
EU Power Costs Are 3 – 6 Times Higher Than in U.S.

11 Years of European Union Electricity Prices (<1000kWh) (Euro/kWh)



US Emissions Down Similarly as EU at Far Lower Cost

Access to Low-Cost Natural Gas, ITC, Wind PTC Approach



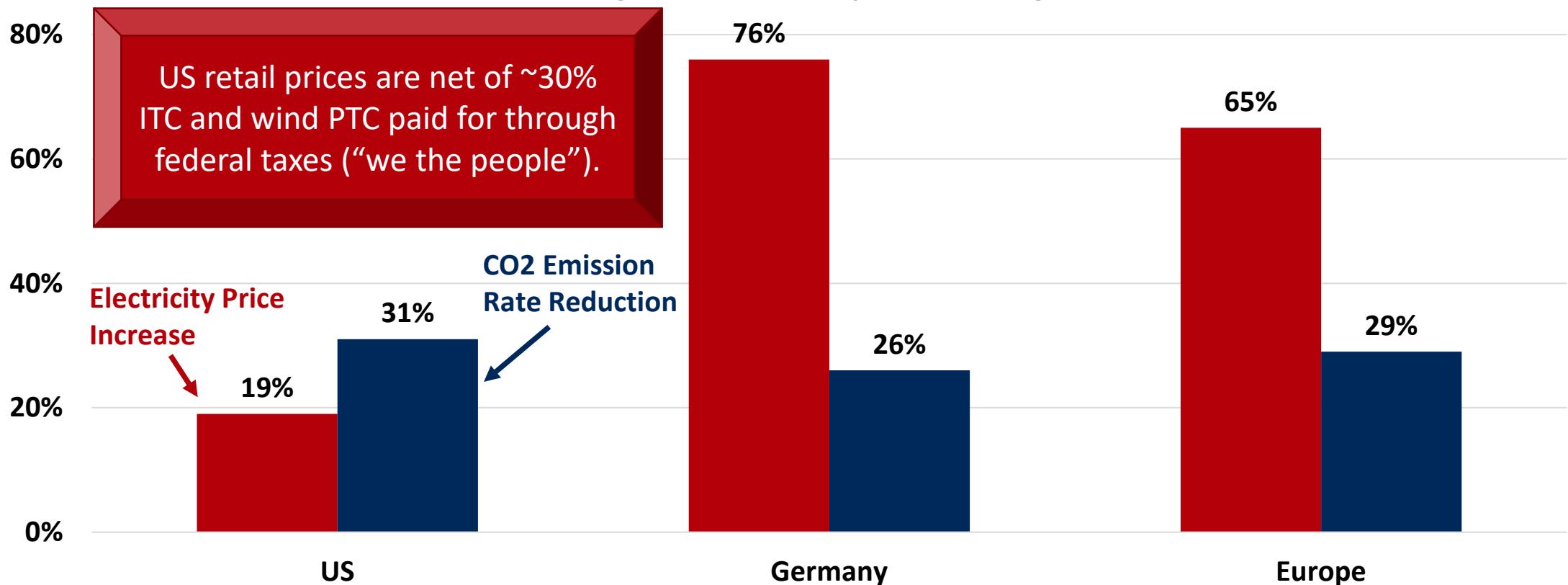
*USD and Euro are approximately 1 to 1 (9/1/22).
France 2010 prices not available; 2012 used in graph.

Source: Europe data from <https://ec.europa.eu/Eurostat> and bp Statistical Review of World Energy June 2022 and EEA.europa.edu. US data from EIA. Emission rates are preliminary.

US Emissions Reductions More Cost-Effective vs. EU

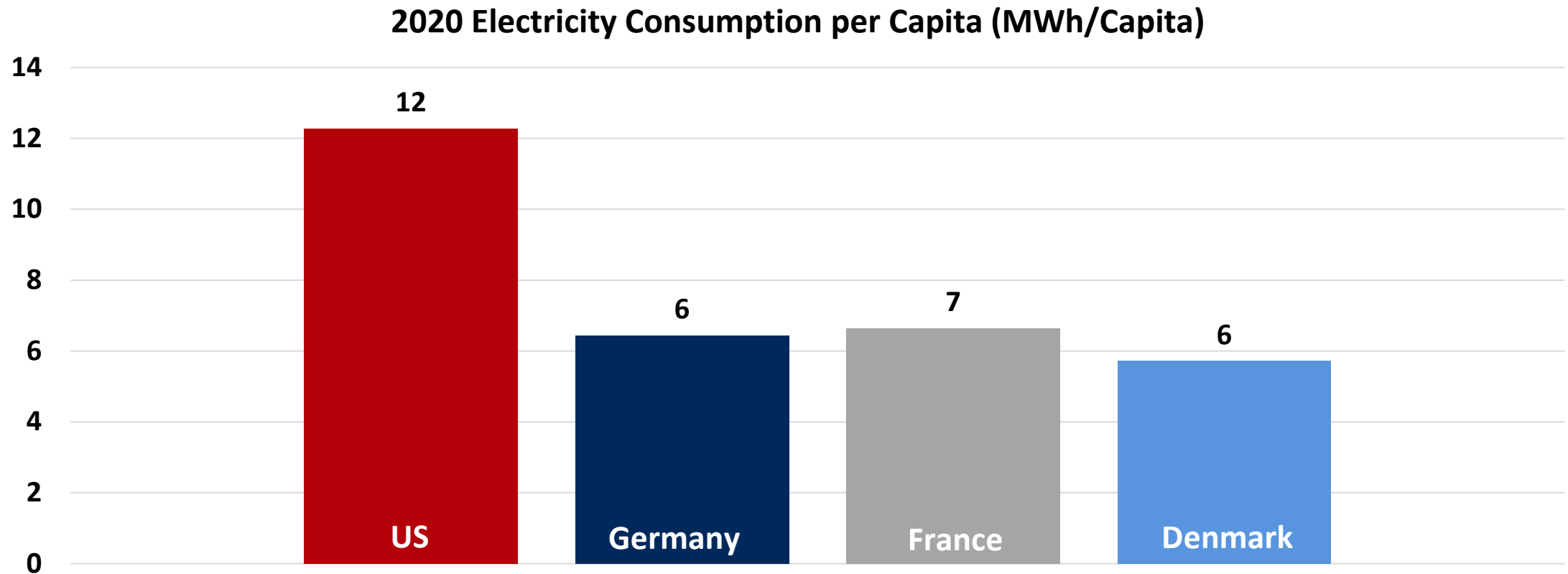
Germany's Higher Taxes Passed Through, US Taxes Indirect

CO2 Emission Rate Change and Electricity Price Change From 2010 - 2021



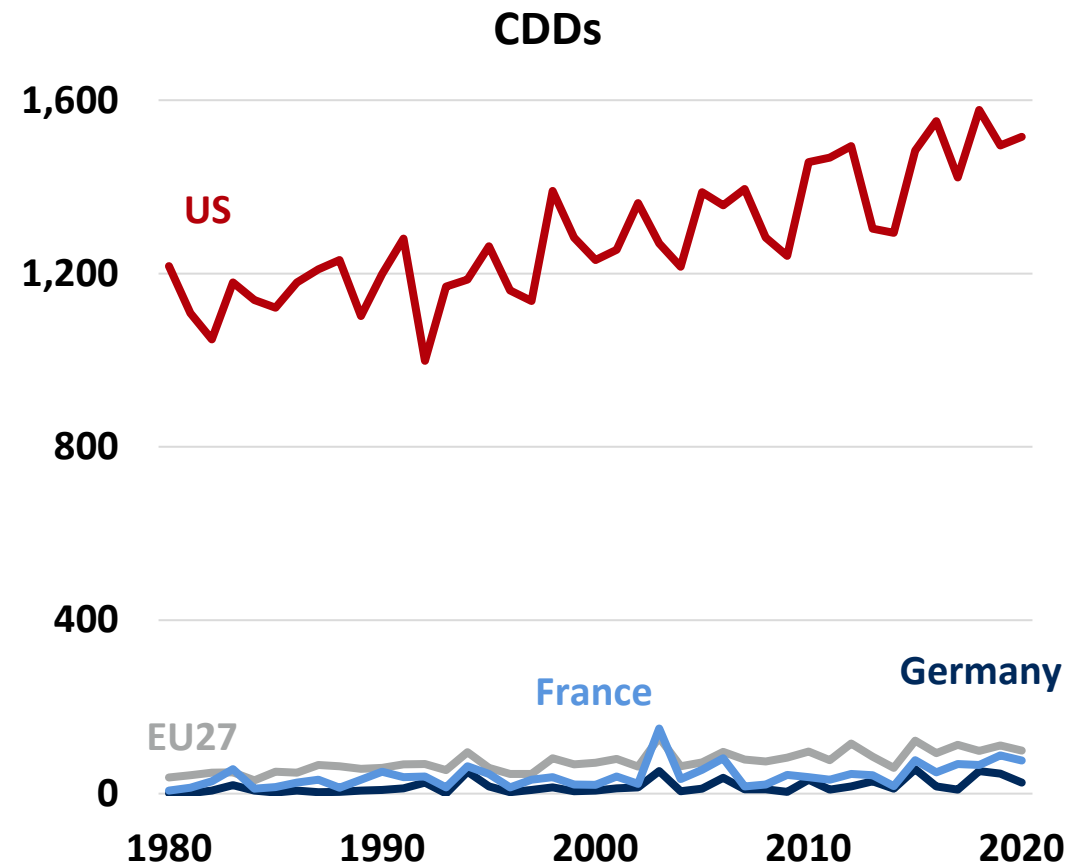
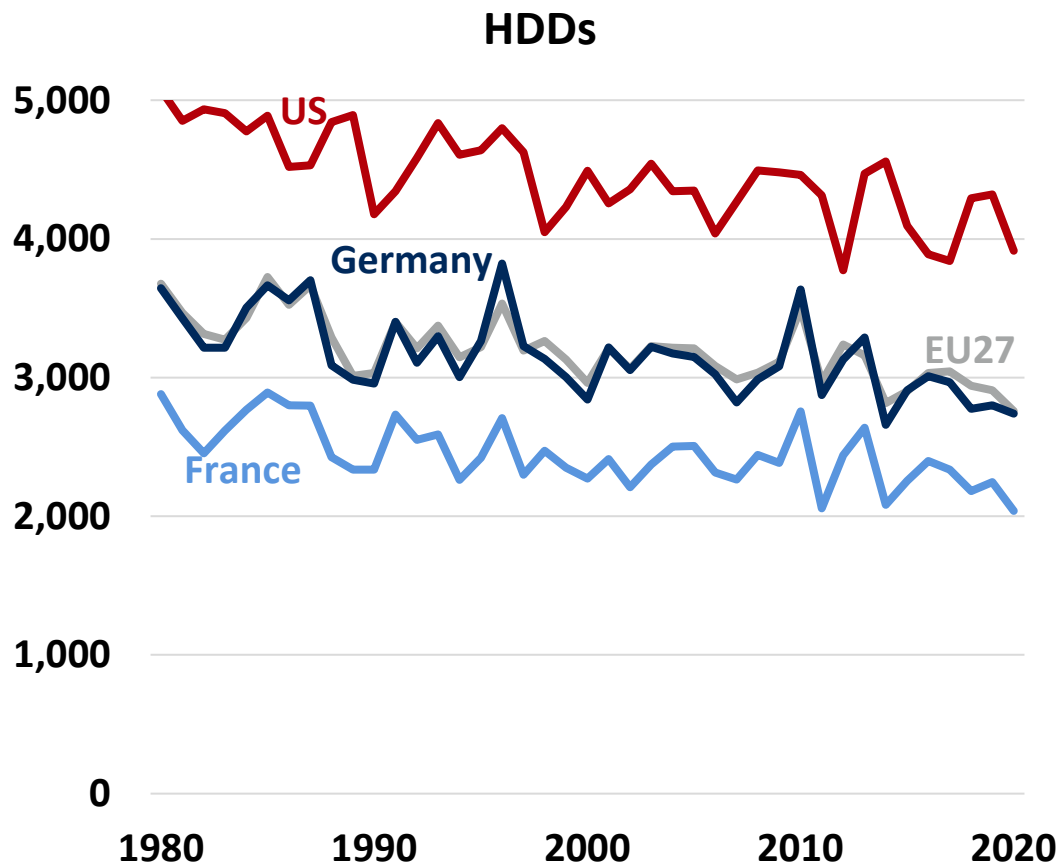
Electricity Consumption Level Drives Price Pain

US Electricity Usage ~2x Germany's and Disparity Growing



US Weather is More Extreme than Europe

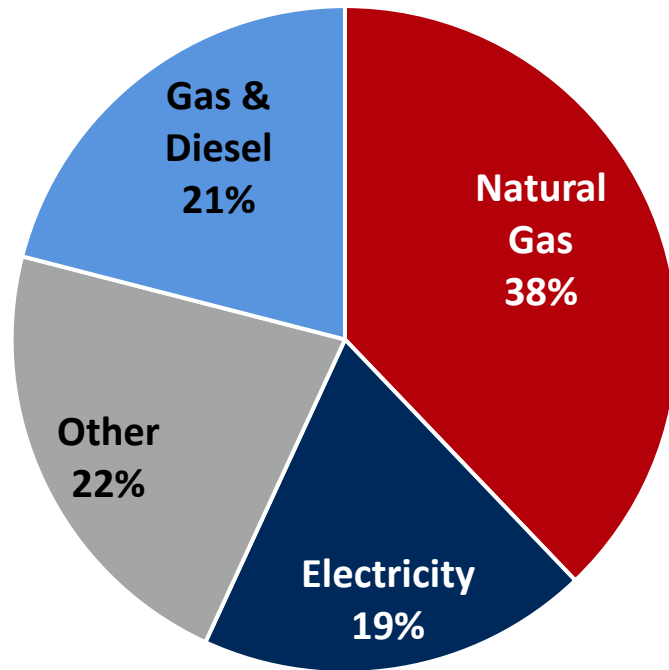
US Has Significantly More CDDs Than Any European Country



Germany, EU More Gas Dependent at Household Level

Exposure to Volatility High for Gas Prices

2020 German HH Energy Consumption



- Some European nations consume significant amounts of natural gas for household purposes
 - Heating and cooking
- Exposure to fuel volatility not always directly driven from electric prices
- Natural gas price increases since start of Ukraine conflict have significantly strained consumer ability to pay

European Energy Crisis Deepening For Winter 2022/23

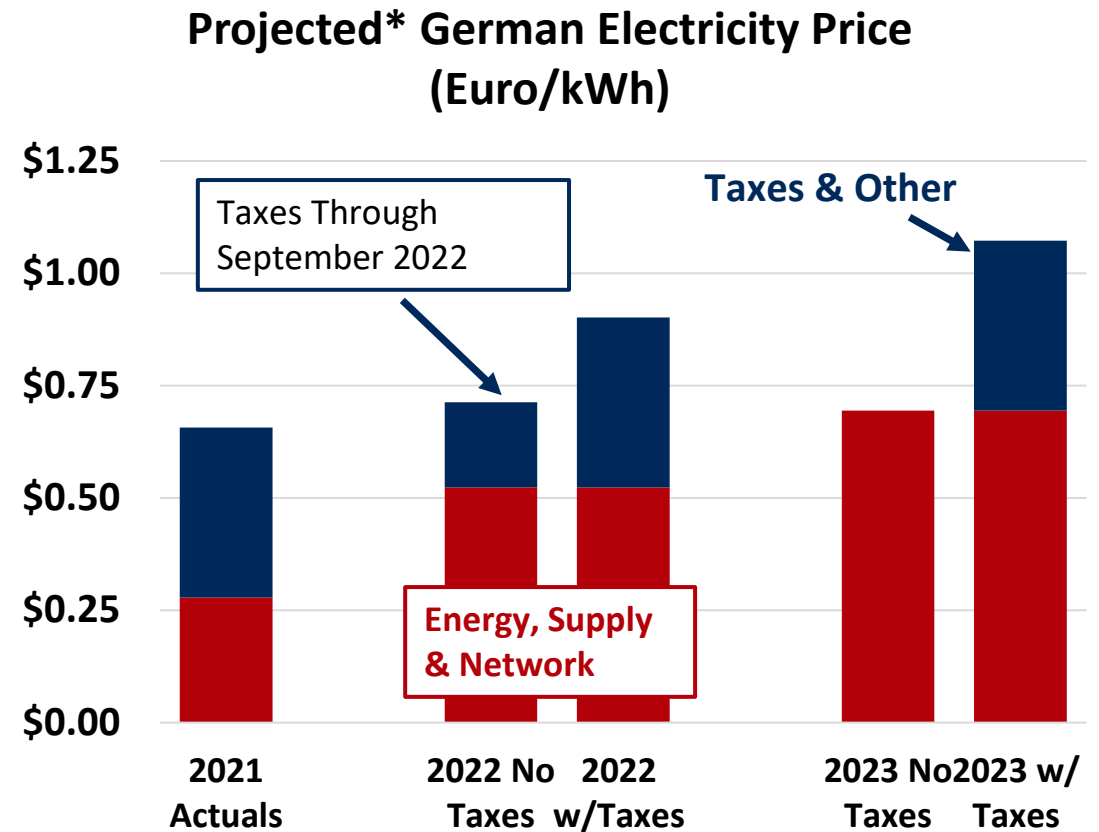
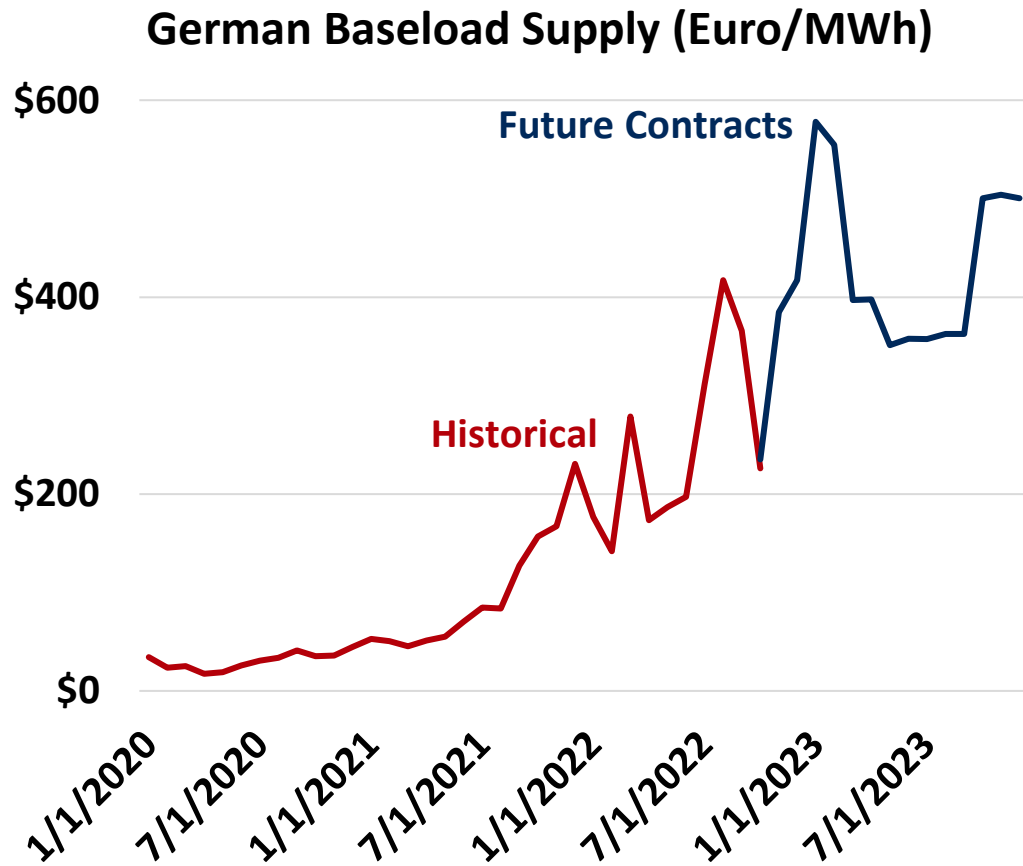
Taxes Suspended, Prices Capped in Attempts to Calm Concerns

- Russia curtailed Nord Stream 1 natural gas by 77% in June 2022, sporadically shutting down the pipeline in the months following, citing maintenance
 - Late September, Nord Stream 1 & 2 pipelines in the Baltic Sea experienced explosions, shutting off supply indefinitely
 - Russia supplies ~18% of winter gas to the EU (Oct to Mar), Germany usage reported to be down to ~35%
- EU gas storage at 90% full, which is inline with the 5-year average w/ target of 90% by Nov
 - Current storage will meet ~36% of typical winter consumption, but supply still exposed to Nord Stream issues
 - Typically, storage supplies ~30% of gas consumed in winter
- September average EU Dutch TTF gas price ~\$64/MMBtu vs ~\$9.4/MMBtu (Henry Hub)
- Power Market prices in EU reached \$400/MWh, German baseload futures at ~\$575/MWh for winter
- Rationing and price caps for gas and power – Governments paying rest with wide range of approaches
 - EU passed on 10/6/22 a levy on European electricity companies to redistribute profits to companies and households
 - Reduction of electricity consumption, 10% of all hours between Dec '22 and Mar '23, >=5% during peak hours

Sources: <https://graphics.reuters.com>, <https://www.celsiusenergy.net/>, <https://www.bbc.com>, <https://ec.europa.eu/eurostat>, <https://euenergy.live/>, <https://www.cmegroup.com/>, <https://www.ft.com>

German Future Energy Contracts Up, Taxes Uncertain

~20% – 77% Increase in Retail Electricity Prices Plausible

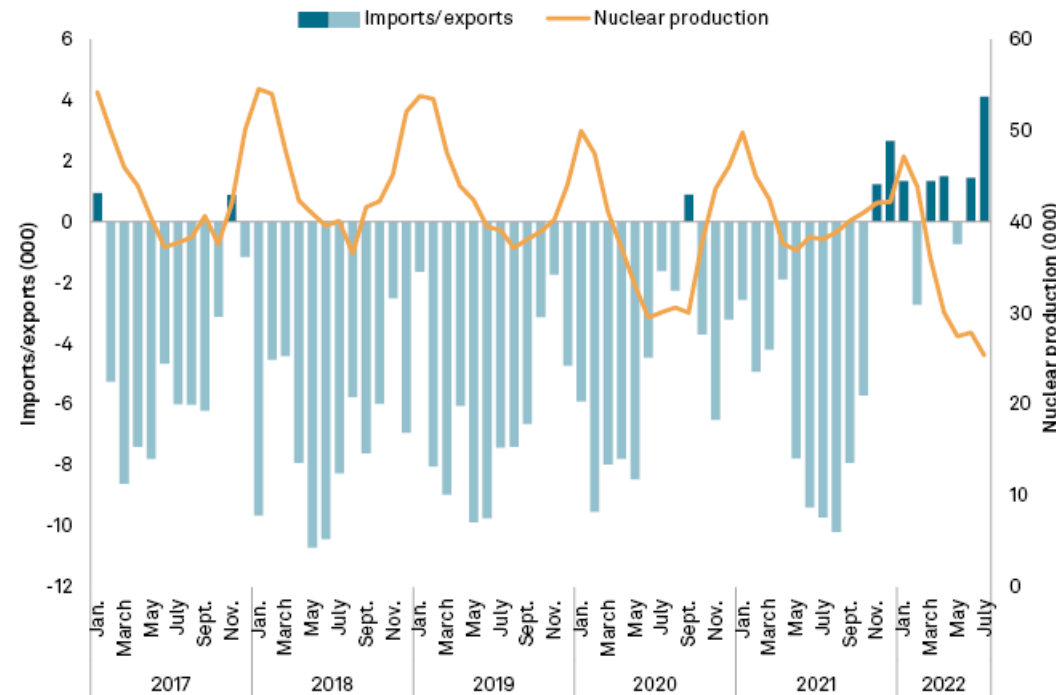


*Germany has initiated certain cost caps, demand reduction orders, and relief packages that will impact reported cost. EU also seeking 140 billion Euros from energy firm windfalls to further shield customers.

Nuclear and Hydro Underperform, Add to Pressure

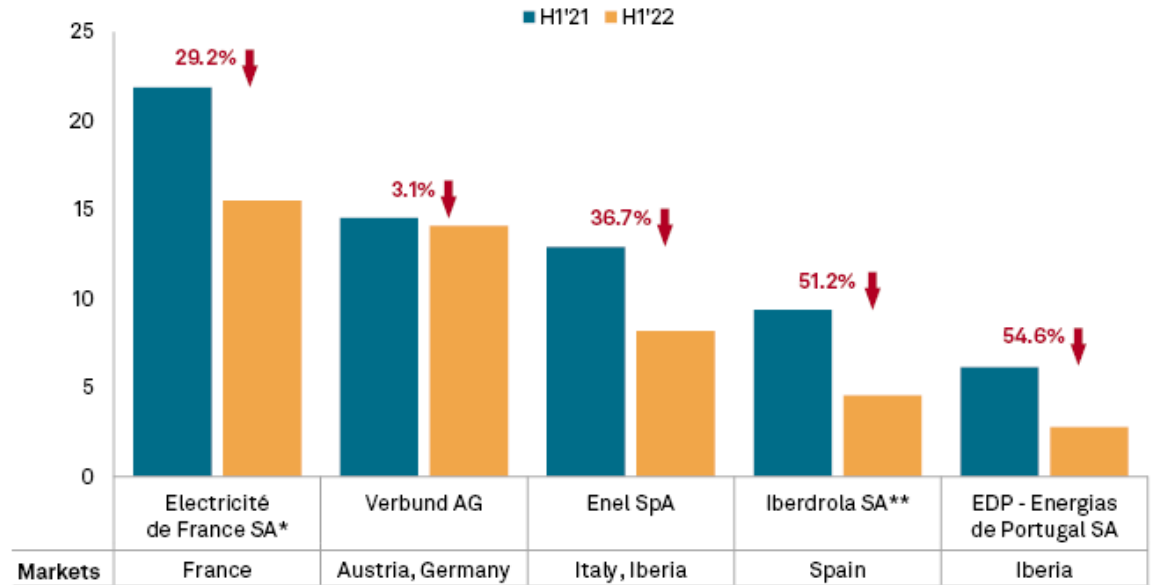
French Corrosion at Nuclear Sites and Low Hydro Reservoirs

France shifts from exporter to importer as nuclear production drops
(Hourly average in MW)



Data accessed Aug. 22, 2022.
Sources: EnAppSys; the European Network of Transmission System Operators for Electricity

European hydropower production down in H1'22 due to droughts (TWh)



Data accessed Aug. 3, 2022.
* Excluding island activities and pumped-storage hydropower.
** Excludes mini-hydro.
Source: companies

Low-Cost, Clean, Reliable Energy Essential to FL & US

Energy Empowers Consumers High Living Standard

- Emissions reductions must be paired with cost effectiveness while not sacrificing reliability – US more successful thus far than EU
- US/FL consumes 2x electricity vs. Germany/EU and can ill afford sustained similar price increases, which predated current Euro conflict
- Hypertaxation and hyper-pacing likely leads to reduced standard of living as consumers spend increasing amounts of income on energy
 - Reduces empowerment to otherwise thrive
- Access to lower-emission natural gas and continued exploration of advanced nuclear technologies can co-exist with more PV + wind



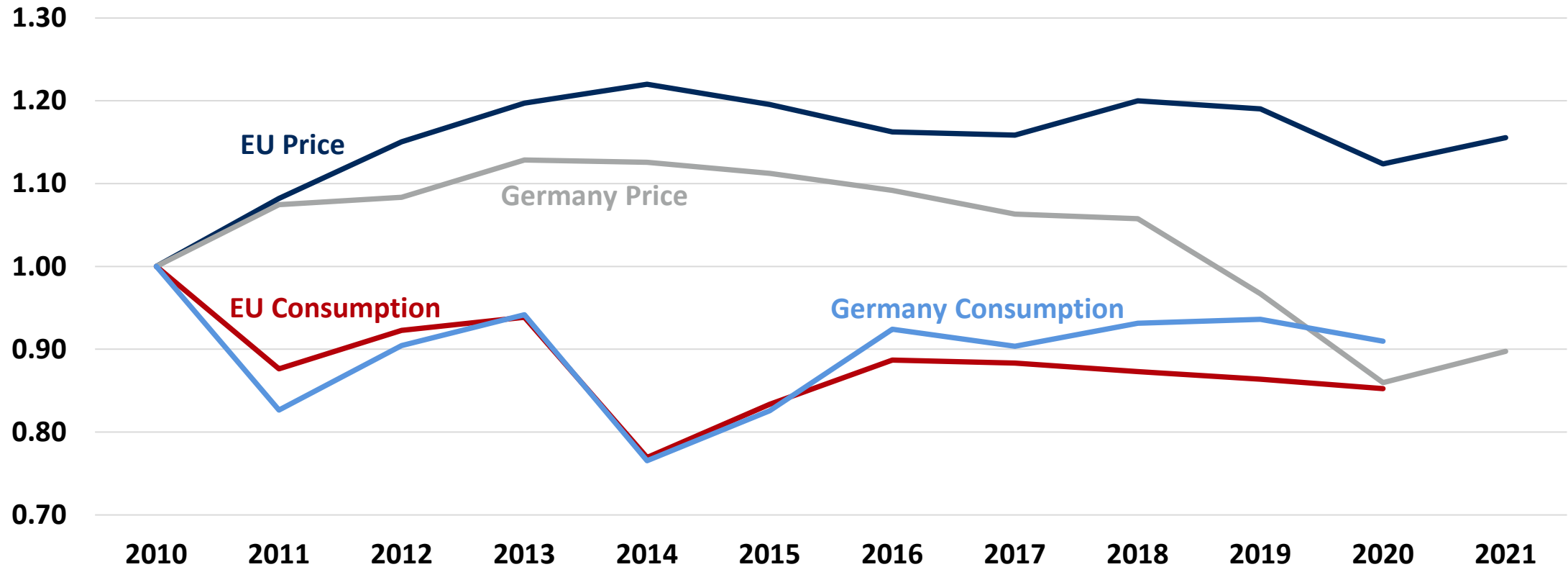
Appendix



EU Gas Price Per Household Increases

Overall Consumption Decreases Since 2010

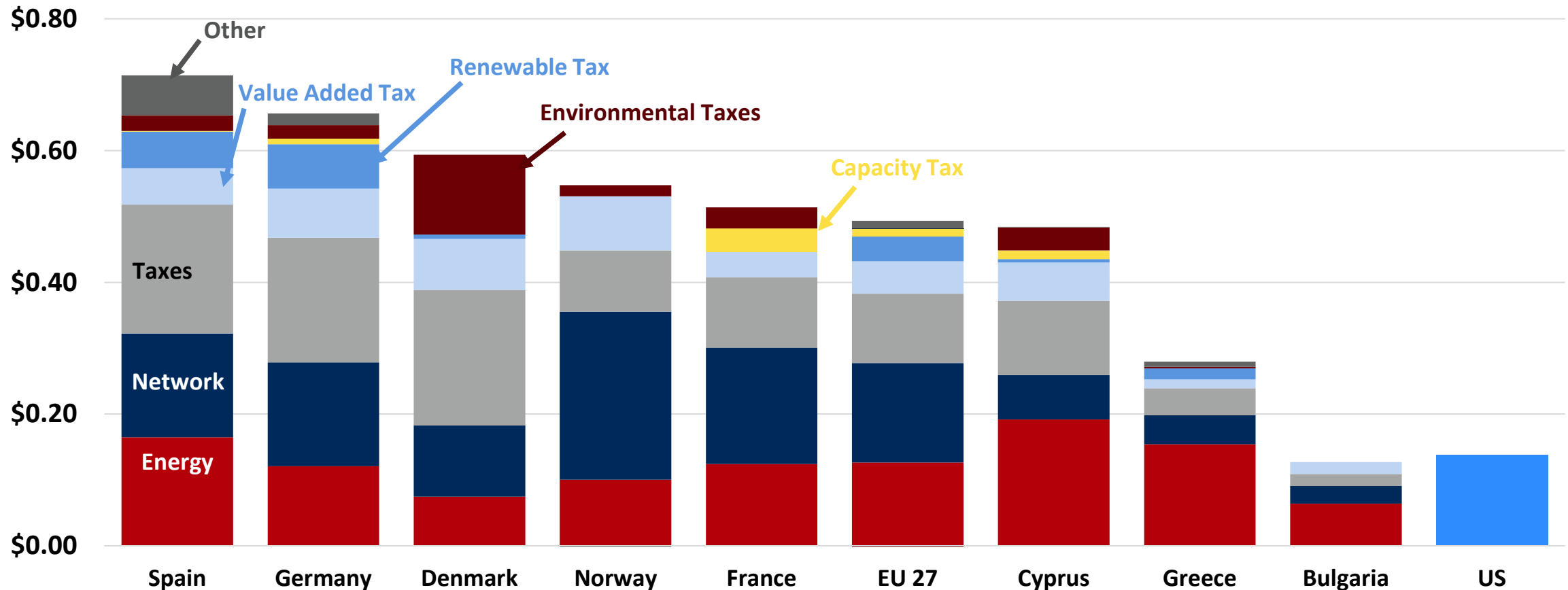
EU 27 & Germany Household Natural Gas Price vs Consumption Indexed to 2010



European Electricity Prices Vary Within the EU

EU Minimum Taxes and Individual Country Taxes Are Drivers

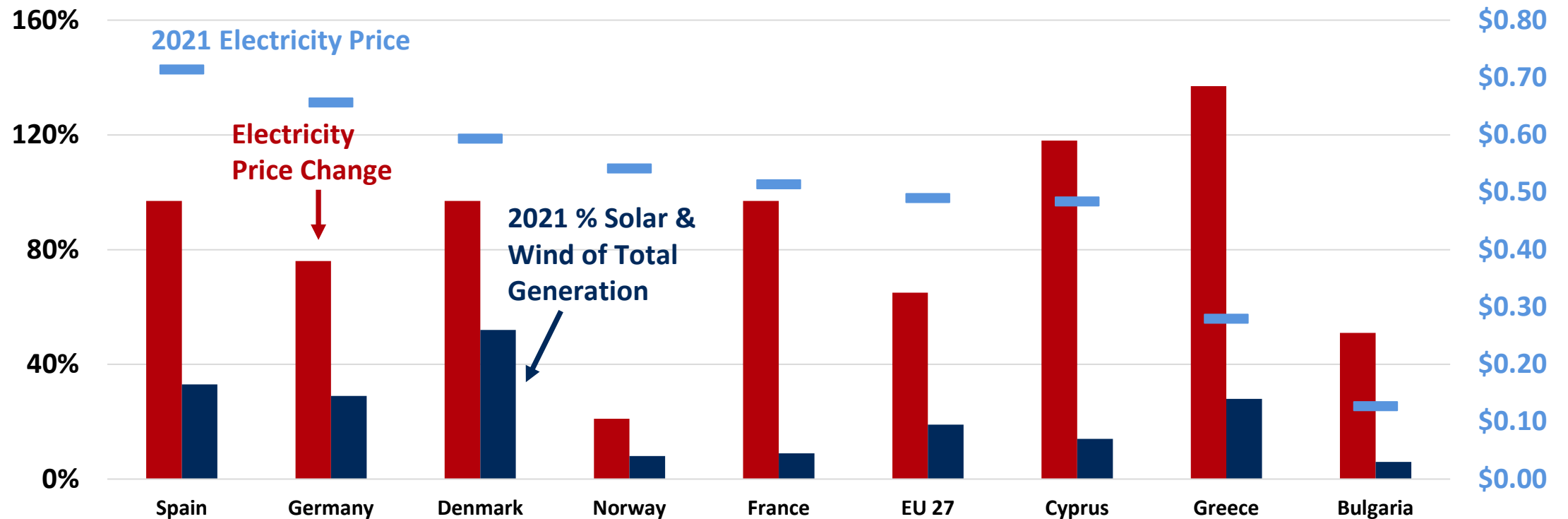
2021 European Price of Electricity (<1000kWh) (Euro/kWh)



Renewable Growth High For Expensive Countries

Taxes, Energy Mix, Geography All Affect Energy Price

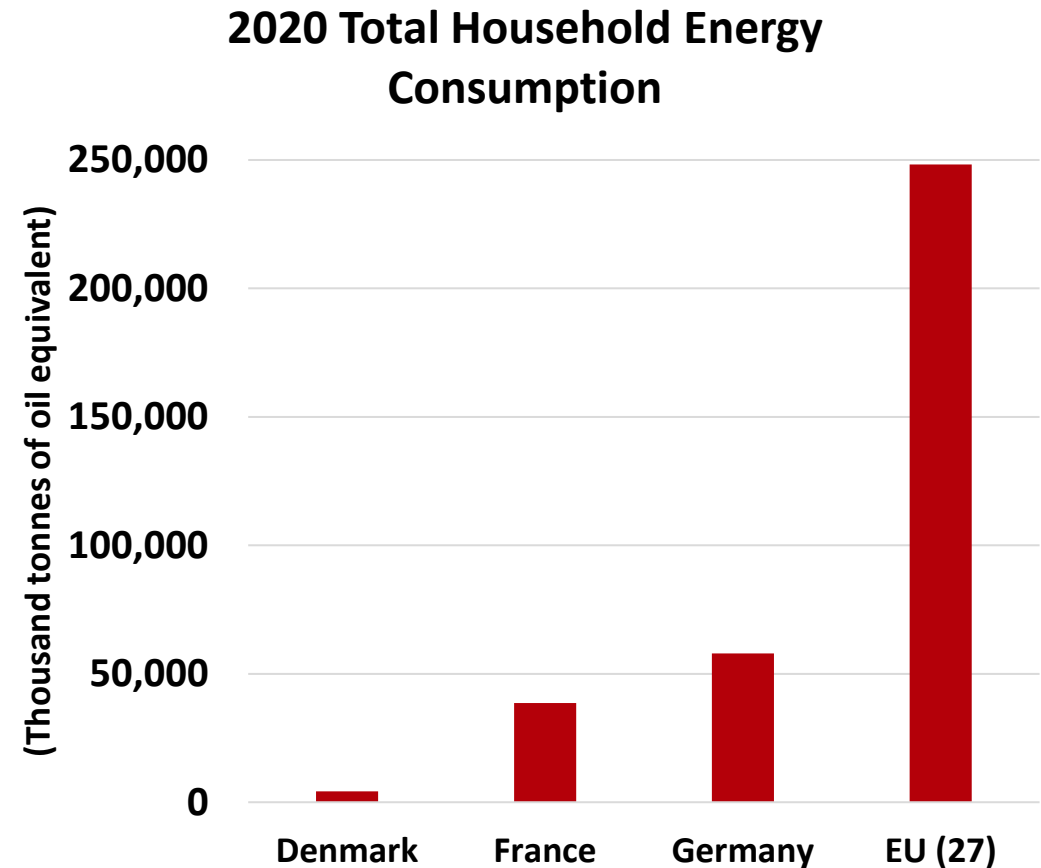
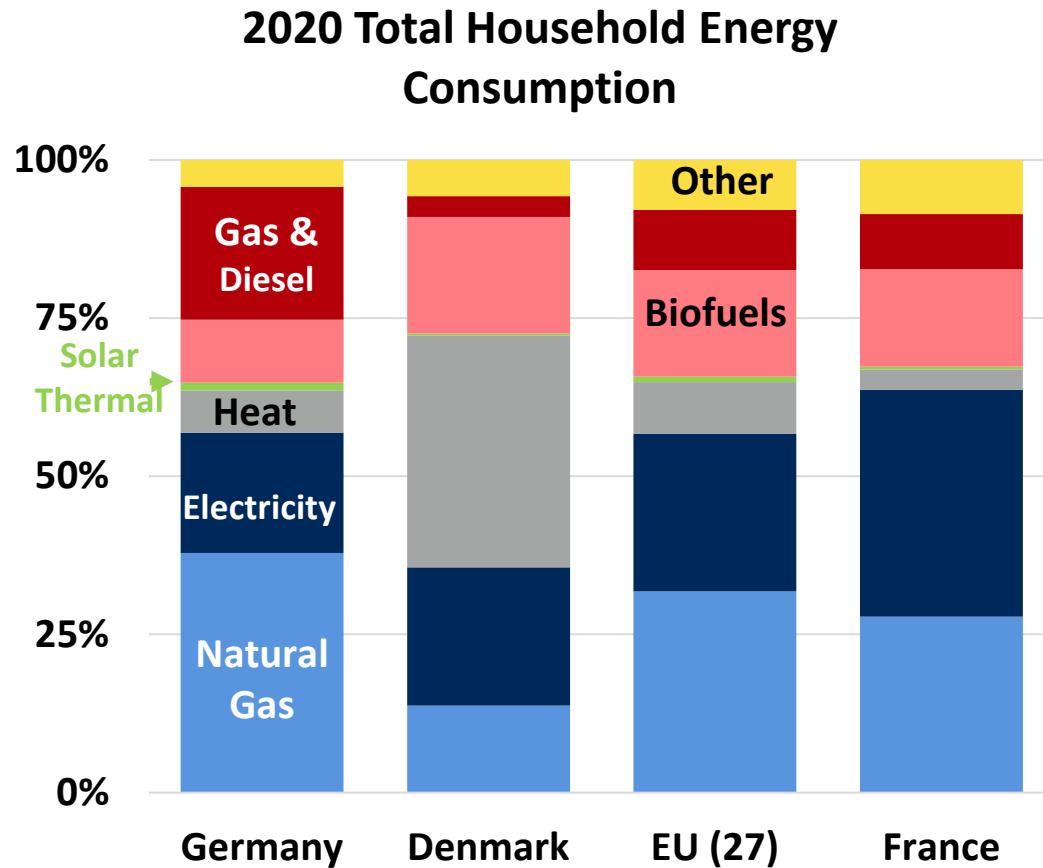
2010-2021 Delta in Electricity Price and 2021 Percent Solar & Wind as Percentage of Total Generation and 2021 Price (Euro/kWh)



Source: Europe data from <https://ec.europa.eu/Eurostat> and bp Statistical Review of World Energy June 2022.

Europe Has Diverse Household Energy Consumption

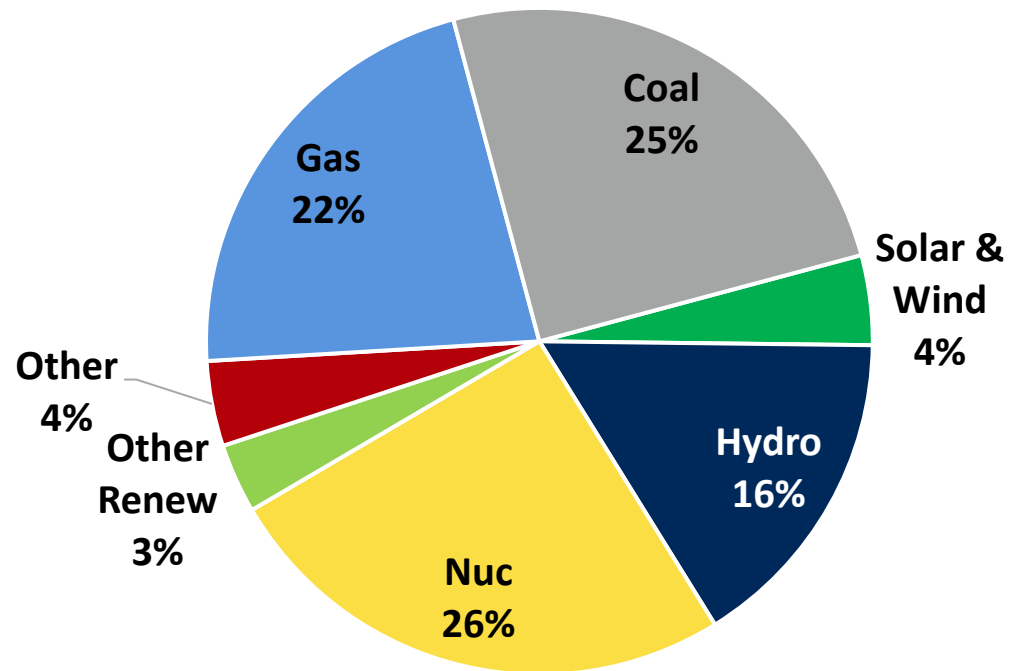
Germany & France Largest Consumption in EU



Europe Energy Mix Transition

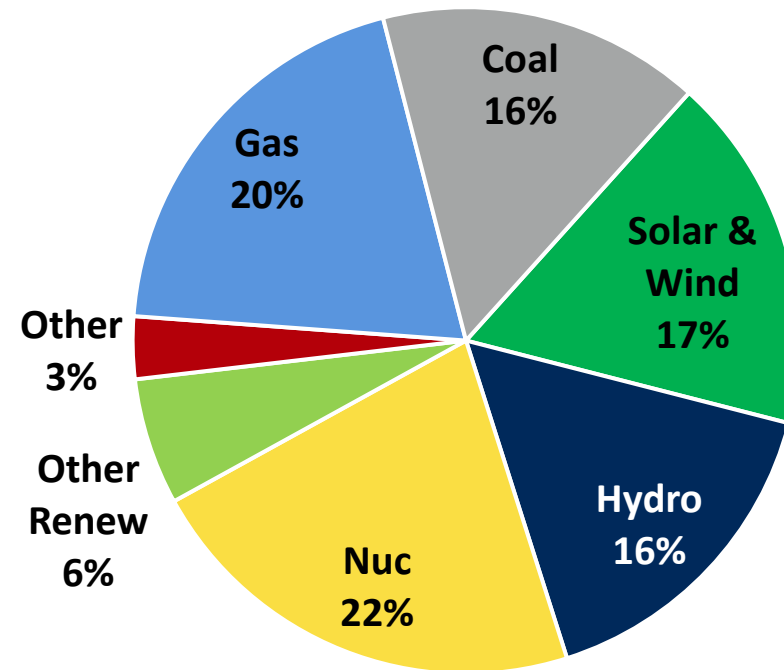
Shift to Renewables, Decreasing Gas, Nuclear and Coal

Europe 2010*



Total Generation 4,065 TWh

Europe 2021



Total Generation 4,032 TWh

**AGENDA ITEM 6 – INFORMATION
ITEMS**

**b. Gas Price Stability and Legislative
Update**

**Policy Makers Liaisons Committee Meeting
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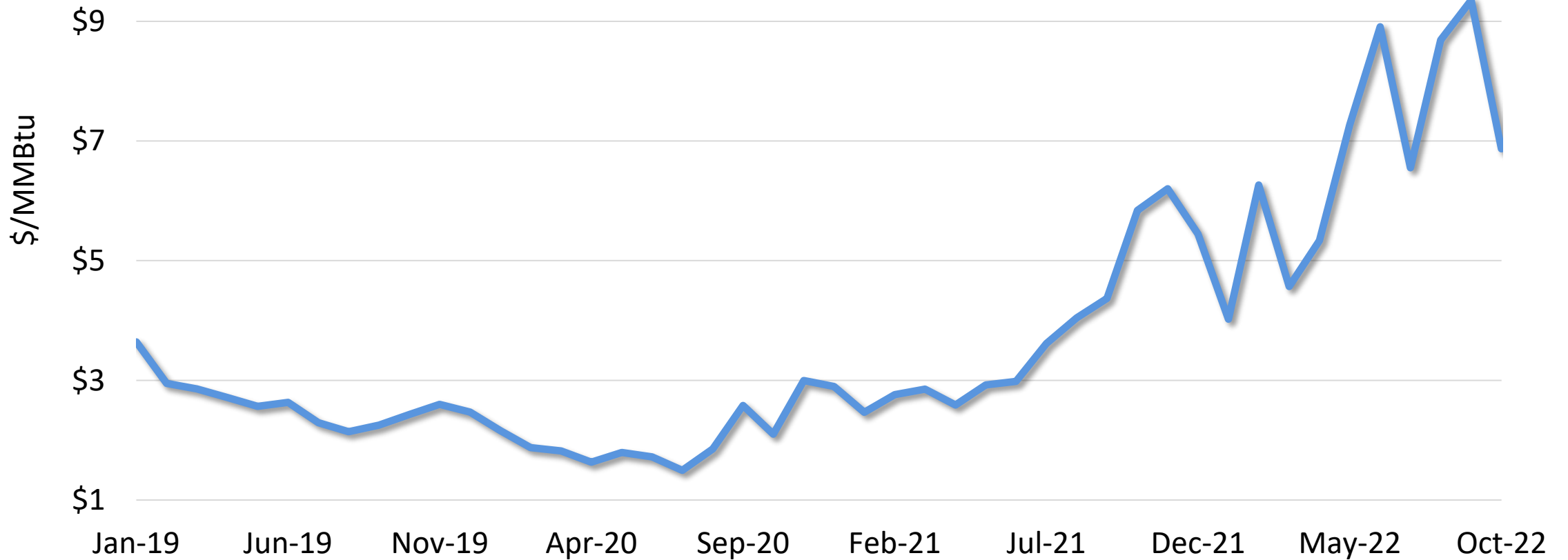
6b– Gas Price Stability and Legislative Update

Policy Makers Liaisons Committee

October 19, 2022

High Natural Gas Prices Due to Lack of New Supply

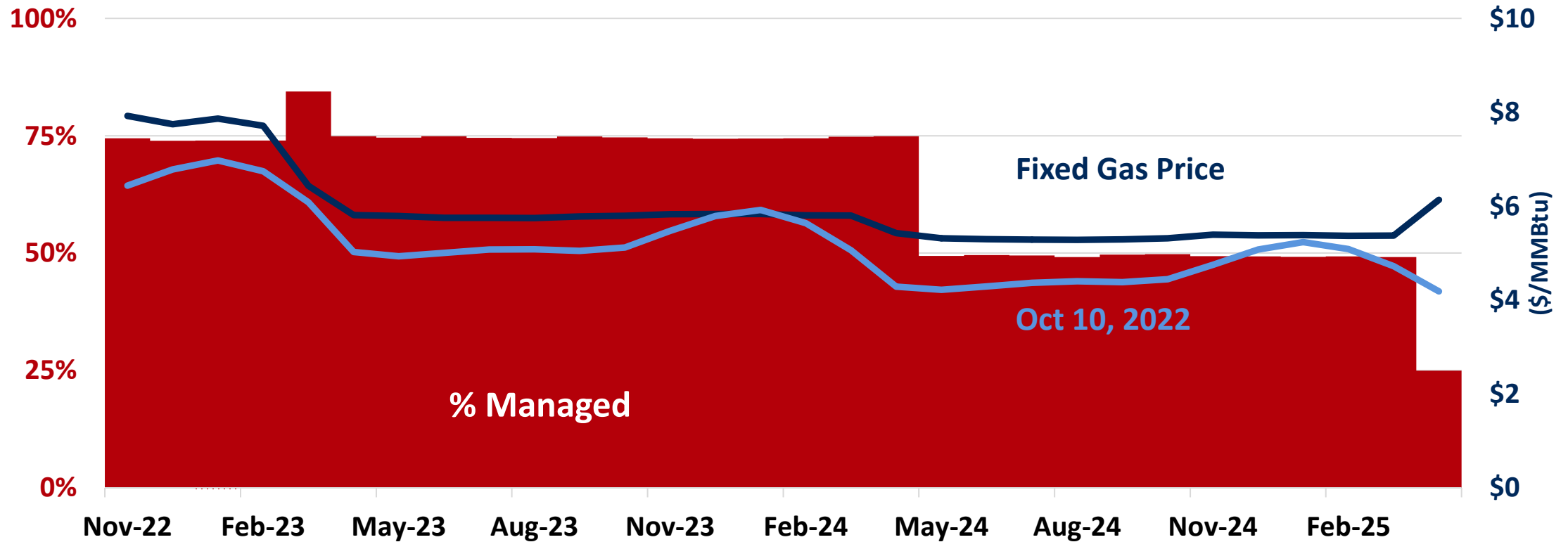
Current Prices 3x Higher Than 2019



Natural Gas Henry Hub Price Risk Management

All Planned Volumes Have Been Purchased

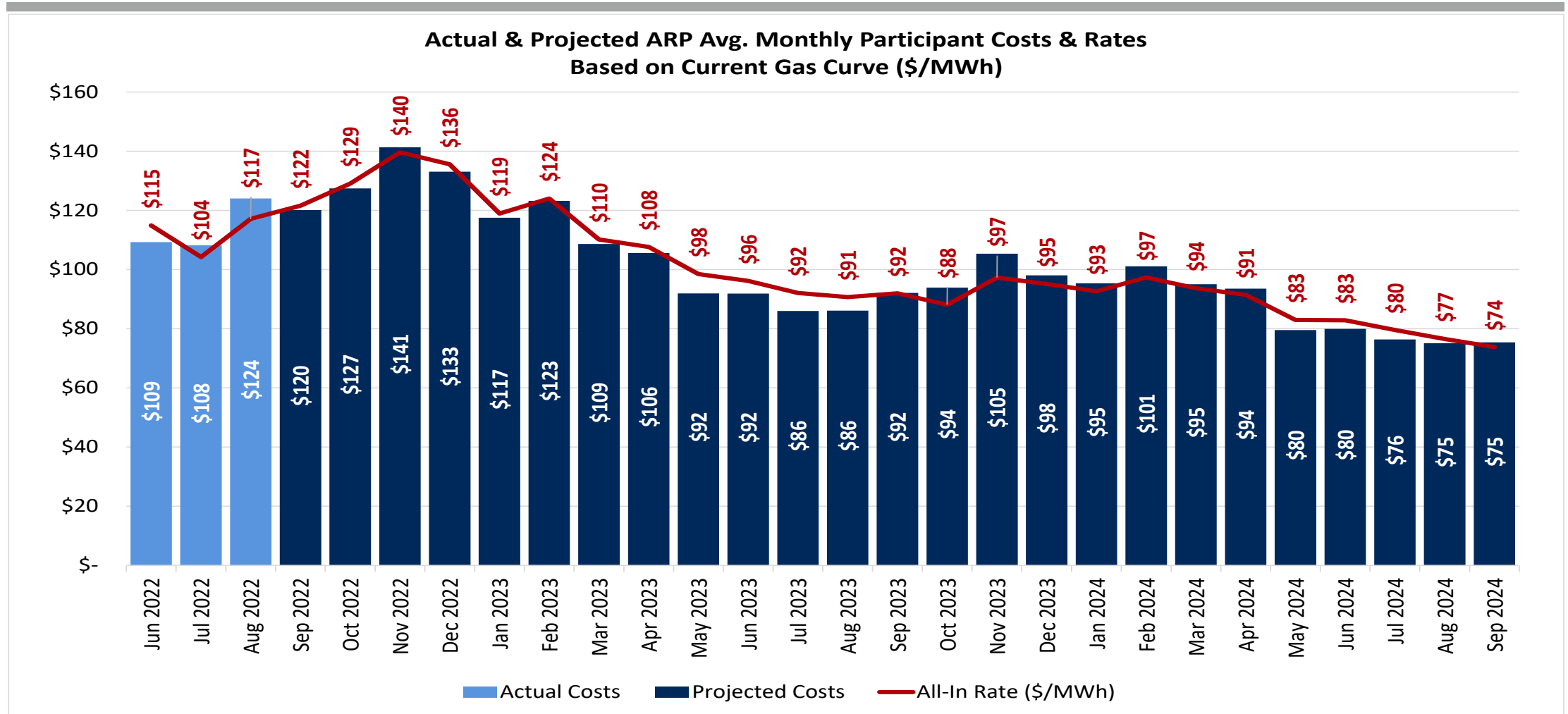
ARP Fixed Gas Position



Forward Natural Gas Price vs. Fixed Gas Price Achieved
Percent of Monthly Volume Fixed

Projected ARP Rates Through September 2024

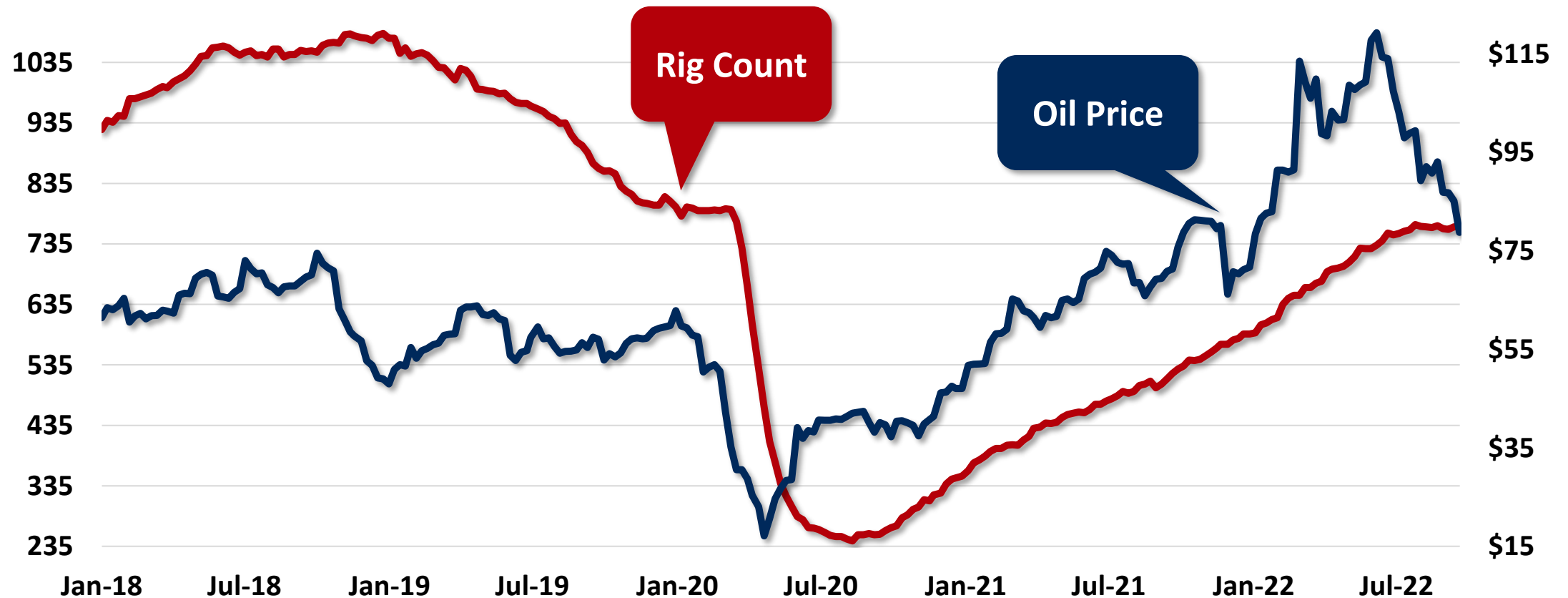
Monthly Volume Variations Drive Differing Monthly Rates



Oil and Gas Rigs Not Keeping Pace with Demand

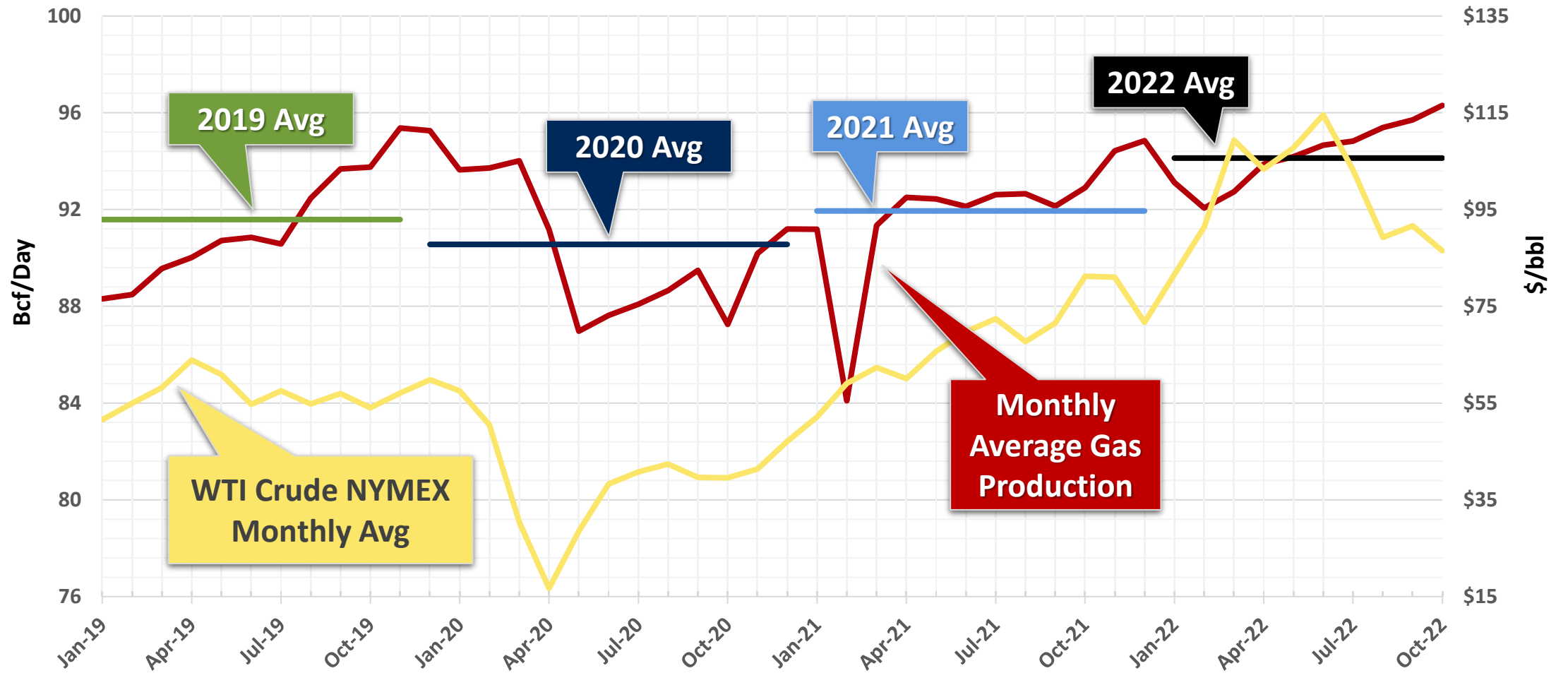
US Rigs at Only 71% of 2019 Levels

US Drilling Rig Count vs. WTI Prompt



Natural Gas Production Disconnecting With Oil Price

Average Monthly Change Since 2019 to Date (10/1/22)

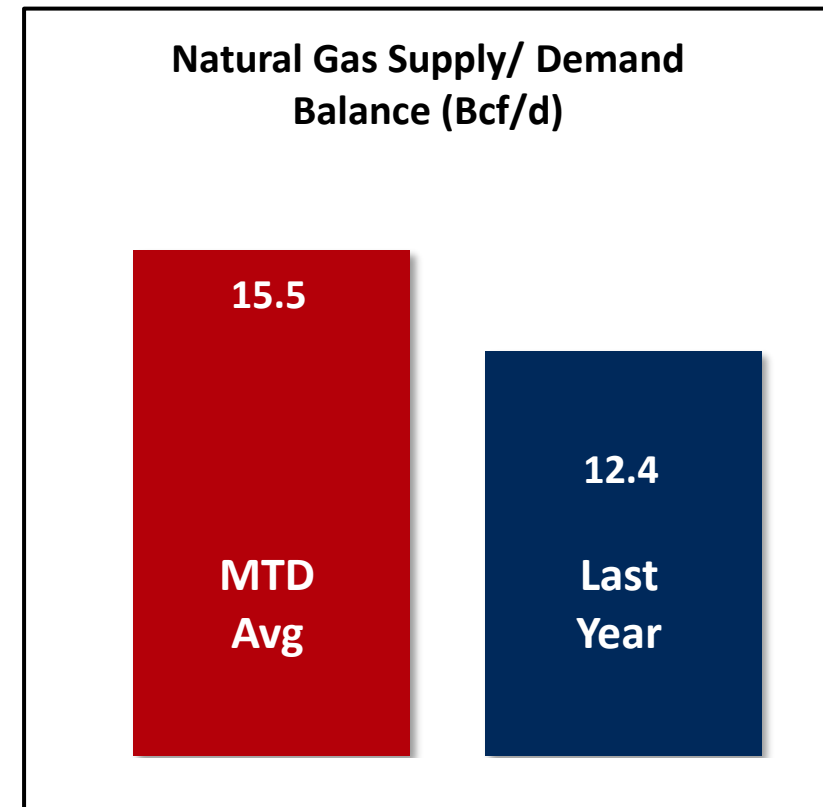


Natural Gas Demand Growth Outpacing Supply Growth

Supply Up 3.6 Bcf/Day, Demand Up 0.5 Bcf/Day

U.S. Gas Generation Increase Driving Growth

| Supply / Demand Detail (Bcf/day) | | |
|----------------------------------|--------------|--------------|
| | MTD Avg | Last Year |
| Production | 97.0 | 94.0 |
| Imports | 5.9 | 5.3 |
| Total Supply | 102.9 | 99.3 |
| | | |
| Power Demand | -30.6 | -34.3 |
| Industrial Demand | -22.0 | -21.6 |
| Res / Com Demand | -16.3 | -12.4 |
| Exports | -18.5 | -18.6 |
| Total Demand | -87.4 | -86.9 |
| | | |
| Net Surplus for Storage | 15.5 | 12.4 |



Republican Support for Manchin Bill Collapsed

Needed to Offset Significant Democrat Pushback

- To secure Sen. Manchin's support of Inflation Reduction Act (IRA), Sen. Schumer agreed to allow a vote to streamline permitting for significant energy infrastructure projects
- Directs president to identify 25 high-priority energy projects to expedite, setting two-year max timeline for National Environmental Policy Act (NEPA) reviews
 - Only five fossil fuel-based project types including LNG export terminals
 - Requires balance with “clean tech” minerals, renewable energy, storage and electric transmission
- Requires bipartisan Senate support, including near unanimous Republican Senate support to offset Democratic opposition
- Majority of Republican Senators would not support, stating it was too little, could be gamed and upset over IRA spending deal
- Other potential vehicles – partial loaf better than no loaf – but low likelihood

**AGENDA ITEM 6 – INFORMATION
ITEMS**

c. Florida Municipal Solar Project Update

**Policy Makers Liaisons Committee Meeting
October 19, 2022**



6c – Florida Municipal Solar Project Update

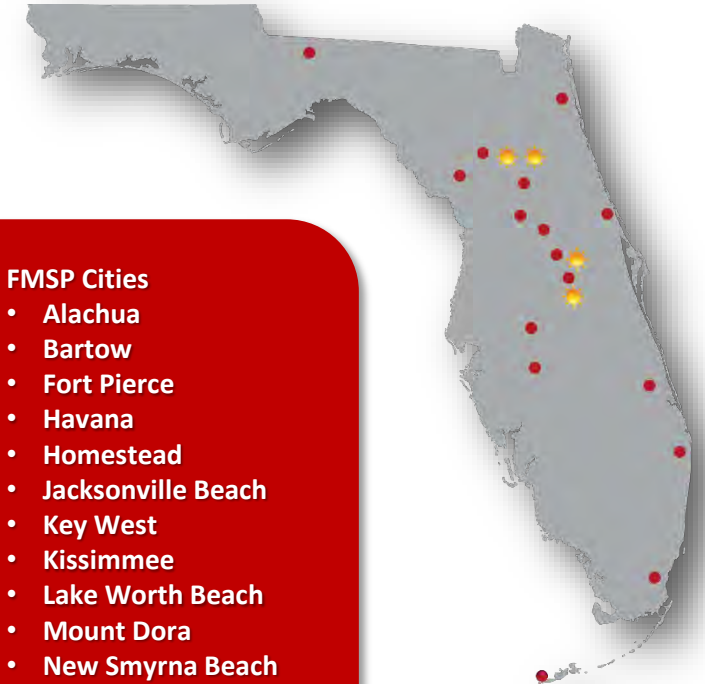
Policy Makers Liaisons Committee

Oct. 19, 2022

Florida Municipal Solar Project

Most affordable way for FMPPA members to receive solar power

- Joint solar project of 16 Florida municipal electric utilities
- Two solar sites online totaling 149 MW
- Enough to power 30,000 homes
- Phase II in 2023-2024
- Phase III in 2025
- Large-scale solar more cost effective
 - Compared to community or rooftop installations
 - Several cities offering solar subscriptions to retail customers



FMSP Cities

- Alachua
- Bartow
- Fort Pierce
- Havana
- Homestead
- Jacksonville Beach
- Key West
- Kissimmee
- Lake Worth Beach
- Mount Dora
- New Smyrna Beach
- Newberry
- Ocala
- Orlando
- Wauchula
- Winter Park

Phase I and Phase II – 300 MW at Four Facilities

Competitive pricing compared to traditional generation

- Phase I – 149 Megawatts
 - Harmony in Osceola County, Taylor Creek in Orange County
 - Came online in June 2020
 - PPA with Florida Renewable Partners – executed in 2018
 - Poinsett redirected to TBD site in Phase III
- Phase II – 149 Megawatts
 - Rice Creek in Putnam County, Whistling Duck in Alachua County
 - PPA with Origis Energy – executed in 2019
 - Commercial delivery in December 2023 and November 2024

Phase III – Potential to double size of FMSP

Competitive pricing compared to traditional generation

| Participants Interested | Estimated MW |
|--------------------------|--------------|
| Poinsett Participants | 74.5 |
| All-Requirements Project | ~100 |
| Fort Meade | ?? |
| Fort Pierce | 20-30 |
| Key West | 10 |
| Lake Worth Beach | 20-30 |
| Leesburg | ?? |
| New Smyrna Beach | 10 - 20 |
| Orlando | 40.5 |
| Winter Park | 10 |
| Total | ~315+ |

- Power Purchase Agreement, price <\$35/MWh to <\$40/MWh
- Two developers for risk management
- At least 4 facilities with diverse geographical locations
- Potentially 7 to 10 additional participants
- COD December 2025

Additional Considerations for Solar Development

FMPA Solar Team Navigating Regulatory and Economic Issues

- Department of Commerce Investigation Preliminary Determination Delayed until November 28
- "Inflation Reduction Act" Energy and Climate Initiatives
 - ITC extension / PTC expansion
 - “Comparable Incentives” for tax-exempt munis
- Global Supply Chain Issues
- Uyghur Forced Labor Prevention Act may impact solar panel production



AGENDA ITEM 7 – MEMBER COMMENTS

**Policy Makers Liaisons Committee Meeting
October 19, 2022**

AGENDA ITEM 8 – ANNOUNCEMENTS

- a. Next Meeting: Wednesday, January 18, 2023
at FMPA (if meeting schedule is approved)**

**Policy Makers Liaisons Committee Meeting
October 19, 2022**

AGENDA ITEM 9 – ADJOURN

**Policy Makers Liaisons Committee Meeting
October 19, 2022**