

ARP EXECUTIVE COMMITTEE AGENDA PACKAGE

NOVEMBER 18, 2021

9:15 a.m. [NOTE TIME] (or immediately following the Board of Directors Meeting)

Dial-in info 877-668-4493 or 650-479-3208

Meeting Number: 180 246 1343#

Meeting Password: 8553

Committee Members

Howard McKinnon, Havana - Chairman Lynne Tejeda, Key West - Vice Chairwoman

Jody Young, Bushnell Lynne Mila, Clewiston Jan Bagnall, Fort Meade Paul Jakubczak, Fort Pierce Robert Page, Green Cove Springs Allen Putnam, Jacksonville Beach Larry Mattern, Kissimmee Brad Chase, Leesburg Bill Conrad, Newberry Randy Hahn, Ocala John Holman, Starke

Meeting Location

Florida Municipal Power Agency 8553 Commodity Circle Orlando, FL 32819 (407) 355-7767



MEMORANDUM

TO: FMPA Executive Committee

FROM: Jacob A. Williams, General Manager and CEO

DATE: November 9, 2021

RE: FMPA Executive Committee Meeting

Thursday, November 18, 2021 at 9:15 a.m. [NOTE TIME] (or immediately following the Board of Directors meeting)

PLACE: Florida Municipal Power Agency

8553 Commodity Circle, Orlando, FL 32819

Fredrick M. Bryant Board Room

DIAL-IN: (877) 668-4493 or 650-479-3208, Meeting Number 180 246 1343# PASSWORD 8553#

(If you have trouble connecting via phone or internet, call 407-355-7767)

Chairman Howard McKinnon, Presiding

AGENDA

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7.	. Consent Agenda	
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8. Action Items

	a. None	25
9.	Information Items	
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11	1.Adjournment	85

*Item also on the Board of Directors Agenda.

** Item(s) Subject to Super Majority Vote

Note: 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 (888) 774-7606, at least two (2) business days in advance to make appropriate arrangements.

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

AGENDA ITEM 2 – Set Agenda (by Vote)

AGENDA ITEM 3 - RECOGNITION OF GUESTS

AGENDA ITEM 4 - PUBLIC COMMENTS (INDIVIDUAL COMMENTS TO BE LIMITED TO 3 MINUTES)

VERBAL REPORT

AGENDA ITEM 5 – COMMENTS FROM THE CHAIRMAN

VERBAL REPORT

AGENDA ITEM 6 – REPORT FROM THE GENERAL MANAGER

AGENDA ITEM 7 – CONSENT AGENDA

a. Approval of the Minutes –
 Meetings Help September October
 21, 2021 and ARP Telephonic Rate
 Workshop Help October 12, 2021

CLERKS DULY NOTIFIED	.OCTOBER	12,	2021
AGENDA PACKAGES POSTED	OCTOBER	12,	2021

MINUTE NOTES EXECUTIVE COMMITTEE MEETING THURSDAY OCTOBER 21, 2021 FLORIDA MUNICIPAL POWER AGENCY 8553 COMMODITY CIRCLE ORLANDO, FL 32819

PARTICIPANTS Jody Young, Bushnell PRESENT: David Lord, Fort Meade

Paul Jakubczak, Fort Pierce Bob Page, Green Cove Springs Howard McKinnon, Havana Allen Putnam, Jacksonville Beach

Lynne Tejeda, Key West Larry Mattern, Kissimmee

Mike New, Newberry (via telephone) Randy Hahn, Ocala (via telephone)

OTHERS Steve Macholz, Bushnell PRESENT John Tompeck, Fort Pierce

Ed Liberty, Lake Worth Beach

STAFF PRESENT Jacob Williams, General Manager and CEO

Jody Finklea, General Counsel and Chief Legal Officer

Ken Rutter, Chief Operating Officer Linda Howard, Chief Financial Officer

Chris Gowder, Business Development and System Operations Director

Dan O'Hagan, Assistant General Counsel and Regulatory

Compliance Counsel

Danyel Sullivan Marrero, Controller

Carl Turner, Engineering Services Director

Cairo Vanegas, Manager of Member Services Development Mike McCleary, Manager of Member Services Development Alan O'Heron, Manager of Member Services Development

Carter Manucy, IT/OT & Cybersecurity Director Sharon Adams, Vice President of Human Resources

and Shared Services

Sue Utley, Executive Asst. /Asst. Secy. to the Board

Susan Schumann, Public Relations and External Affairs Manager Mark McCain, Vice President of Member Services & Public Relations

Ryan Dumas, Public Relations Specialist Justin Harris, Environmental Engineer

EXEUCITVE COMMITTEE MEETING MINUTES Meeting Held October 21, 2021 Page 2 of 4

Tobin LaBorde, Plant Engineer

ITEM 1 - CALL TO ORDER, ROLL CALL, AND DECLARATION OF QUORUM

Chair Howard McKinnon, Havana, called the FMPA Executive Committee meeting to order at 11:11 a.m., Thursday, October 21, 2021 in the Frederick M. Bryant Board Room at Florida Municipal Power Agency 8553 Commodity Circle, Orlando, Florida. The roll was taken, and a quorum was declared with 10 members present out of a possible 13.

ITEM 2 – SET AGENDA (BY VOTE)

MOTION: Allen Putnam, Jacksonville Beach, moved approval of the agenda as presented. Paul Jakubczak, Fort Pierce, seconded the motion. Motion carried 10 - 0.

ITEM 3 – RECOGNITION OF GUESTS

None

ITEM 4 – PUBLIC COMMENTS

None

ITEM 5 - COMMENTS FROM THE CHAIRMAN

Chairman Howard McKinnon said he gives a lot of accolades to Bill Conrad, Newberry. Bill was always concerned about the ratepayers and the impact of high rates on the members of the Executive Committee. He said Bill was always the one who brought the members together on issues at FMPA. He will be missed.

ITEM 6 - REPORT FROM GENERAL MANAGER

Nothing further to report.

ITEM 7 - CONSENT AGENDA

- Item 7a Approval of Meeting Minutes Meeting Held September 16, 2021 and ARP Telephonic Rate Workshop Held September 14, 2021
- Item 7b Approval of the Treasury Reports As of August 31, 2021
- Item 7c Approval of the Preliminary Agency and All-Requirements Project Financials as of August 31, 2021
- Item 7d ARP 12-month Capacity Reserve Margin Report

MOTION: Larry Mattern, Kissimmee, moved approval of the Consent Agenda as presented. Allen Putnam, Jacksonville Beach, seconded the motion. Motion carried 10 – 0.

ITEM 8 – ACTION TEMS:

a. Approval of Revised Rate Schedule B-1 to be Effective October 1, 2021

MOTION: Allen Putnam, Jacksonville Beach, moved approval of the revised ARP Rate Schedule B-1, effective October 1, 2021. Larry Mattern, Kissimmee, seconded the motion. Motion carried 10 - 0.

b. Approval of Amendment #1 to Transmission Improvement Cost Sharing Agreement with Keys Energy Services

MOTION: Allen Putnam, Jacksonville Beach, moved approval of Amendment #1 to Transmission Improvement Cost Sharing Agreement with Keys Energy Services and authorize the General Manager to sign the agreement. Paul Jakubczak, Fort Pierce, seconded the motion. Motion carried 10 - 0.

c. Approval of Spending Authority for Stock Island Event

MOTION: David Lord, Fort Meade, moved approval to authorize General Manager to execute spending, not to exceed \$1,250,000, to continue containment and remediation of Stock Island oil discharge. Jody Young, Bushnell, seconded the motion. Motion carried 10 - 0.

EXEUCITVE COMMITTEE MEETING MINUTES Meeting Held October 21, 2021 Page 4 of 4

ITEM 9 – INFORMATION ITEM

a.	Power	Purchase	Agreement	RFP	Results
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Chris Gowder presented the results of the power purchase agreement RFP.

b.	Summary	of	Finance	Committee	Items
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Linda S. Howard reported on the Finance Committee items that will be coming to the Executive Committee for approval.

None

ITEM 11 – Adjournment

There being no further business, the meeting was adjourned at 12:06 p.m.
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Howard McKinnon Chairman, Executive Committee	Sue Utley Assistant Secretary	
Approved:	Seal	

MINUTES EXECUTIVE COMMITTEE ALL-REQUIREMENTS POWER SUPPLY PROJECT TELEPHONIC RATE WORKSHOP TUESDAY, OCTOBER 12, 2021 FLORIDA MUNICIPAL POWER AGENCY 8553 COMMODITY CIRCLE ORLANDO, FLORIDA 32819

COMMITTEE MEMBERS PRESENT VIA TELEPHONE

Christina Simmons, Bushnell Lynne Mila, Clewiston Paul Jakubczak, Fort Pierce Bob Page, Green Cove Springs Larry Mattern, Kissimmee Mike New, Newberry Maria Brooks, Ocala

*arrived after roll call.

COMMITTEE MEMBERS ABSENT

Jan Bagnell, Fort Meade Howard McKinnon, Havana Allen Putnam, Jacksonville Beach Lynne Tejada, Key West Sabrina Hubbell, Leesburg Bob Milner, Starke

STAFF PRESENT

Linda S. Howard, Chief Financial Officer
Jason Wolfe, Financial Planning, Rates and Budget Director
Denise Fuentes, Financial Planning, Budget and Financial Analyst II
Sue Utley, Executive Assistant to General Manager and CEO / Asst.
Secy. to the Board
Ed Nunez, Assistant Treasurer/Debt
Resaul Misra, Financial & Data Analyst II
Bianca Scott, Human Resources, Administrative Specialist

Item 1 - Call to Order

Larry Mattern, Kissimmee, called the Executive Committee All-Requirements Telephonic Rate Workshop to order at 2:00 p.m. on Tuesday, October 12, 2021, via telephone. A speaker telephone for public attendance and participation was located in the 1st Floor Conference Room at Florida Municipal Power Agency, 8553 Commodity Circle, Orlando, Florida.

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<u>Item 2 – Information Items</u>

Denise Fuentes gave a verbal update on the natural gas markets; provided an overview of the September loads and reviewed the September ARP rate calculation.

<u>Item 3 – Member Comments</u>

There being no	further business.	the meeting was	adjourned at 2:09	p.m.
	·		·,	

Approved	
AP/bs	

AGENDA ITEM 7 – CONSENT AGENDA

b. Approval of Treasury Reports as of September 30, 2021



AGENDA PACKAGE MEMORANDUM

TO: FMPA Executive Committee

FROM: Gloria Reyes

DATE: November 18, 2021

ITEM: EC 7(b) – Approval of the All-Requirements Project Treasury Reports as of

September 30, 2021

Introduction

- This report is a quick summary update on the Treasury Department's functions.
- The Treasury Department reports for June are posted in the member portal section of FMPA's website.

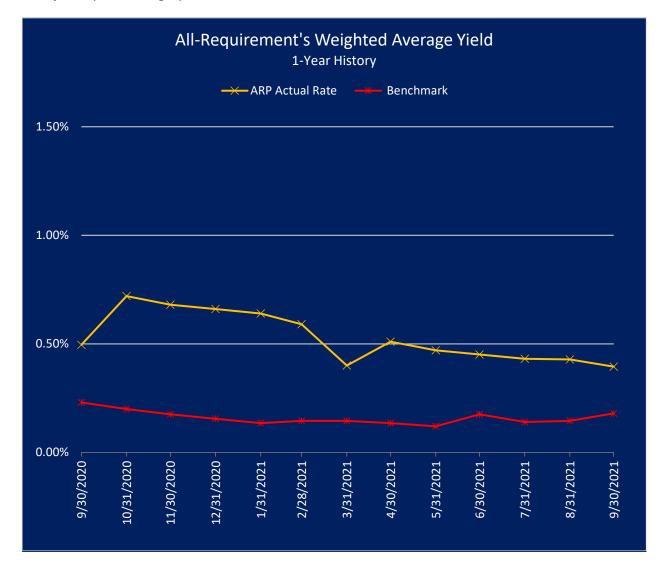
Debt Discussion

The All-Requirements Project has fixed rate debt. The fixed rate percentage of total debt is 100%. The estimated debt interest funding for fiscal year 2021 as of September 30, 2021 is \$35,118,999.01. The total amount of debt outstanding is \$873,865,000.

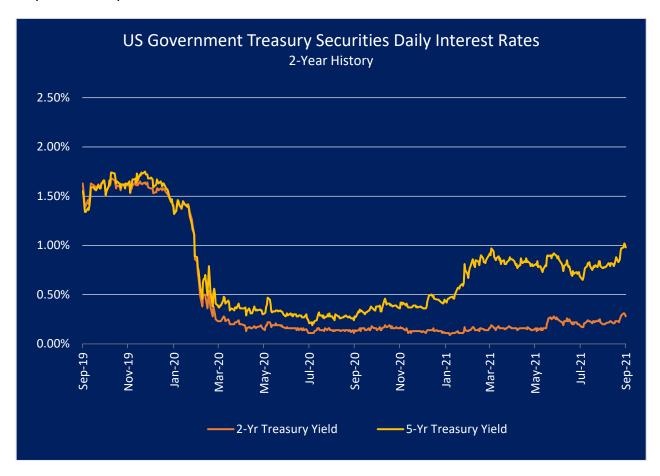
Investment Discussion

The investments in the Project are comprised of debt from the government-sponsored enterprises such as the Federal Farm Credit Bank, Federal Home Loan Bank, Federal Home Loan Mortgage Corporation (Freddie Mac), and Federal National Mortgage Association (Fannie Mae), as well as investments in U.S. Treasuries, Municipal Bonds, Certificates of Deposits, Corporate Notes, Commercial Paper, Local Government Investment Pools and Money Market Mutual Funds.

As of September 30, 2021, the All-Requirements Project investment portfolio earned a weighted average yield of 0.40%, reflecting the All-Requirements Project need for liquidity. The benchmarks (SBA's Florida Prime Fund and the 2-year US Treasury Note) and the Project's yields are graphed below:



Below is a graph of daily US Treasury yields for the past 2 years. The orange line is the 2-year Treasury which closed the month of September at 0.28 %. The yellow line is the 5-year Treasury which was 0.98%.



The Investment Report for September is posted in the "Member Portal" section of FMPA's website.

Recommended Motion

Move for approval of the Treasury Reports for September 30, 2021

AGENDA ITEM 7 – CONSENT AGENDA

c. Approval of the Preliminary Agency and All-Requirements Project Financials as of September 30, 2021



MEMORANDUM

TO: FMPA Executive Committee

FROM: Linda Howard

DATE: November 2, 2021

SUBJECT: EC 7c – Approval of the Agency and All-Requirements Project Preliminary

Financials for the period ended September 30, 2021

Discussion: The summary and detailed financial statements, which include GASB

#62 transactions, of the Agency and All-Requirements Project for the period ended September 30, 2021 are posted on the Document Portal

section of FMPA's website.

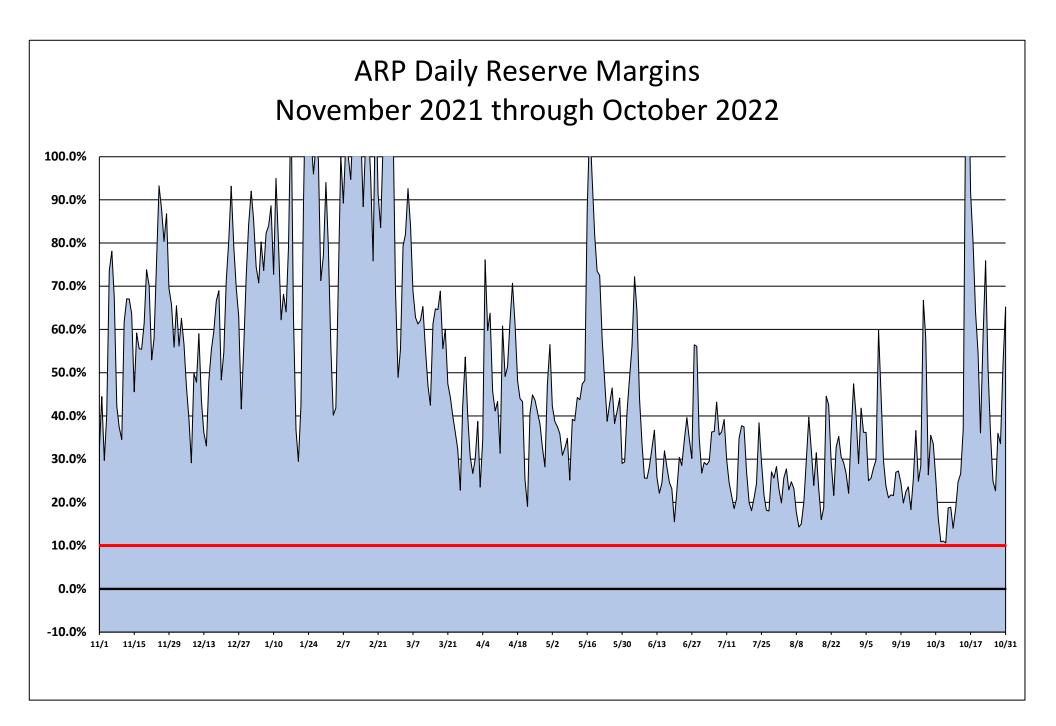
Recommended Motion: Move approval of the Agency and All-Requirements Project

Preliminary Financial reports for the month of September 30, 2021.

LH/GF

AGENDA ITEM 7 – CONSENT AGENDA

d. ARP 12-month Capacity Reserve Margin Report



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AGENDA ITEM 8 – ACTION ITEMS

a. None

AGENDA ITEM 8 – ACTION ITEMS

a. None

AGENDA ITEM 9 - INFORMATION ITEMS

a. Winter Capacity Situation and Winterization Efforts





Executive Committee Nov. 18, 2021



FMPA Planning for Extreme Winter Weather Event

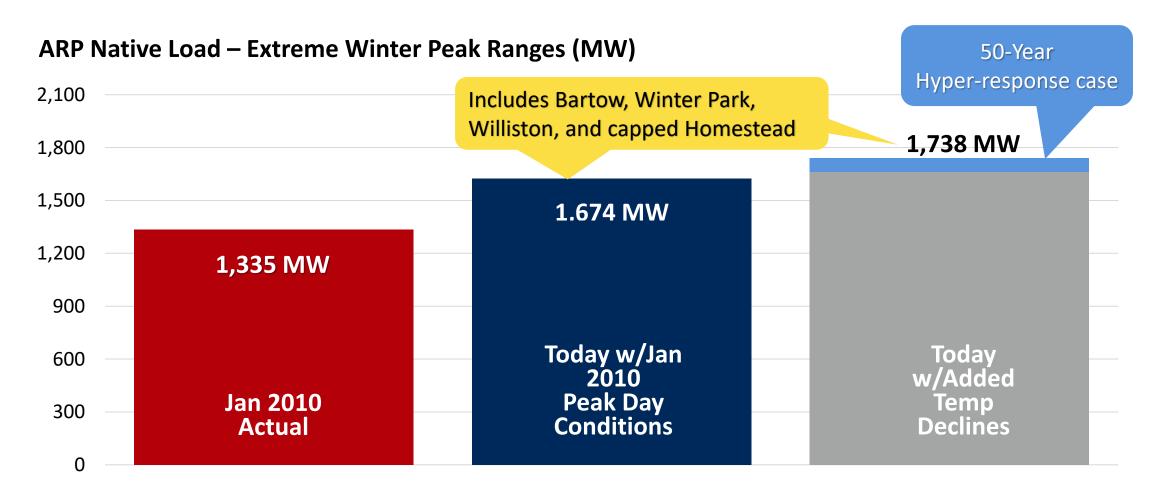
Analysis Resulting In Process, Capital and Fuel Modifications

- Winter load study of 20-year event results in sufficient reserves
- Staff toured JEA facilities to understand their preparation process
- Other than fuel, minor O&M expenditures identified, reviewing broader preparation processes
- \$1.5M capital budgeted for winterization enhancements
- Staff evaluated existing fuel inventories for upcoming winter and identified need for supplemental purchases
- Dual fuel test plan will be implemented in fiscal 22, requiring testing prior to each capable units' spring/fall outages



Extreme Peak ~20-30% Above January 2010 Cold Snap

Adjusted for Weather-Normalized Growth, Colder Temps*





FMPA Fleet Has Sufficient Reserves for 20-Year Event

Agency Plans Seasonal Reserves Based on Base Forecast

FMPP day-ahead reserve requirement is 10%

FMPA generation winter capacity rating	1,801 MW
Extreme 20-year type winter event peak load*	1,674 MW
Net	130 MW
Non-firm recallable	50 MW
Net remaining reserves	180 MW or 11.1%



^{*}Includes some non-firm third-party sales

Well Positioned With Dual Fuel and Stock Island Assets

40% of Capacity Available With Diesel by Winter 2022/2023

Current	MW
TCEC*	260
Cane Island 1	38
Stock Island**	112
Indian River	83
Oleander	180
Total	673 MW

Fiscal 2022/Fiscal 2023 Plan	MW
TCEC	260
Cane Island 1 & 2	151
Stock Island**	112
Indian River	83
<u>Oleander</u>	180
Total	786 MW



^{*} TCEC will require 3-5 day outage to return to capability

^{**} Stock Island always diesel-fueled

Plants to Test Liquid Fuel Operation Prior to Outages

- Cane Island 1 test complete and successful on liquid fuel Nov. 2, 2021
- TCEC and Cane Island 1 & 2 will conduct a one-hour burn on liquid fuel prior to going into every planned spring and fall outage
- FMPP does not require any dual-fuel testing
- Indian River and Oleander will be requested to test twice annually before each outage season
- Stock Island tests at least six times per year



Coincident Purchase and Sale of Liquid Fuel Recommended With Higher Fuel Prices, Goal is to Mitigate Market Volatility

- TCEC purchase 210K gallons, will take to 48-hour capability
- Oleander NextEra will move 220K gallons, take to 41-hour capability
- Stock Island sell Tank 1 80K gallons
- Stock Island potentially sell Tank 3 300K gallons
- Cane Island sell 500K gallons
- Working with OUC on Indian River tank expansion plan



\$1.5 Million Capex Budgeted for Fleet Enhancements \$900K for Cane Island, \$600K for Treasure Coast

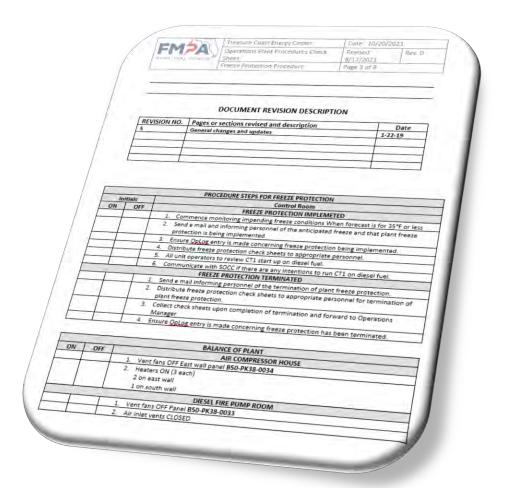
- Fuel line system modifications, check valves etc.
- Heat trace (\$750K quote for Cane Island units)
- Cane Island Unit 4 has no heat tracing
- Thermocouples / monitoring / alarms
- Design and construction of wind breaks
- Appropriate monitoring / heat trace on fire protection equipment
- Cane Island Unit 2 will receive modifications during spring/fall 2022 outages to be ready for winter



JEA Visit Provided Template for Process Enhancement

Plants Developed Specific Lists

- TCEC and Cane Island plants developing comprehensive checklists for freeze protection
- Development of the checklist may lead to additional capex modifications





Critical Process Items Must Be Addressed Days in Advance Staff will Communicate Weather and Coordinate Support

- Identify critical exposed equipment
- Draining of idle or non-circulating assets that contain fluids
- Check pressure vessel vents regularly for freeze offs
- Elevation of low points in drainage systems
- Placement of wind breaks and portable heaters
- Placement of thermometers, sunlamps, etc.
- Maintain fire pump room temperature above 40° F
- Ensure all heaters operational



AGENDA ITEM 9 - INFORMATION ITEMS

b. Update on Stock Island Discharge

Executive Committee November 18, 2021



9b - Stock Island Discharge Update

Executive Committee Nov. 18, 2021



Remediation of Discharge Continues

Source Not Yet Definitively Identified, Mitigating Impacts

- In early September, oil discharge determined coming from riprap and sea wall
- FMPA and Keys Energy Services have fully contained the discharge
- Several workstreams in progress to assist with discovery and containment
- Coast Guard tests indicated tanks 2, 6 or 7 as potential source, conflicts with internal lab tests
- Tank 2 drained and inspected. Final report issued with required steps to return to service
- FMPA and Keys Energy working jointly until source definitively identified and mitigated





Approaching Source Discovery Many Ways

Insurance Claim Will Require Conclusive Evidence

Primary Actions: Discovery & Mitigation

- Drill discovery borings inside and outside containment area
- Evaluate all four liquid fuel tanks
- Excavate for mitigation & prevention RFP in progress
- Review discharge lab analysis results

Next Actions: Remediation & Repair

- Tank 2 return to service plan
- Any additional repairs for tanks 1, 3 and 4
- Additional excavation for remediation
- Insurance claim
- Barge fuel caretaker status





Additional Test Borings Drilled

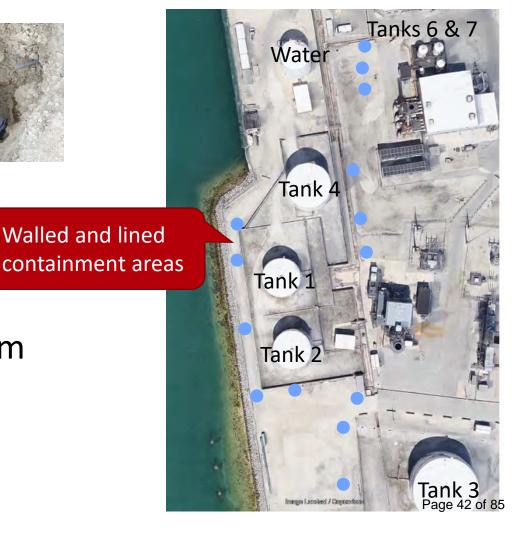
Goal of Narrowing Down Source

 Original borings did not explore east or south areas near tanks



 Tanks 6 and 7 fed from Tank 2 – elevated day tanks in concrete containment area

 Tank 3 is oldest tank and furthest from where discharge discovered

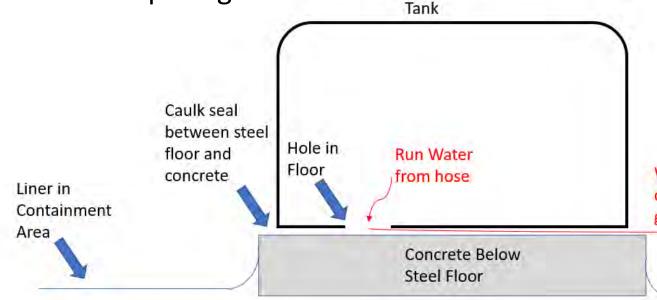




Test Conducted to Assess Tank 2 as Potential Source

Water Flushed Between Steel Floor and Concrete

- To further assess Tank 2 as source, staff taking additional steps
 - Hydro flush below steel floor
 - Sandblast pitting





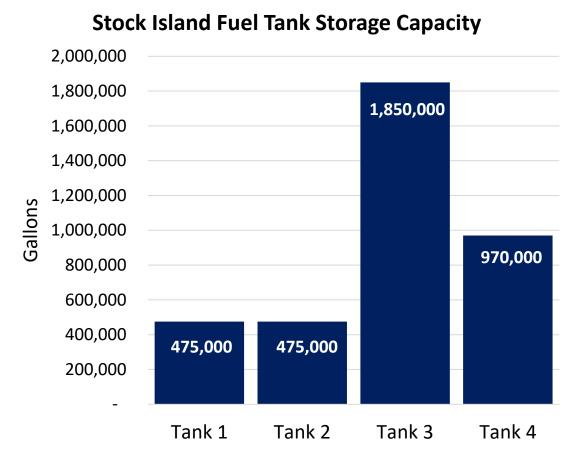
Water ran along concrete and out gaps in caulk.



FMPA Will Work With Keys on Fuel Inventory Policy

May Be Cost-effective to Retire One of the Tanks

- DEP provided recommendations following inspector's final report
- FMPA will work with DEP on requirements to return tank to service
- Fuel policy requires maintain inventory of 50% of tank capacity
- Could be more cost-effective to carry same fuel quantity with one less tank





AGENDA ITEM 9 – INFORMATION ITEMS

c. Upgrade & Asset Capacity Alternatives

Executive Committee November 18, 2021





Executive Committee Nov. 18, 2021



ARP's Mid 20s Capacity Needs Are Peaking in Nature

A Diverse Combination of Solutions May Provide the Best Value

- The ARP has regional needs for ~150 MW of peaking capacity starting in 2025
- Options for filling needs
 - Upgrades at Cane Island and Treasure Coast
 - Demand management implementation
 - Third-party power purchases
 - Solar / battery additions
 - Existing merchant assets
 - New build generation

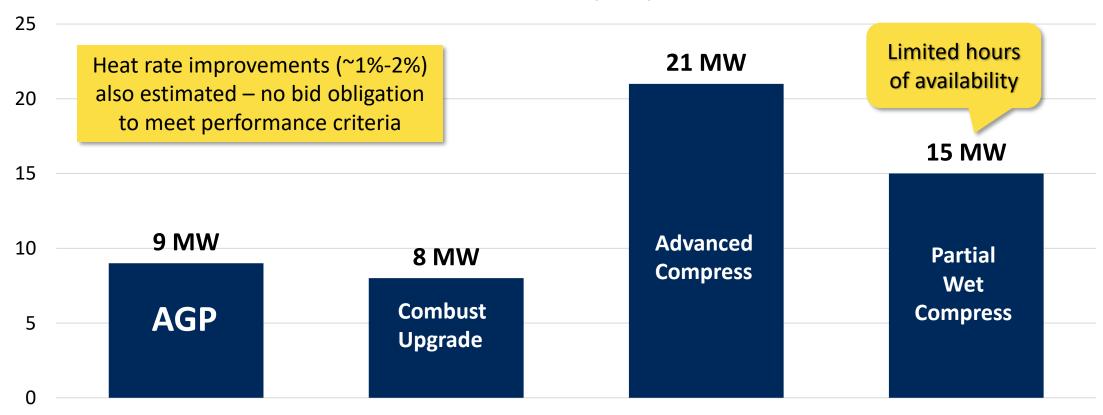




Various Forms of Upgrades for Large CCs Available

Working with GE on Understanding Incremental Costs

Indicative Incremental Capacity Gains (MW)





Upgrade Costs Go Beyond Manufacturer Bids

Balance of Plant Requirements Must Be Reviewed

- Natural gas transportation reservations
 - May be required if multiple upgrades are pursued
 - Balance of firm transportation capacity vs. active position management
- Pump sizing
- Exhaust modifications
- Other balance of plant requirements
- Certain transmission system upgrades are reimbursable if needed, but others may require impact studies and upgrades to native system



Upgrades Provide Flexibility and Options Not in PPAs *Provide Opportunities to Bring Additional Value*

- Upgrade costs can be amortized over longer duration given existing asset lives stretch beyond PPA terms
 - PPAs have more limited offer periods which carry less certainty long term
- Upgrades may produce additional economy energy
 - Can generate margins that utilize Business Development/Ops team process in place for existing economy energy margin
 - Helps offset portion of capital cost
- Less expensive source to serve economy energy native need



More Significant Upgrades Not Yet Cost Competitive Continuing Discussions for Potential During Future Major Outages

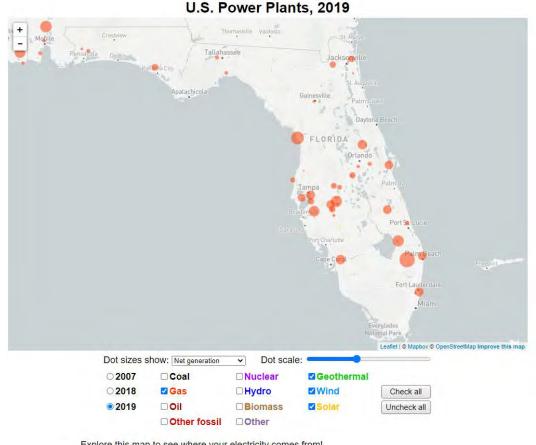
- GE has provided scope of work for additional upgrades applicable to workhorse combined cycle generation
- Net of upgrade costs related to advanced gas path pricing much higher than indicated during prior GE discussions
- Generation and planning team evaluation suggests more significant upgrades not yet cost competitive
- Further discussion with GE anticipated
- East capacity need further out, which provides more time to refine



Early Deregulation Efforts Resulted in Some FL IPPs

Staff Data Mining Uncovered Possible Opportunities

- Staff leveraged publicly available data to query operational plants in Florida
- Filtered for ownership status to isolate potential opportunities
- Peaking facilities or units with potential to operate as peakers a focus
- Transmission area placement and associated advantages considered







FMPA Has NDA for Specific Assets Under Discussion

Further Due Diligence and Discussions in Fourth Quarter of 2021

- FMPA has engaged in exploratory discussions with potential counterparties
- Narrowed down to three Central Florida facilities
- Combined cycle plants with ability to operate in simple cycle as peakers
- Transmission area advantageous given expected load growth concentration







Asset Acquisition Requires Competitive All-In Value *Required Adjustments Blend with Capital Cost*

- Acquisitions may require a range of adjustments
 - Gas transportation position and costs
 - Balance of plant adjustments to ensure continued reliable operation
 - Adjustments to align with peaking needs
 - Long term estimates of fixed O&M
 - Staffing considerations
- All-in cost must be competitive as compared with other alternatives being considered
- Valuation from a capital cost perspective generally net of above costs



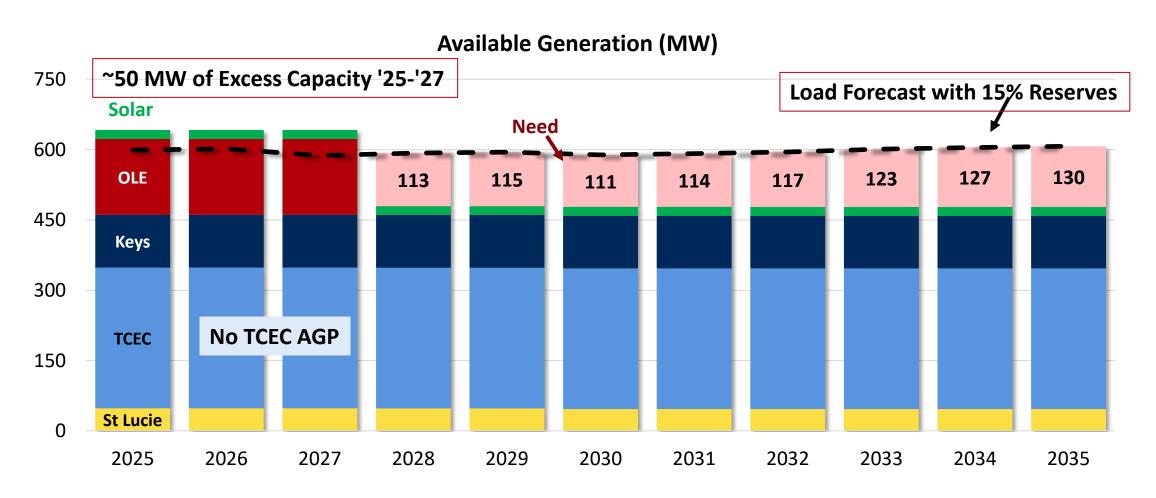


Appendix – Seasonal Capacity Position



East Summer Capacity Need ~110 MW Starting 2028

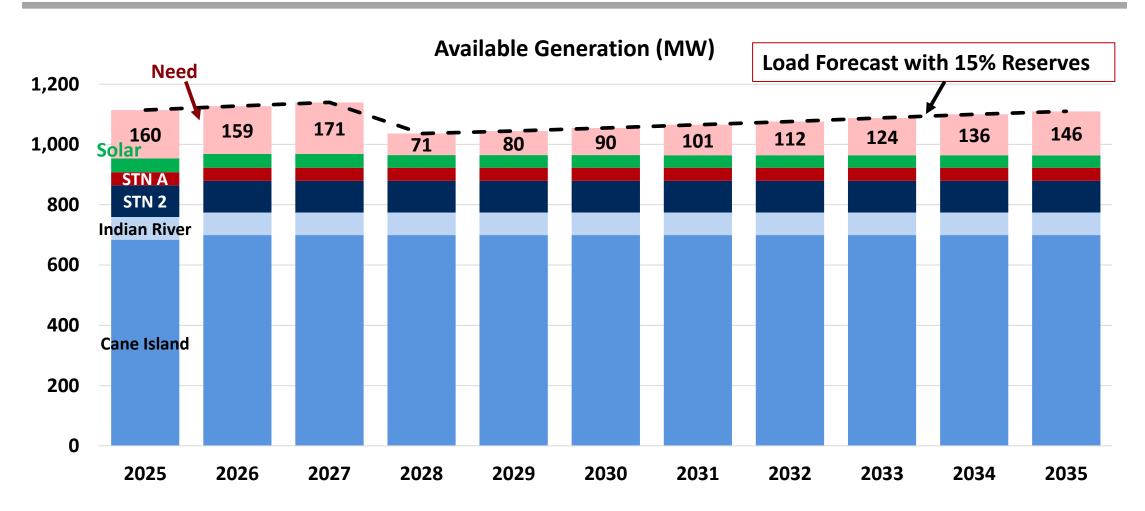
Loss of Stanton 1 and Oleander Create Need





West/KUA Summer Capacity Need ~150 MW in 2025

Loss of Stanton 1 Creates Partial Need





AGENDA ITEM 9 - INFORMATION ITEMS

d. Demand Management Phase I Survey Results

Executive Committee November 18, 2021



9d – Demand Management Phase I Survey Results

Executive Committee Nov. 18, 2021

Phased Development of Program Ensures Value for All

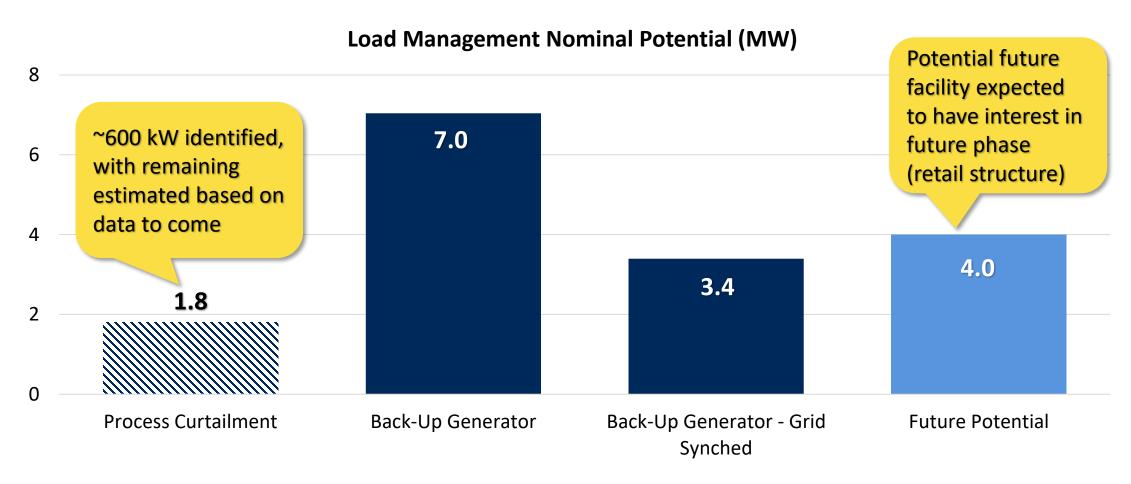
Load Management Staged to Align with Overall ARP Need

~FY23-FY26 >FY27 if Cost Justified **FY21-22** Member-owned equipment and Large **Broad retail** retail generation Member-owned program for generation customer owned Large loads retail curtailment **Explore** capabilities



Discovery Yielded 12 MW Nominal* Thus Far

Phase I and Phase II Naturally Blended Together in Discussions





^{*}Nominal capability shown. Excludes future potential phases discussed. Generators subject to EPA driven runtime restrictions and those reducing 61 of 85 load will deliver lower MWs in practice.

Phase I Intended to Focus on Zero-Cost Alternatives Largest Opportunities From Phase II Backup Generation

- Survey discussions and notes assembled for all 13 ARP participants
- Master data warehouse contains 63 discrete DM asset opportunities, 30 of which have data on estimated kW abatement and other key characteristics
- Tangible kW data provided by six of 13 participants, with more on the way
- Phases I and II naturally blended in discussions
 - Participants generally have more back-up/emergency generation opportunities than process curtailment (logistical and resource limitations)
- Worked with several participants to advance the state of the data and to prioritize which opportunities are easiest to control, minimize inconvenience and human interaction



EPA Run Restrictions will Impact Assets *Specifications Collection Process will Require More Work*

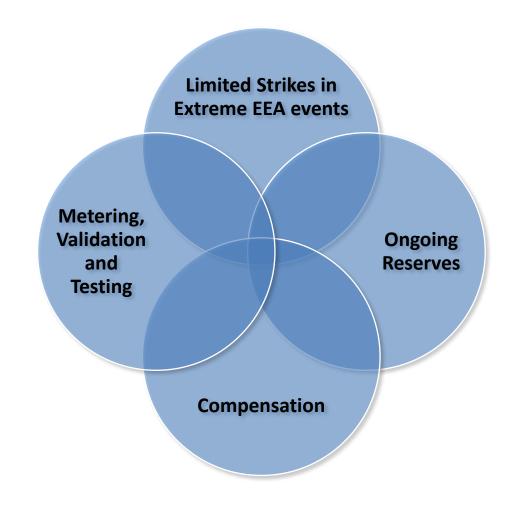
- Phase I survey suggests backup generators fall into various categories
 - Newer (e.g., Tier 4) EPA compliant/manufacturer certified
 - Limited run-hour generation unless emergency conditions exist
 - Grid synched
- Compliance with performance standards for stationary engines
 - Clearly delineate between "emergency" conditions and "non-emergency" conditions
 - Example: emergency engines may be able to operate 50 hours/year for local reliability as part of a financial arrangement*
 - Requires technical specification and review for alignment with EPA constraints based on engine type, horsepower, category, etc.
 - Members have asked for support to determine appropriate condition/state for generators



Must Frame Soft Participant Agreement

Defines Operational Cadence for Emergency Reserves

- Emergency reserves/curtailment warehouse will need some form of operating agreement with participant
- Portfolio elements will need to be metered, with some form of periodic testing of capabilities
 - Alternative is to assign seasonal net capability based on metered loads where generation reduces load (e.g., critical loads, city loads)
- Intention is to manage within FMPP as back-up capacity with limited/no strikes unless conditions align with generator eligibility (e.g., EEA2)
- Cost recovery by participants during strike

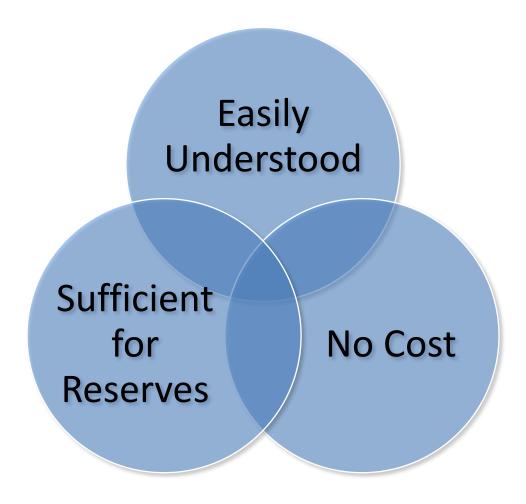




Implementation Details will Determine Net Capability

Participant Strike Terms, Notice Periods, Durations Key Issues

- Who do we call/text/email?
- Is there staff/contact redundancy?
- How much notice is required (e.g., day-ahead, week-ahead)?
- How often will/can we test capability?
- How many hours can we count on the asset for a given strike?
- Will need to manage dynamics and assign seasonal capability conservatively to address diversity





Many Parallel Paths Required to Define the Program

Fiscal 2022-2023 Glide Path Proposed





AGENDA ITEM 9 – INFORMATION ITEMS

e. Solar Phase III ARP Discussion

Executive Committee November 18, 2021



9e - Solar Phase III ARP Discussion

Executive Committee

Nov. 18, 2021



Phase III Development Activities Ramping Up

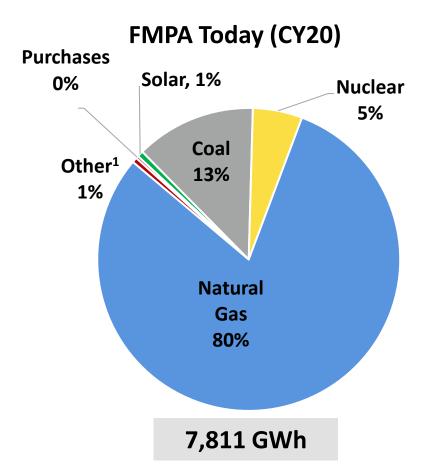
Indicative Member Interest is First Step

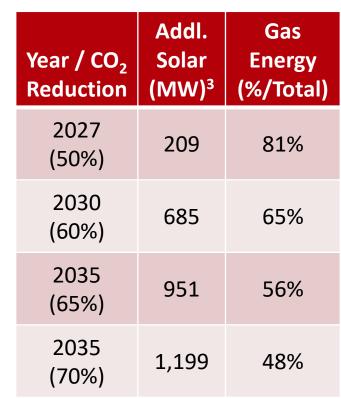
- Considerations
 - 2025/2026 operational date
 - Pursue PPA structure or own facilities
 - Larger members may want to participate as anchor tenants
 - ARP to participate as individual members or as anchor
 - Battery storage options
 - Diversity of facility locations
- FMPA staff contacting members to determine interest and discuss logistics

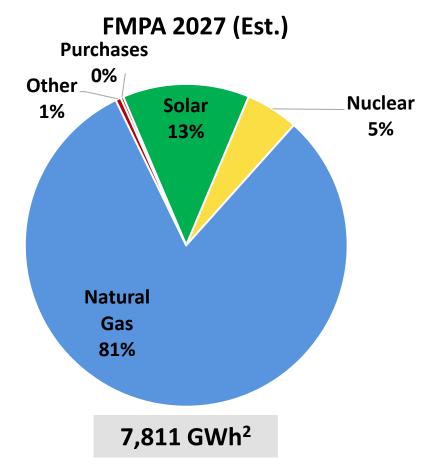


Goals Move ARP Generation Mix Toward Gas & Solar

Targeting 50% CO₂ Reduction vs. 2005 Levels by 2027





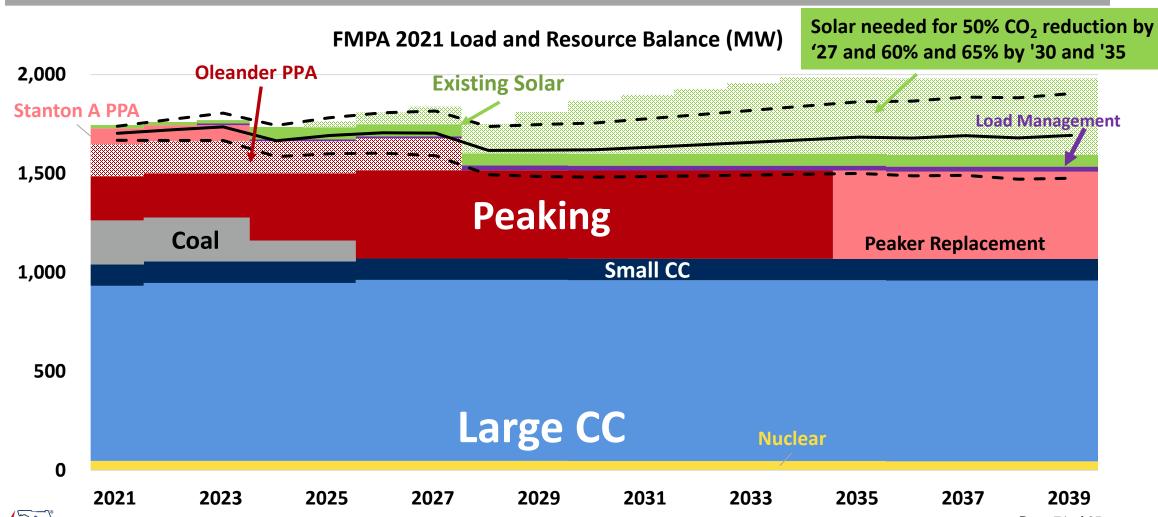




^{2 –} Assumes same level of generation.

3 – Additional solar reflects capacity needed over and above already planned solar at a 30% capacity factor.

Solar Provides Some Capacity Value While Reducing CO₂ One of Many Diverse Solutions to Meet Future Needs



ARP Participation in Solar III Project

Share With Us Your Thoughts and Expectations

- Who would be interested in participating in Phase III?
- Are you interested in having the ARP participate as a whole or continue as individual member cities?
- Would you want to own the solar facilities or continue working with an outside developer and operator?
- How important are storage options and diversity of locations when considering costs?



AGENDA ITEM 9 - INFORMATION ITEMS

f. Transco Pipeline Capacity Release to Lakeland



9f – Transco Pipeline Capacity Release to Lakeland

Executive Committee Nov. 18, 2021



Lakeland Plans to Acquire Pre-Pay Volumes

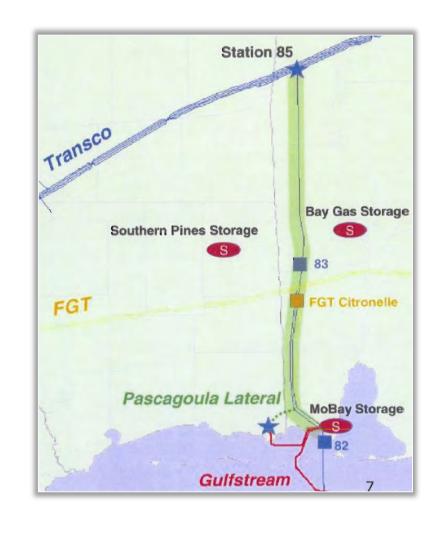
Desires to Receive Volumes at Transco Station 85

- Lakeland plans to purchase 5,800 MMBtu per day of pre-pay supply
- FMPA has firm transportation capacity for 50,000 MMBtu per day of Transco 85 South Capacity
- Lakeland requires firm Transco 85 South Capacity to ensure receipt and has requested FMPA to permanently release some of its Transco capacity for moving the pre-pay volumes
- Such release will be at the maximum tariff rate as published in Transco's currently approved tariff
- A letter of intent, contingent on EC approval, sent to Lakeland for assurance they could move forward



FMPA Cost Savings by Releasing Rarely Used Capacity

- Existing FMPA Transco Contract Term ends April 30, 2026
- Serves to improve FGT gas supply source diversity
- Not required for gas delivery to plants
- Current maximum capacity charge \$0.09828 / MMBtu per day
- FMPA monthly cost Savings \$17,338
- FY22 Six Months \$104,029
- FY23 and beyond \$208,259 per year





FMPA Utilization of Transco Capacity

- Gas supply savings averaged \$0.053 per MMBtu for Transco gas purchased since 2012
- Utilized 20,000 MMBtu per day capacity for fiscal 2021 fixed price purchase volumes
- Normally release seasonal capacity in winter
 - Averaged \$0.0582 per MMBtu for 2019 and 2020 winters
 - Released 2021 winter at \$0.08 per MMBtu
- No adverse impact on FMPA ability to deliver gas to Central Florida



Information Only

Action to be requested in December



AGENDA ITEM 9 – INFORMATION ITEMS

g. Insurance Broker Selection



Insurance Broker Request for Proposal BOD 9d / EC 9g

Board of Directors & Executive Committee November 18, 2021

Willis Tower Watson Broker For Past Seven Years

FMPA Requirement to Test Market after Seven Years

- Willis Tower Watson selected for:
 - Extensive worldwide broker network
 - Utility-specific broker division
 - Expertise of team working with FMPA
- Broker services required for certain lines of insurance
 - Auto, Workers Compensation, Cyber, Professional Legal, Excess Flood and Crime



RFP Distributed to Brokers with Utility Experience

FMPA has Industry Specific Needs

- Limited to four brokers with utility-specific division
 - WTW third largest broker worldwide serviced out of Chicago, IL
 - Marsh largest broker worldwide energy and public power out of Houston, TX
 - McGriff seventh largest broker worldwide energy out of Birmingham, AL
 - Lockton eighth largest broker worldwide energy out of Houston, TX



RFP Calendar Of Events

Selection Needs to be Completed by December Meeting

Date	Action Item
Sept. 9	RFP to Brokers
Sept. 30	Questions Due
Oct. 5	Proposals Due
Nov. 1	Interviews
Nov. 18	Information Item
Dec. 9	Recommendation to BOD and EC
Dec. 13	If Broker changes, begin work on transition



AGENDA ITEM 10 – MEMBER COMMENTS

AGENDA ITEM 11 – ADJOURNMENT