



## **FMPA BOARD OF DIRECTORS AGENDA PACKAGE**

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**March 19, 2020  
9:00 a.m. [NOTE TIME]  
Dial-in Info 877-668-4493 or 650-479-3208  
Meeting Number 730 691 308#  
PASSWORD – 8553**

### **Board of Directors**

Barbara Quiñones, Homestead –Chair  
Lynne Tejada, Key West – Vice Chair  
Larry Mattern, Kissimmee – Secretary  
Allen Putnam, Jacksonville Beach – Treasurer  
Rodolfo Valladares, Alachua  
Bradley Hiers, Bartow  
Vacant, Blountstown  
Jody Young, Bushnell  
Robert Presnell, Chattahoochee  
Lynne Mila, Clewiston  
Jan Bagnall, Fort Meade  
John Tompeck, Fort Pierce  
Tom Brown, Gainesville  
Robert Page, Green Cove Springs  
Howard McKinnon, Havana  
Ed Liberty, Lake Worth Beach

Michael Beckham, Lakeland  
Brad Chase, Leesburg  
Vacant, Moore Haven  
Steve Langley, Mount Dora  
Bill Conrad, Newberry  
Joe Bunch, New Smyrna Beach  
Sandra Wilson, Ocala  
Claston Sunanon, Orlando  
Vacant, Quincy  
Bill Sturgeon, St. Cloud  
John Holman, Starke  
Rob McGarrah, Tallahassee  
James Braddock, Wauchula  
Scott Lippmann, Williston  
Dan D'Alessandro, Winter Park

### **Meeting Location**

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



## MEMORANDUM

**TO:** FMPA Board of Directors  
**FROM:** Jacob A. Williams, General Manager and CEO  
**DATE:** March 10, 2020  
**RE:** **FMPA Board of Directors Meeting – 9:00 a.m., March 19, 2020 [NOTE TIME]**  
**PLACE:** Florida Municipal Power Agency  
8553 Commodity Circle, Orlando, FL 32819  
**DIAL-IN:** **DIAL-IN INFO 877-668-4493 or 650-479-3208, Meeting Number # 730 691 308# – PASSWORD – 8553#**  
(If you have trouble connecting via phone or internet, call 407-355-7767)

### AGENDA

**Chairperson Barbara Quiñones, Presiding**

1. **Call to Order, Roll Call, Declaration of Quorum** ..... 4
2. **Recognition of Guests**..... 5
3. **Public Comments (Individual public comments limited to 3 minutes)**..... 6
4. **Set Agenda (by vote)** ..... 7
5. **Report from the General Manager (Jacob Williams)**..... 9
6. **Sunshine Law Update (Dan O'Hagan)**..... 20
7. **Consent Agenda**
  - a. **Approval of the Minutes for the Meeting Held February 13, 2020**..... 22
  - b. **Approval of the Projects' Preliminary Financials as of January 31, 2020** ..... 27
  - c. **Approval of the Treasury Reports as of January 31, 2020** ..... 29

**8. Action Items**

- a. None

**9. Information Items**

- a. Regulatory Compliance Update \* (Truong Le) ..... 34
- b. Phase I Solar Update \* (Susan Schumann) ..... 41
- c. Update on Solar Subscription Service \* (Susan Schumann)..... 47
- d. 2019 Emissions Update \* (Jacob Williams/Susan Schumann)..... 54
- e. Mobile Substation Update (Verbal Report) (Cairo Vanegas) ..... 58
- f. Update on Acumatica Accounting Software (Linda S. Howard)..... 60

**10. Member Comments..... 62**

**11. Adjournment..... 63**

**\*Also on the Executive Committee agenda.**

JW/su

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**

**Board of Directors Meeting  
March 19, 2020**

**AGENDA ITEM 2 – RECOGNITION OF  
GUESTS**

**Board of Directors Meeting  
March 19, 2020**

**AGENDA ITEM 3 – PUBLIC  
COMMENTS (Individual Public  
Comments Limited to 3 Minutes)**

**Board of Directors Meeting  
March 19, 2020**

**AGENDA ITEM 4 – SET AGENDA (By  
Vote)**

**Board of Directors Meeting  
March 19, 2020**

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

**Board of Directors Meeting  
March 19, 2020**



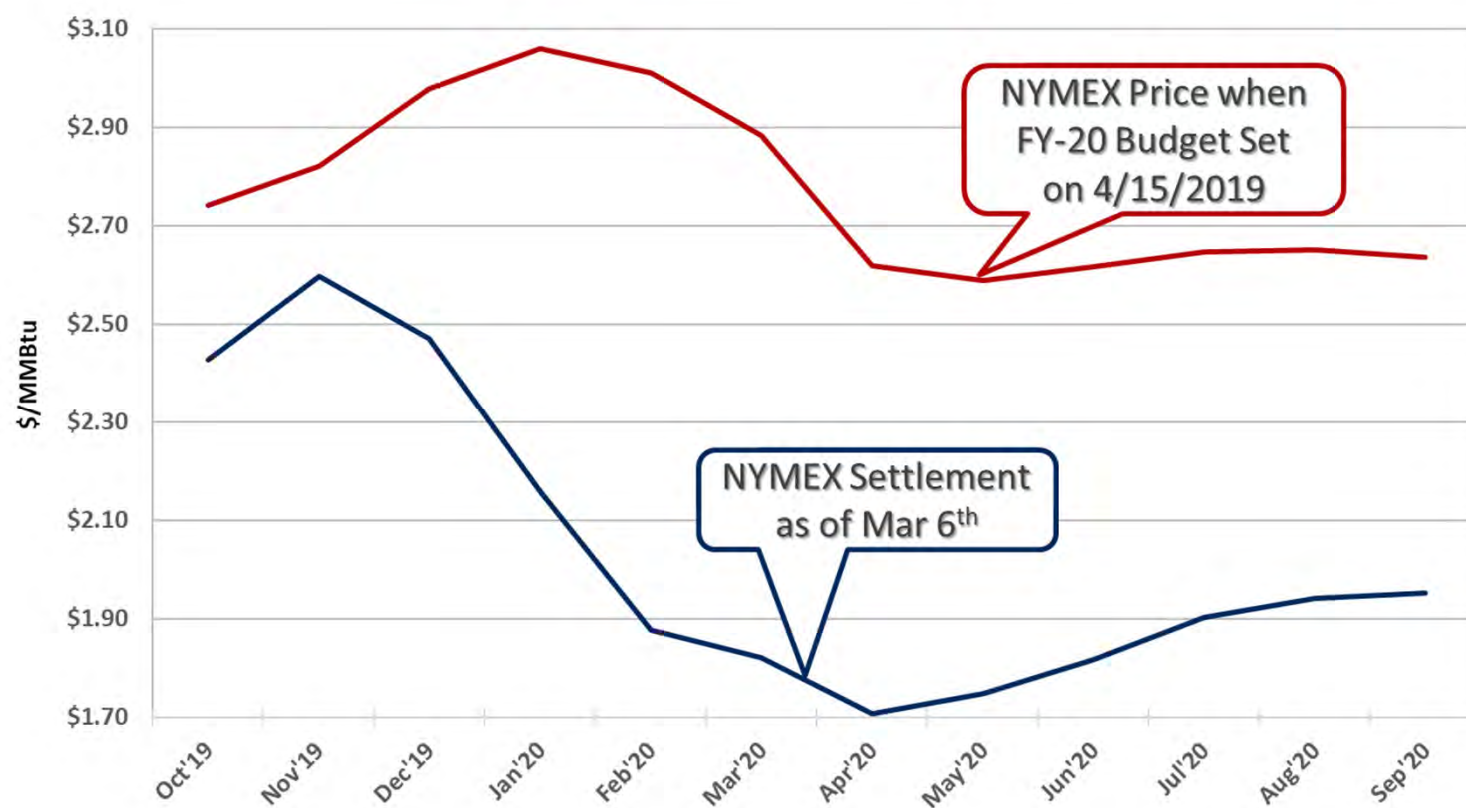
# Fiscal 2020 Management Goals Scorecard, as of February 29, 2020



Goal	Status	Actual	YTD Actual	YTD Target	FY'20 Target	Comment
1. <b>Safety</b> (no lost-time accidents for employees/agents)		0	0	0	0	Zero lost time accidents.
2. <b>Compliance</b> (no violations that are not self-reported)	Environ.	0	0	0	0	Zero compliance violations.
	Financial	0	0	0	0	
	Regulatory	0	0	0	0	
3. <b>Cyber Security</b> (zero cyber breaches: Corp IT & Plant Ops)		0	0	0	0	
<b>Members APPA Scorecard</b>		0	5	5	12	
<b>Phishing Testing</b>		6.9%	8%	5% or <	5% or <	Spoofing Google: "Security Alert: New device signed in" 5 Clickers
4. <b>Low Costs</b> (\$/MWh)	Non-Fuel	\$55.25	\$51.34	\$53.86	\$48.55	Jan. 2020; update by meeting w/Feb. data. YTD MWh sales 2.0% below target. Main drivers of all-in costs ~8% (~\$6/MWh) below YTD Target - fuel expenses 3% below & O&M expenses ~5% below.
	Fuels	\$17.88	\$20.85	\$24.05	\$24.09	
	All-in	\$73.13	\$72.19	\$77.91	\$72.64	
5. Reliability	CC EAF	99%	91%	88%	88%	99% reliability for all base load units in January. Cane Island Unit 4 was in a planned outage.
	KWS Blk Start					
	SAIDI Reduction	4	n/a	n/a	7	Bartow, Keys Energy, Clewiston, Newberry

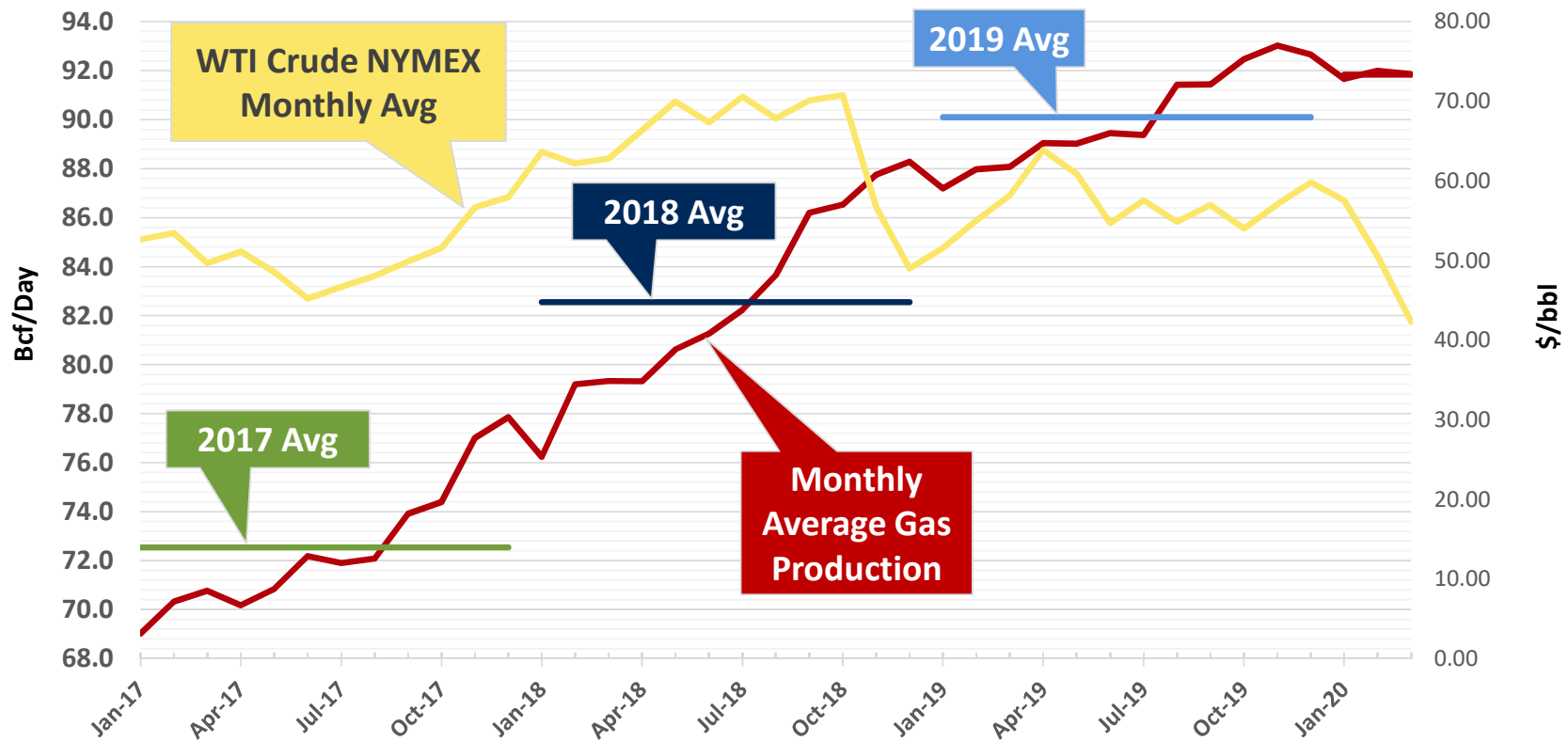
## FY 2020 NYMEX Contract \$0.74/MMBtu Below Budget

*NYMEX Natural Gas Settlement (as of 3/6/20)*



# Natural Gas Production Following Changes in Oil Prices

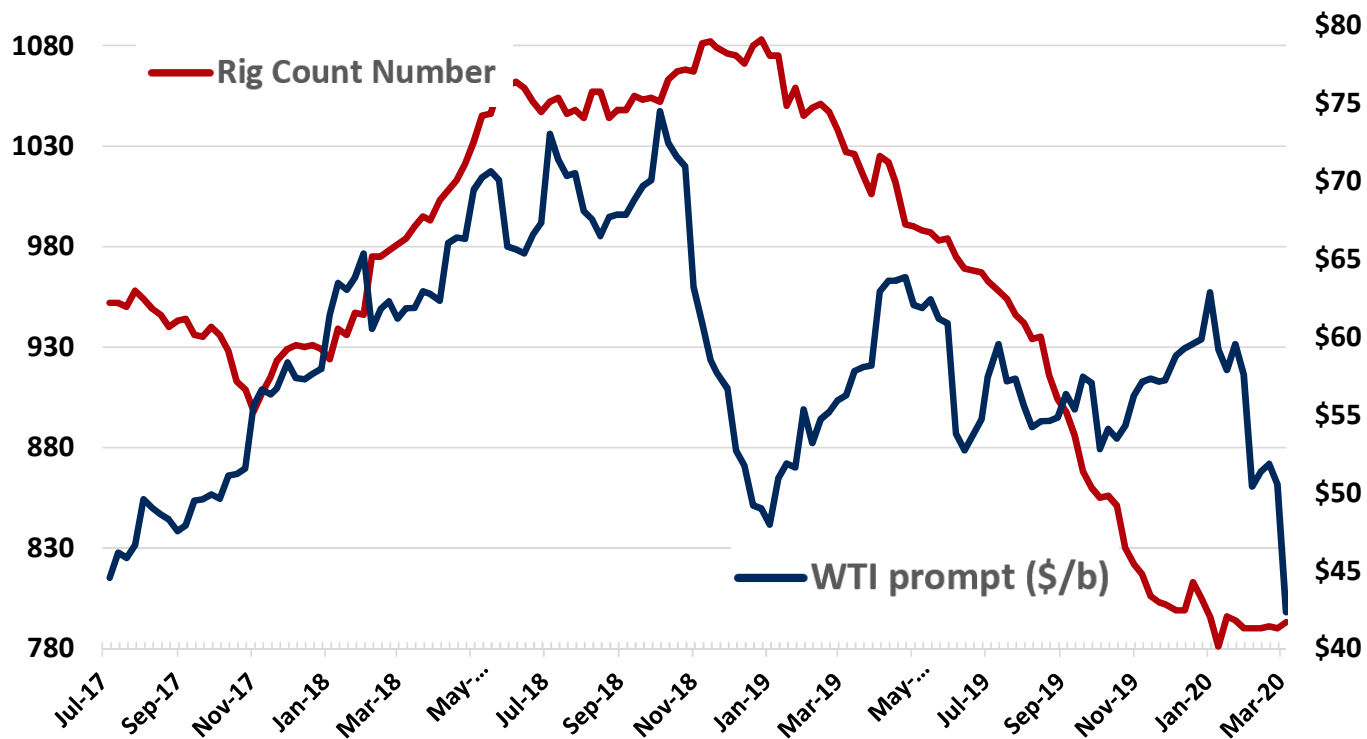
*Average Monthly Change Since 2017 to Date (3/6/20)*



## Drilling Rig Count Declines as Oil Prices Move Lower

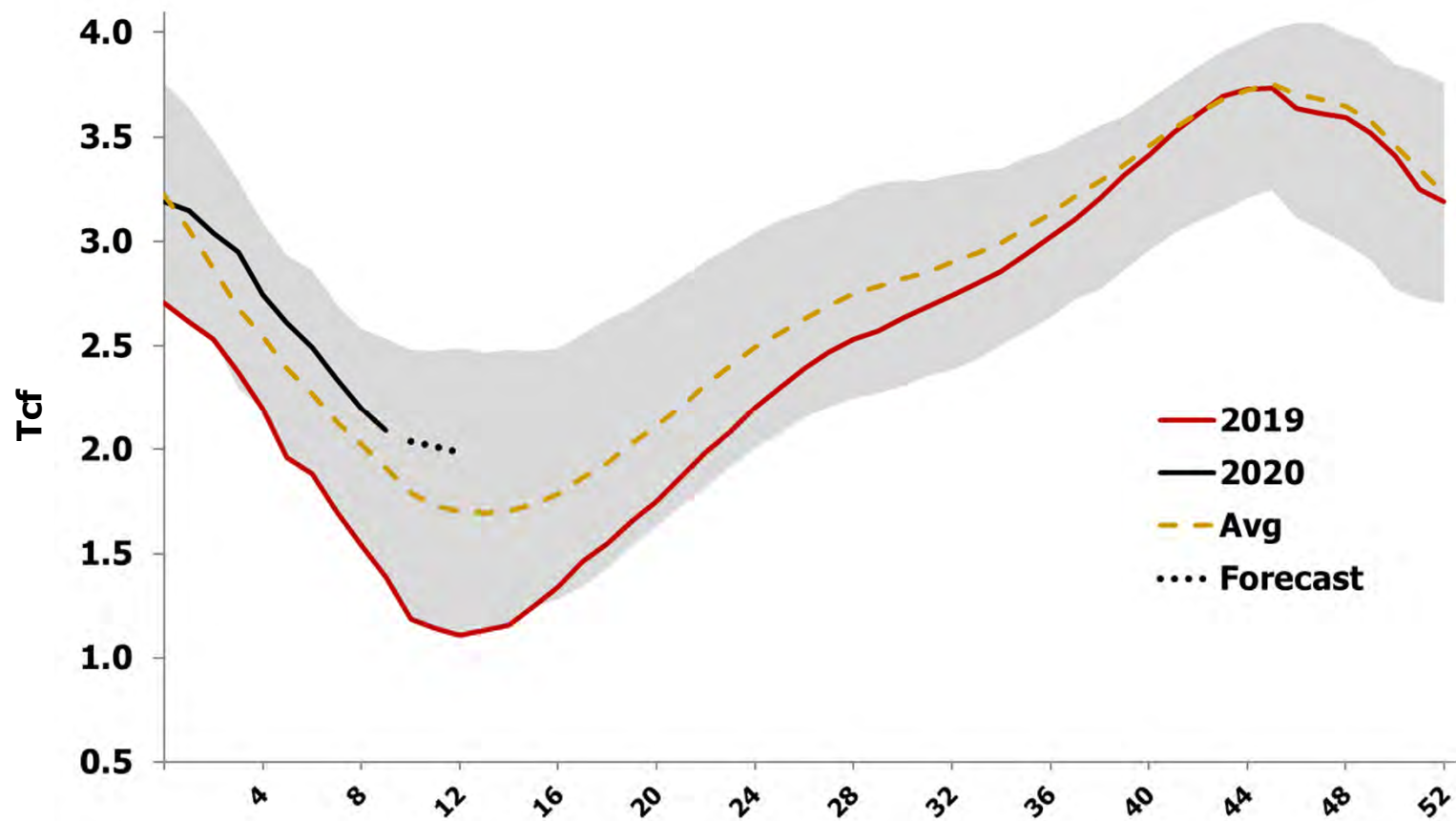
*Drilling Rig Expansion resumes decline as WTI Price falls (as of Mar 6<sup>th</sup> )*

US Drilling Rig Count vs WTI Prompt



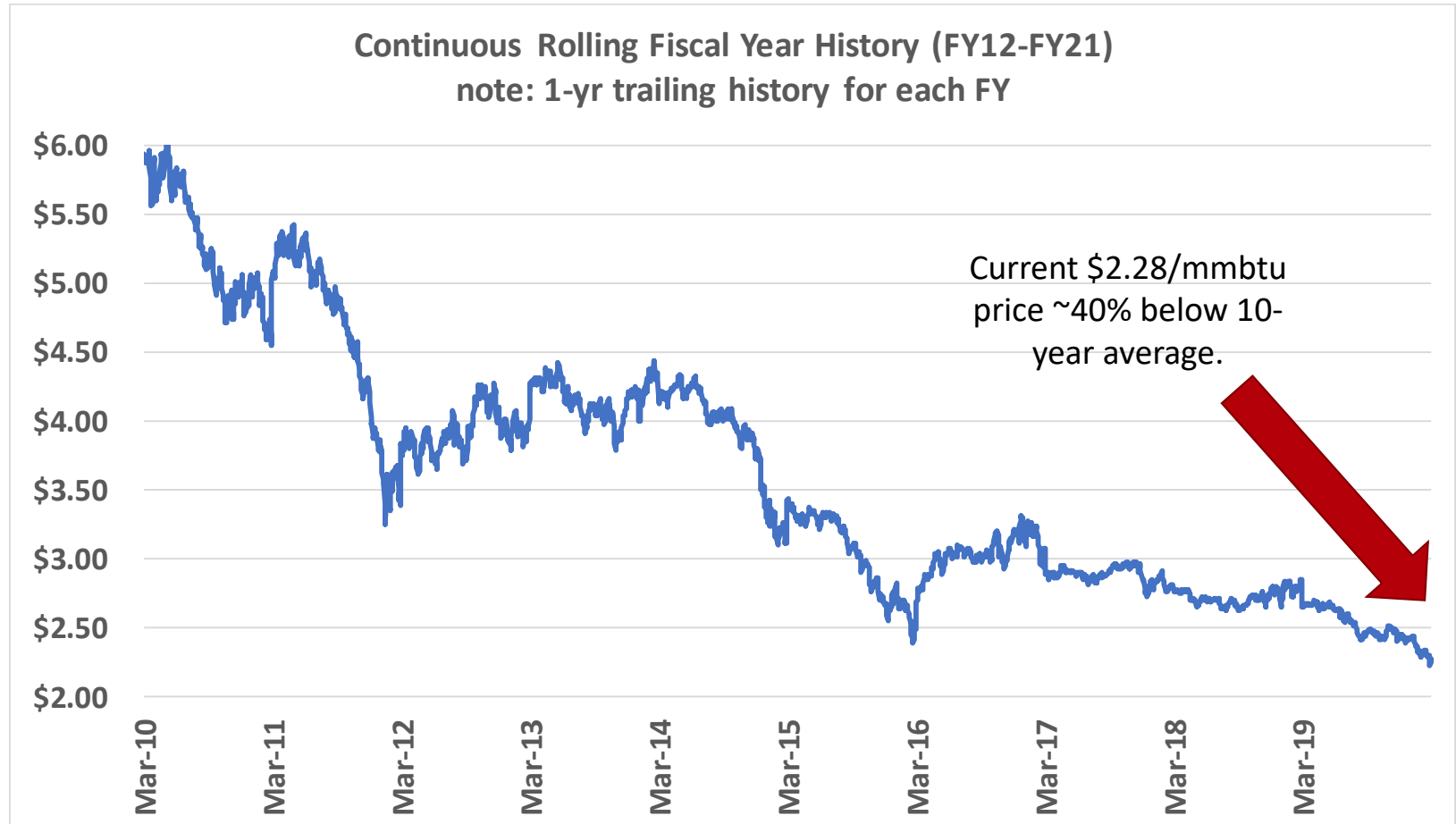
## Gas Storage Inventory as of Week Ending March 6<sup>th</sup>

*2020 Withdrawal Season trending above the 5 Year Average*



# Nymex Futures Fiscal Year Pricing at >10 year lows

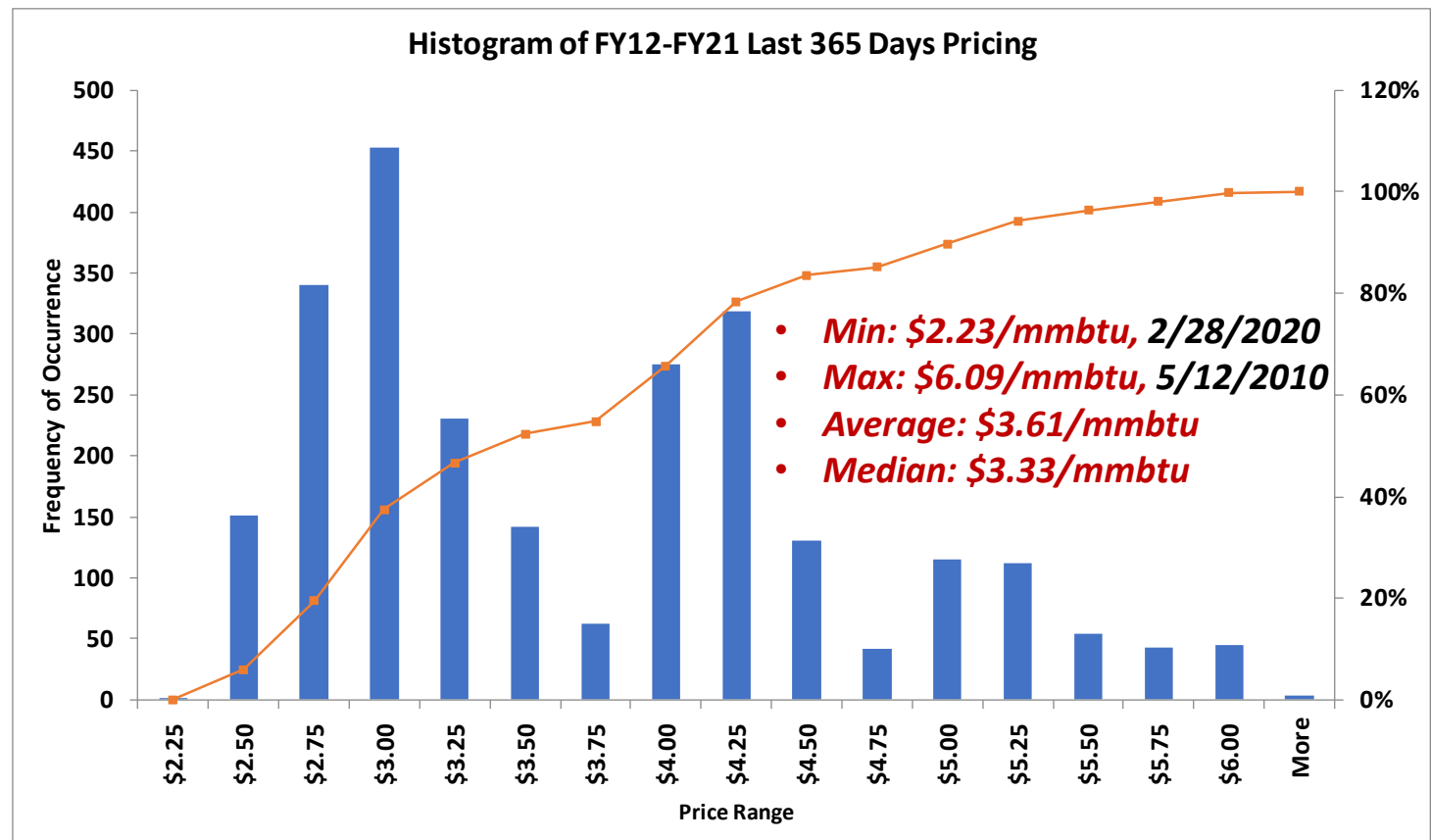
FY21  
current  
average  
*lowest in  
the last 10  
years*



# Fiscal Years Historical Data Statistics

*FY Strip Pricing only sub \$2.50/mmbtu 6% of the time*

Price	Frequency	Cumulative %
\$2.25	1	0%
\$2.50	151	6%
\$2.75	340	20%
\$3.00	453	38%
\$3.25	231	47%
\$3.50	142	52%
\$3.75	62	55%
\$4.00	275	66%
\$4.25	318	78%
\$4.50	131	84%
\$4.75	42	85%
\$5.00	115	90%
\$5.25	112	94%
\$5.50	54	96%
\$5.75	43	98%
\$6.00	45	100%
More	4	100%



# Risk Analysis of Potential Price Settlements

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## Historical Assumptions

- Max Burn\*: 38.5 mm mmbtus/yr
- Load\*: 6.1 mm Mwhts/yr
- Index Purch: 9.5mm mmbtus/yr
- Remaining: 29.0 mm mmbtus/yr

\* FY19 data, load w/sales

## Scenario Analysis

- Price Drop: \$0.30/mmbtu
- Price Increase: \$0.70/mmbtu
- Fixed Price Positions:
  - 25% = 7.3 mm mmbtus
  - 50% = 14.5 mm mmbtus
  - 75% = 21.8 mm mmbtus

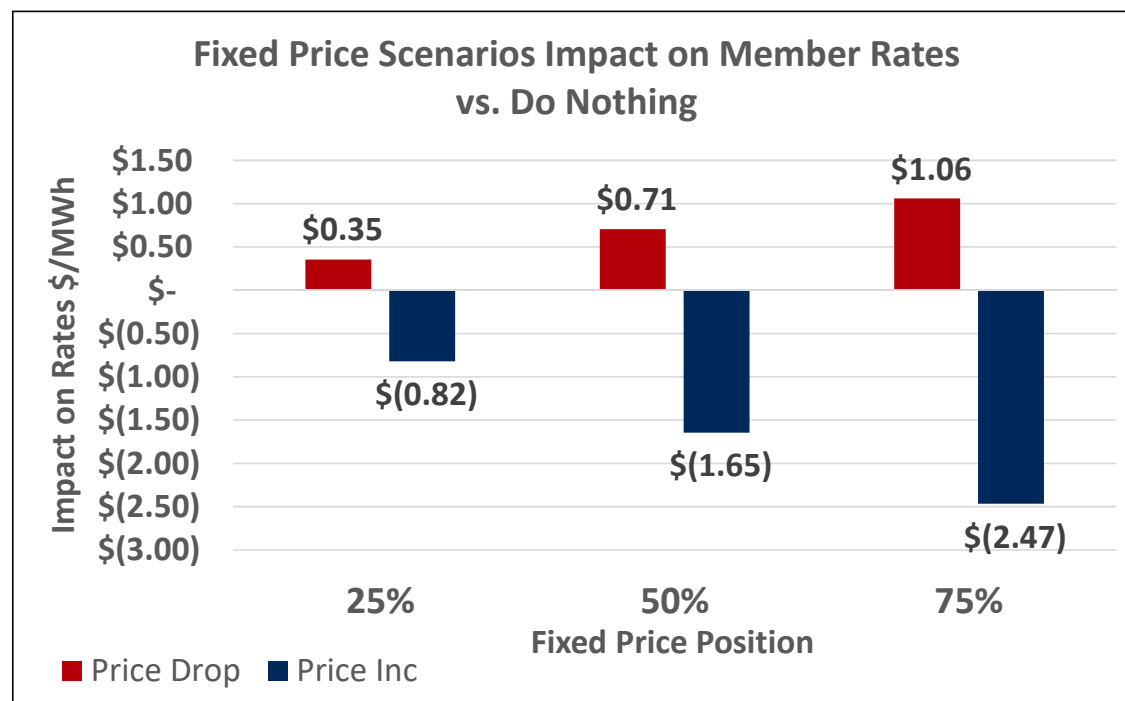


# Rate Sensitivity Scenario Results

## Impacts of Price Scenarios vs. Fixed Price Purchase Positions on Rates

### Financial Stress Test Results

	Price Drop	Price Inc
<u>Mmbtus</u>	<u>\$(0.30)/mmbtu</u>	<u>\$0.70/mmbtu</u>
7.3 mm	\$(2.2) mm	\$ 5.1 mm
14.5 mm	\$(4.4) mm	\$10.2 mm
21.8 mm	\$(6.5) mm	\$15.2 mm



(Continued) **Management Goals Scorecard**, as of February 29, 2020



Goal	Status	Comment
<b>6. Energy/Capacity Sales -</b> Execute wholesale agrmts. with projected margin value \$3.5M for FY2020-2024		Reedy Creek 35 MW off-peak energy sale extended through March.
<b>7. Enhance Pool – for future significant solar resources</b> - Hire new Exec. Dir. - Devel. practices for extra reserves and fast start needs - Devel. mkt. compensation products to manage new solar resources		Pool of candidates being developed, interviews in April. FMPP Solar Task Force working with consultants to model impact of solar on pool operations. Reserve Task Force developed new draft reserve policy being reviewed by Pool participants.
<b>8. Member Services</b> <b>Visits by Leadership Team (75)</b>		8 visits in February – total year to date is 35.
<b>Member Services</b> 15 project oversight		9 YTD, no new projects in February
Assist solar subscription service - 6		<ul style="list-style-type: none"> <li>Actively working on subscription rates for 3 members: KUA, Ocala, FPUA.</li> <li>Detailed introductory information shared with 3 additional interested members: NSB, Mount Dora, KEYS</li> <li><b>Solar members are encouraged to contact FMPPA if interested in investigating solar subscriptions for your city.</b></li> </ul>

*(Continued)* **Management Goals Scorecard**, as of February 29, 2020



Goal	Status	Comment
<b>9. Promoting Value of Utilities</b> Update Member Reports – 16 Public Presentations by Members or FMPA - 10		<ul style="list-style-type: none"> <li>PowerPoint templates have been developed for 15 members</li> <li>4 of 16 Member Reports Updated/Completed: Green Cove Springs, Mount Dora, Havana, Wauchula</li> <li>0 of 10 Public Presentations complete or scheduled</li> <li>Outreach to individual members is in progress to determine high-priority members; several members have indicated interest in public presentations, pending updated member reports.</li> </ul>
<b>10. Solar Project</b> - Execute Phase 2 Solar Agreements - Assist Members marketing Phase 1 groundbreaking & energize Phase 1		<ul style="list-style-type: none"> <li>Phase II Agreements fully executed.</li> <li>Phase I construction photos and videos for marketing and promotion are being distributed to members and posted on social media on a regular basis.</li> <li>“Behind the Switch” social media campaign highlights LWB, KUA, OUC, and FMPA during the month of Mar</li> <li>Phase I development issues for Poinsett and Harmony resolved.</li> <li>Phase I Harmony and Taylor Creek on schedule for June 2020 COD.</li> </ul>
<b>11. ARP Restructuring -</b> Reach agrmt. on Members desired path		Workshop March 18 at 2pm.
<b>12. People</b> - Development opportunities/cross training/Back-Up – at least 8		YTD – 5. New development opportunity in the Financial analysis and rates area. AP, SCADA, Member Services project management and Public Relations are on going. All team members have completed development plans and Management is working on more development opportunities.
- FMPA Fleet Team Sharing – 80 days		Total of 80 days FYTD. Cane Island staff at Treasure Coast for 4 days in February.

# **VERBAL REPORT**

## **AGENDA ITEM 6 – SUNSHINE LAW UPDATE**

**Board of Directors Meeting  
March 19, 2020**

**AGENDA ITEM 7 – CONSENT  
AGENDA**

- a. Approval of the Minutes for the  
Meeting Held February 13, 2020**

**Board of Directors Meeting  
March 19, 2020**

CLERKS DULY NOTIFIED ..... FEBRUARY 4, 2020  
AGENDA PACKAGES POSTED..... FEBRUARY 4, 2020

**MINUTES**  
**FMPA BOARD OF DIRECTORS MEETING**  
**FLORIDA MUNICIPAL POWER AGENCY**  
**8553 COMMODITY CIRCLE**  
**ORLANDO, FL 32819**  
**THURSDAY, FEBRUARY 13, 2020**  
**9:00 A.M.**

**MEMBERS** Lynne Mila, Clewiston (via telephone)  
**PRESENT** Jan Bagnall, Fort Meade  
John Tompeck, Fort Pierce  
Bob Page, Green Cove Springs  
Howard McKinnon, Havana \* (via telephone)  
Barbara Quinones, Homestead  
Allen Putnam, Jacksonville Beach  
Lynne Tejeda, Key West  
Larry Mattern, Kissimmee  
Ed Liberty, Lake Worth Beach (via telephone)  
Michael Beckham, Lakeland (via telephone)  
Brad Chase, Leesburg  
Steve Langley, Mount Dora  
Bill Conrad, Newberry  
Joe Bunch, New Smyrna Beach (via telephone)  
Sandra Wilson, Ocala (via telephone)  
Claston Sunanon, Orlando  
John Holman, Starke  
Michael Passarella, Winter Park

\*joined after roll call.

**OTHERS** Paul Jakubczak, Fort Pierce  
**PRESENT** Brian Horton, Kissimmee  
Eric Weaver, Ocala  
Craig Dunlap, Dunlap & Associates, Inc.  
Lynn Sand, Leidos  
Rafael Coured, Power Engineers

**STAFF** Jacob Williams, General Manager and CEO  
**PRESENT** Jody Finklea, General Counsel and CLO  
Ken Rutter, Chief Operating Officer  
Linda S. Howard, Chief Financial Officer  
Carol Chinn, Chief Information and Compliance Officer  
Mark McCain, Assistant General Manager, Member Services  
and Public Relations  
Dan O'Hagan, Assistant General Counsel and Regulatory  
Compliance Counsel

Rich Popp, Treasurer and Risk Director  
Sue Utley, Executive Asst. /Asst. Secy. to the Board  
Truong Le, Manager of Regulatory Compliance  
Liyuan Woerner, Audit Manager  
Mike McCleary, Manager of Member Services Development  
Sharon Adams, Human Resources Director  
Danyel Sullivan-Marrero, Controller  
Cairo Vanegas, Manager of Member Services Development  
Chris Gowder, Business Development and Planning Manager  
Jason Wolfe, Financial Planning, Rates and Budget Director  
Carter Manucy, Cyber Security Manager  
Luis Cruz, Information Technology Manager  
Jesse Rivera, Information Technology Support Specialist  
Isabel Montoya, Information Technology Intern  
Susan Schumann, Manager of External Affairs and Solar Projects  
David Schumann, Power Generation Fleet Director

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

Vice Chair Lynne Tejeda, Key West, called the Board of Directors meeting to order at 9:00 a.m. on Thursday, February 13, 2020, 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 17 members present representing 28 votes out of a possible 47.5. Howard McKinnon, Havana, joined after roll call bringing the total members present to 18 present representing 30 votes out of a possible 47.5.

### **ITEM 2 – Recognition of Guests**

Vice Chair Lynne Tejeda welcomed John Holman, new City Manager at Starke and Jan Bagnall, new Electric Director for Fort Meade.

### **ITEM 3 – PUBLIC COMMENTS (Individual Public Comments Limited to 3 Minutes)**

None

### **ITEM 4 – SET AGENDA (by vote)**

**MOTION:** Allen Putnam, Jacksonville Beach, moved approval of the agenda as presented. Lynne Tejeda, Key West, seconded the motion. Motion carried 30 – 0.

### **ITEM 5 – REPORT FROM THE GENERAL MANAGER**

Jacob Williams reported on the following items:

- 1. Plaque of Appreciation presented to John Holman for Bob Milner, retiring Starke City Manager**
- 2. Goals Scorecard**

## **ITEM 6 – SUNSHINE LAW UPDATE**

Dan O'Hagan reported that when FMPA members gather socially, nothing can be discussed between the members that may come before the Board of Directors for action in the future.

## **ITEM 7 – CONSENT AGENDA**

- a. Approval of Minutes – Meeting Held January 16, 2020
- b. Approval of the Projects' Preliminary Financials as of December 31, 2019
- c. Approval of the Treasury Reports as of December 31, 2019

**MOTION:** Bill Conrad, Newberry, moved approval of the Consent Agenda as presented. Lynne Tejeda, Key West, seconded the motion. Motion carried 30 – 0.

## **ITEM 8 – ACTION ITEMS**

### **a. Approval of Risk Management Policy Changes**

Liyuan Woerner reported on the suggested risk management policy changes approved by the Finance Committee.

**MOTION:** Allen Putnam, Jacksonville Beach, moved approval of recommended policy changes. John Tompeck, Fort Pierce, seconded the motion. Motion carried 30 – 0.

### **b. Approval of Allocation of Development Fund Expenses**

Chris Gowder reported on the allocation of Development Fund expenses for the Solar project.

**MOTION:** Larry Mattern, Kissimmee, moved approval of funding Harmony Solar interconnection expenses of \$870,000 out of the FMPA Development Fund authorized amounts with such expenses being allocated to the ARP Phase I Solar Participants based on their solar entitlement ratio share to be reimbursed over 20 years as an adder to the energy charge for each MWh received from the Harmony Solar facility. Allen Putnam, Jacksonville Beach, seconded the motion. Motion carried 28 – 2. Green Cove Springs voted nay.

### **c. Approval Solar Phase I Poinsett PPA Revisions**

Chris Gowder discussed the revisions to the Poinsett Power Purchase Agreement.



**MOTION:** Lynne Tejeda, Key West, moved approval of the Amended and Restated Renewable Energy Power Purchase Agreement between Florida Municipal Power Agency and Poinsett Solar, LLC and authorize the CEO & General Manager to execute the agreement. Allen Putnam, Jacksonville Beach, seconded the motion. Motion carried 30 – 0.

## **ITEM 9 – INFORMATION ITEMS**

### **a. Mobile Substation Discussion**

Cairo Vanegas discussed information he gathered on acquiring or renting a mobile substation.

Several members said they would be interested in getting more information. Staff will bring this information back to the Board for further discussion.

### **b. Annual Debt Report**

Rich Popp presented the annual debt report.

## **ITEM 10 – MEMBER COMMENTS**

None

## **ITEM 11 – ADJOURNMENT**

There being no further business, the meeting was adjourned at 10:32 a.m.

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Barbara Quiñones  
Chairperson, Board of Directors

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Larry Mattern  
Secretary

Approved: \_\_\_\_\_

Seal

BQ/LM/su

**AGENDA ITEM 7 – CONSENT  
AGENDA**

- b. Approval of the Projects’  
Preliminary Financials as of  
January 31, 2020**

**Board of Directors Meeting  
March 19, 2020**



Linda S. Howard, CPA, CTP  
Chief Financial Officer

## AGENDA PACKAGE MEMORANDUM

**TO:** FMPA Board of Directors  
**FROM:** Linda Howard  
**DATE:** March 3, 2020  
**ITEM:** 7b – Approval of Projects’ Financials as of January 31, 2020

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**Discussion:** The summary financial statements and detailed financial statements of the Projects for the period ended January 31, 2020 are posted on the Document Portal section of FMPA’s website.

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**Recommended:** Move approval of the Projects’ Financial Reports for the month ended January 31, 2020.

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LH/GF

**AGENDA ITEM 7 – CONSENT  
AGENDA**

- c. Approval of the Treasury Reports  
as of January 31, 2020**

**Board of Directors Meeting  
March 19, 2020**



## AGENDA PACKAGE MEMORANDUM

TO: FMPA Board of Directors  
FROM: Sena Mitchell  
DATE: March 10, 2020  
ITEM: BOD 7(c) – Approval of Treasury Reports as of January 31, 2020

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**Introduction** This agenda item is a quick summary update of the Treasury Department's functions.

The Treasury Department reports for December are posted in the member portal section of FMPA's website.

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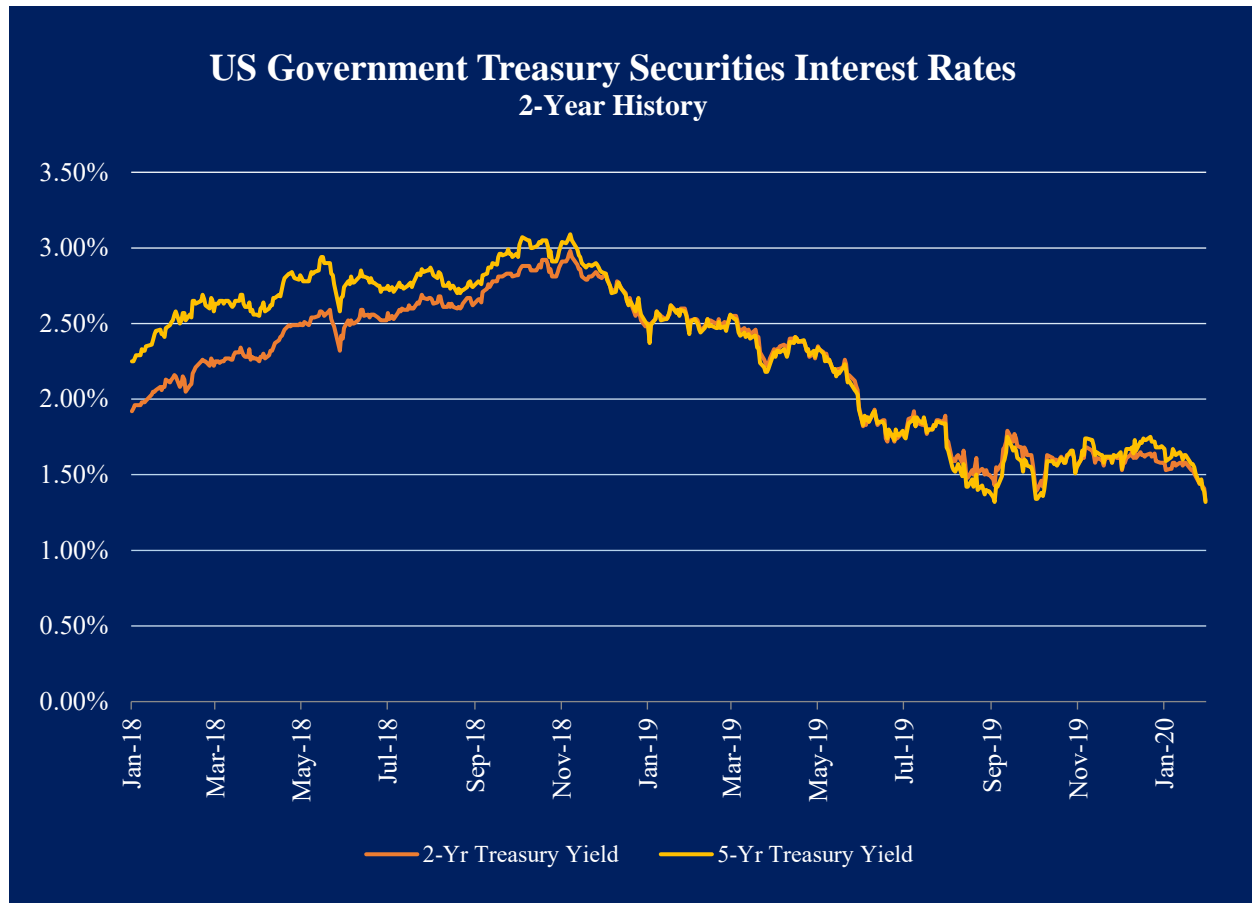
**Debt Discussion** Below is a summary of the total debt outstanding and the percentage of debt that was fixed, variable or synthetically fixed with interest rate swaps as of January 31, 2020.

	Total debt Outstanding	Fixed Rate	Variable Rate	Synthetically Fixed
Agency	0.00	0%	0%	0%
St Lucie	117,135,000	100%	0%	0%
Stanton	0.00	0%	0%	0%
Stanton II	112,054,000	100%	0%	0%
Tri City	0.00	0%	0%	0%

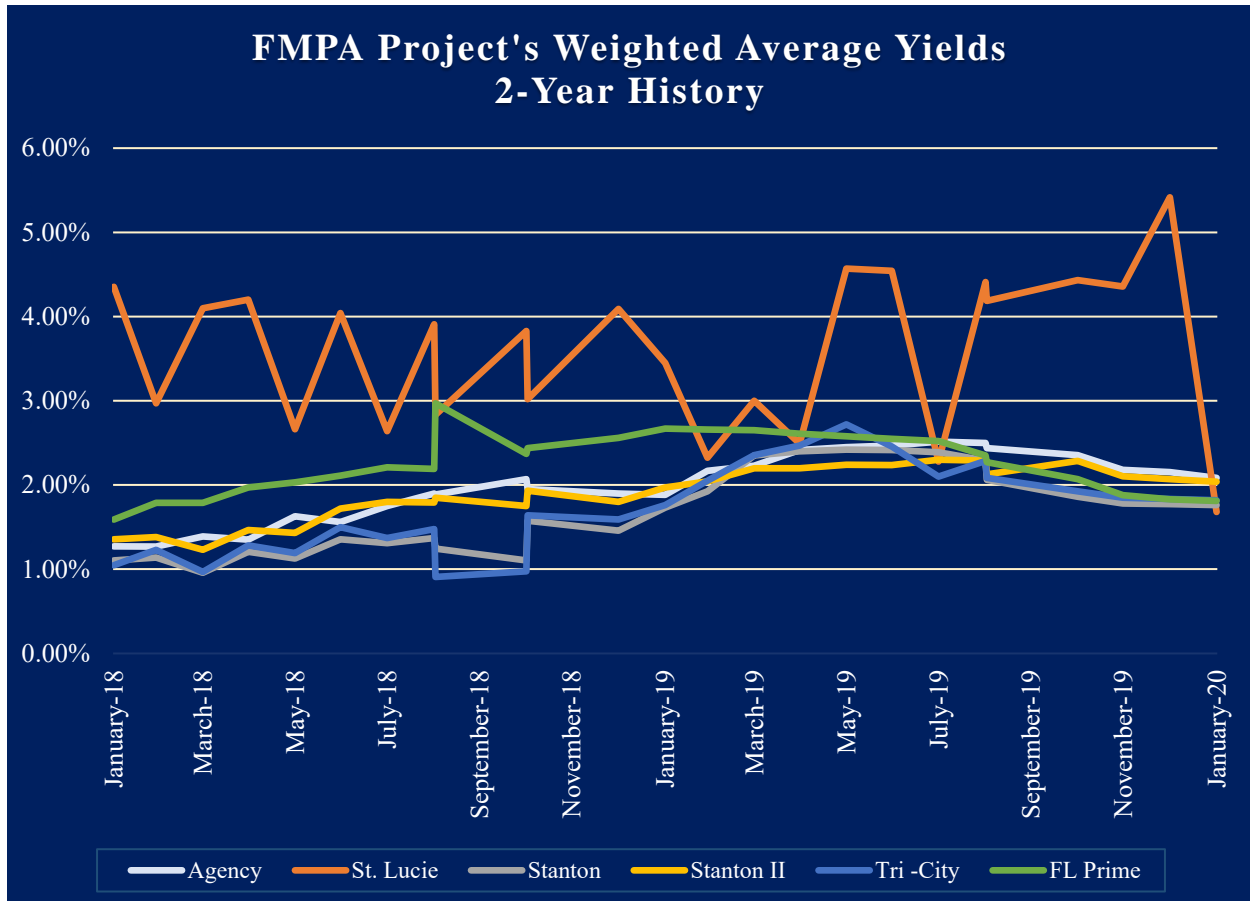
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**Investment Discussion** The investments in the Projects are comprised of debt from the government-sponsored enterprises such as the Federal Farm Credit Bank, Federal Home Loan Bank, Federal Home Loan Mortgage Corporation (Freddie Mac), and Federal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

Below is a graph of US Treasury yields for the past 2 years. The orange line is the 2-year Treasury which closed the month of January at 1.33%. The yellow line is the 5-year Treasury which was 1.32%.



The weighted average yields on investments earned as of January 31, 2020 in the Projects, along with their benchmark (SBA's Florida Prime Fund), are as follows:



Recommended  
Motion

Move approval of the Treasury Reports for January 31, 2020.

## **AGENDA ITEM 8 – ACTION ITEMS**

**a. None**

**Board of Directors Meeting  
March 19, 2020**



**AGENDA ITEM 9 – INFORMATION  
ITEMS**

**a. Regulatory Compliance Update**

**Board of Directors Meeting  
March 19, 2020**



# Regulatory Compliance Update

Board 9a & EC 9a

March 19, 2020

# FMMPA Compliance

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- Self-certification
  - None for 2020
- Compliance Department is responsible addressing increased NERC Standards Requirements
- Cyber Security — Security Management Controls
  - CIP 003-7 effective 1/1/2020
  - CIP 003-8 effective 4/1/2020
- Supply Chain Risk Management
  - CIP 005-6, CIP 010-3, CIP 013-1 effective 7/1/2020

# FMMPA Compliance

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- SMEs and other staff more active in FMMPA Compliance
  - Compliance as work metric vs. checking the work
  - Ownership of related standards
- Attended SERC Spring Compliance Seminar
- SERC Inherent Risk Assessment and other data requests

# Member Support

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- Peer reviewed for Ocala & FPUA
- Assisting Members with SERC IRA
- OCALA BES Exception request renewal
- KEYS BES Exception request renewal forwarded to NERC
- FMMPA hosted OT Threat Workshop
  - Dragos, Emerson, SEL

# Industry Influence

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- Staff continues to play an active role within NERC and with trade organizations such as NAGF, TAPS and APPA.
  - Truong Le attended SERC Spring Compliance Seminar, Small Entity Seminar
  - Presented at the Small Entity Seminar
- FMPPA staff met with FERC in early December along with other TAPS members.
  - FERC Office of Electric Reliability reorganized
  - FERC is increasing industry outreach focus

# Industry Influence

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- Standards Efficiency Review
  - Carol Chinn continues to play an active role and is on the SER Advisory Team
  - FERC approved NERC's retirement of 74 of 77 Reliability Standards (Phase I)
  - Phase II in progress
- Cold Weather draft SAR – Generation
- Marty Hostler from Northern California Power Agency (NCPA)
  - Elected to Standards Committee with (TAPS & APPA support) replacing Chris Gowder

**AGENDA ITEM 9 – INFORMATION  
ITEMS**

**b. Phase I Solar Update**

**Board of Directors Meeting  
March 19, 2020**



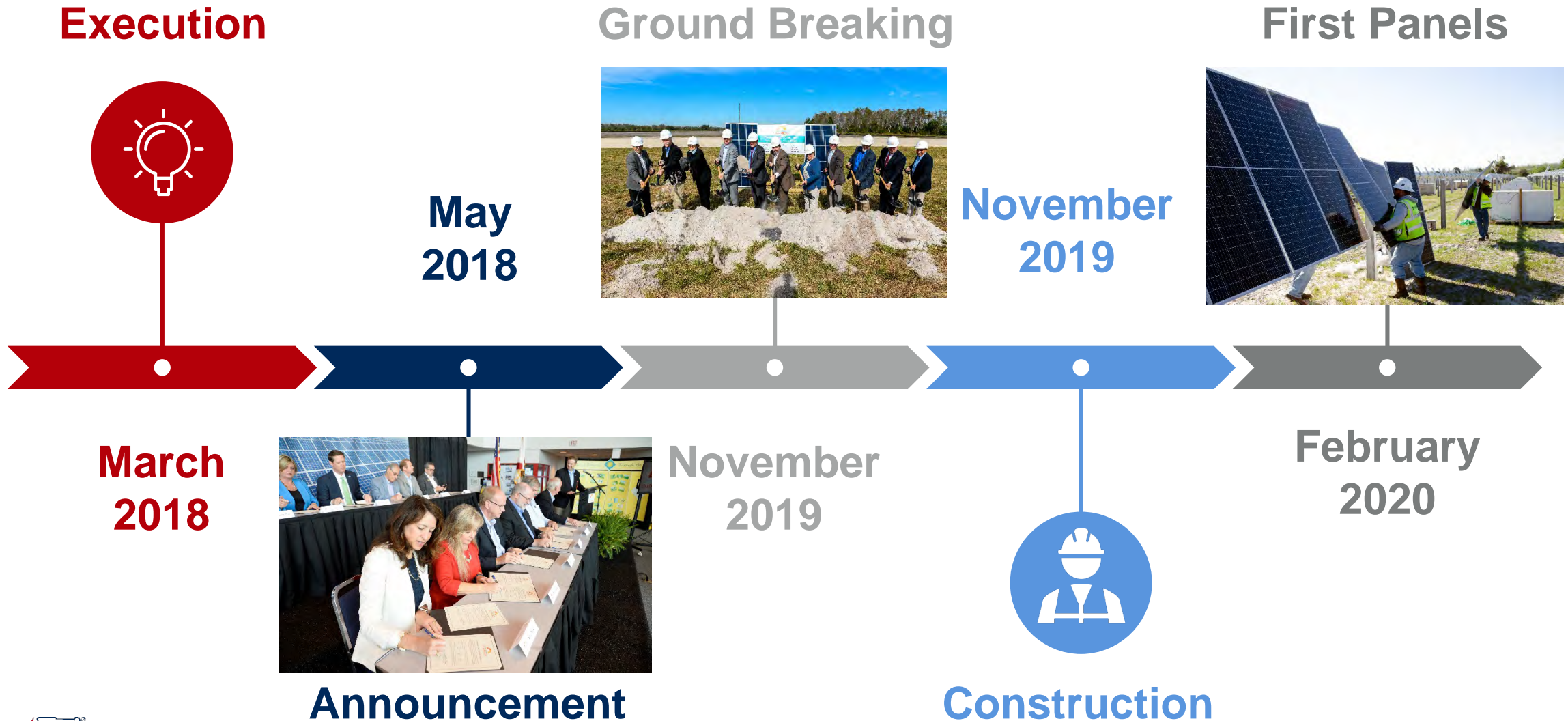


# **BOD 9b / EC 9b**

## **Phase I Solar Project Update**

FMIPA Board of Directors and Executive Committee  
March 19, 2020

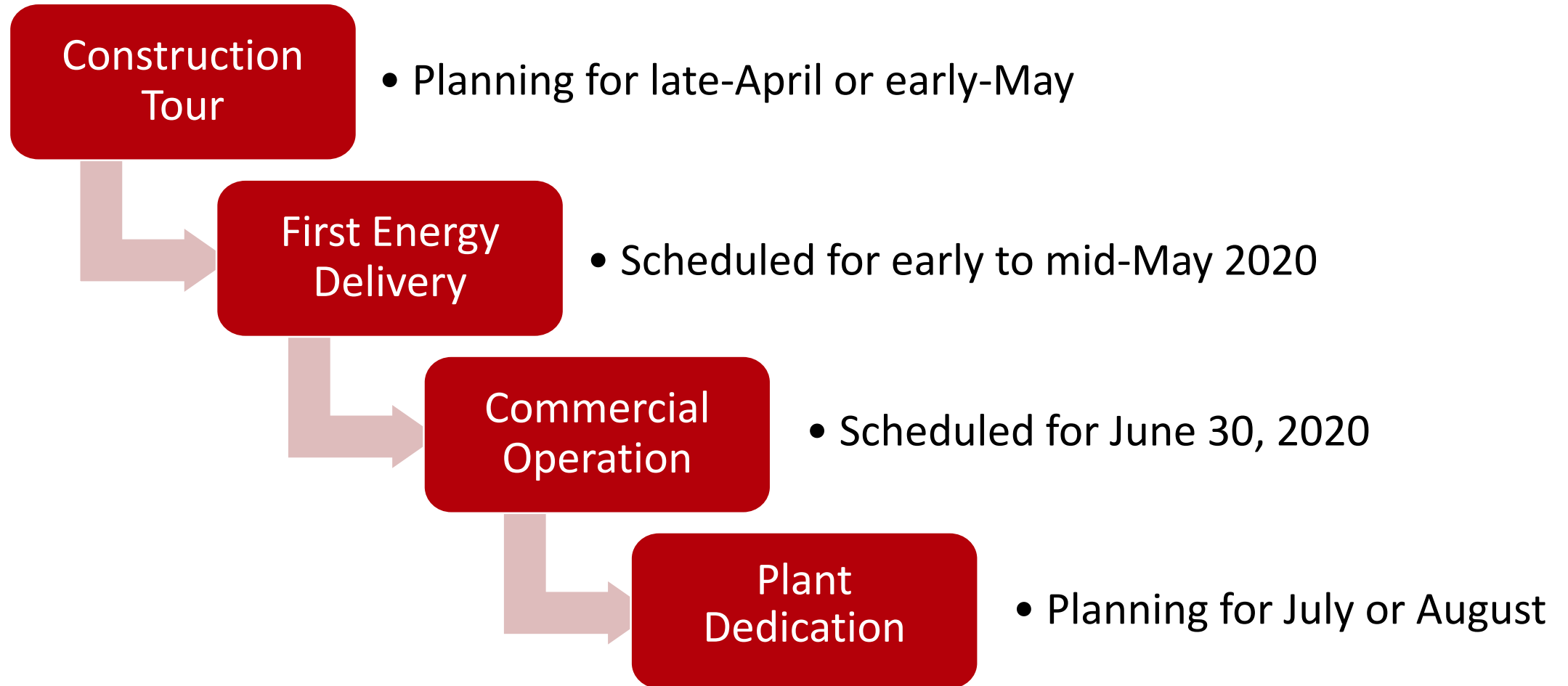
# Florida Municipal Solar Project Timeline



# What's Next?

## *Upcoming milestones for Harmony and Taylor Creek Sites*

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# Harmony Solar Construction - February 2020



# Information Only

*No action requested*

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*Thank you!*

**AGENDA ITEM 9 – INFORMATION  
ITEMS**

**c. Update on Solar Subscription  
Service**

**Board of Directors Meeting  
March 19, 2020**



# **BOD 9c / EC 9c**

## **Update on Solar Subscription Service**

FMIPA Board of Directors and Executive Committee  
March 19, 2020



# Florida Municipal Solar Project

## *16 FMMPA Members Participate in Phase I and Phase II*

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- Solar I and II Project Participants

- Alachua
- Bartow
- Homestead
- Lake Worth Beach
- **Mount Dora\***
- **New Smyrna Beach\***
- Wauchula
- Winter Park

- ARP Solar Participants

- Beaches
- **Fort Pierce\***
- Havana
- **Key West\***
- **Kissimmee\***
- Newberry
- **Ocala\***

\* Six Members currently  
pursuing solar subscription rate

(Orlando Utilities Commission participates  
in FMSP Phase I under separate PPA)



# KUA already implementing program!

## Preparing for July 2020 Solar Energy Delivery

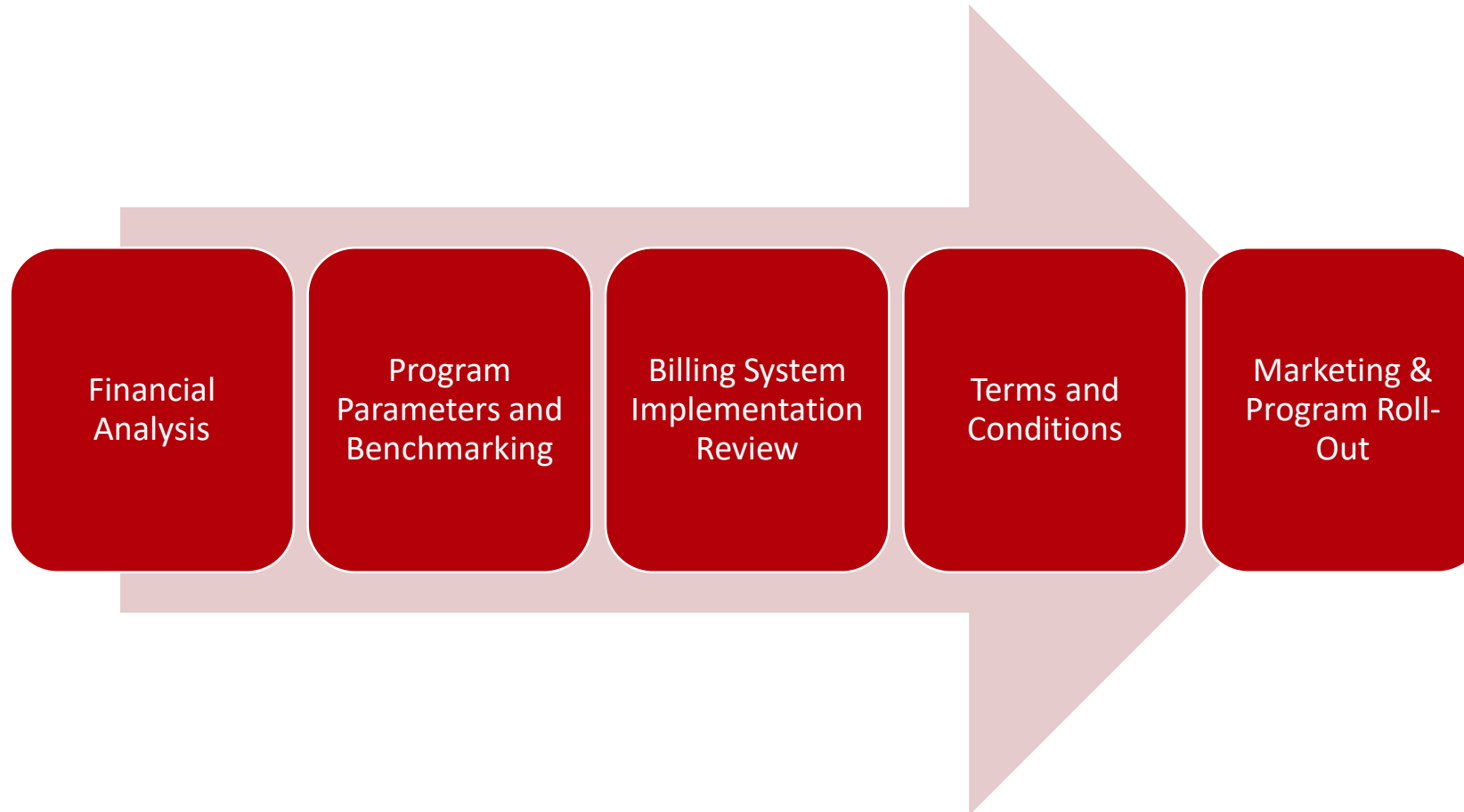
- Allowing 25%, 50%, 75% or 100% participation
- Flat rate adder of \$0.04 per kWh of solar energy subscribed
- Informative Website
  - Educational Videos
- Social Media Campaign
- Additional Customer Communications material planned



# Solar Subscription Program Process

## *Overview of Key Steps*

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# Solar Subscription Program Decision Chart

## *Key Program Decisions to Consider*

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	Decision:
?	Balancing monthly or annually
?	How to determine under-delivery assignment and crediting?
?	Solar Adjustment Mechanism
?	What levels of participation will be allowed?
?	Timing of subscription and impact on term (given PPA is only for 20 years)
?	Socialize solar rate based on cost of overall portfolio (i.e. Phase I, Phase II and others)?
?	Debt recovery, low income, and pay-as-you-go program eligibility
?	Should City Hall and Customer Service go 100% and if so, field any delivery shortage first?
?	Retail class allocations?

# Let us Help!

*FMPA Solar Rates Team ready to provide assistance*

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- Contact us for more info
- Navid Nowakhtar (321) 239-1028
- Susan Schumann (321) 239-1047

**AGENDA ITEM 9 – INFORMATION  
ITEMS**

**d. 2019 Emissions Update**

**Board of Directors Meeting  
March 19, 2020**

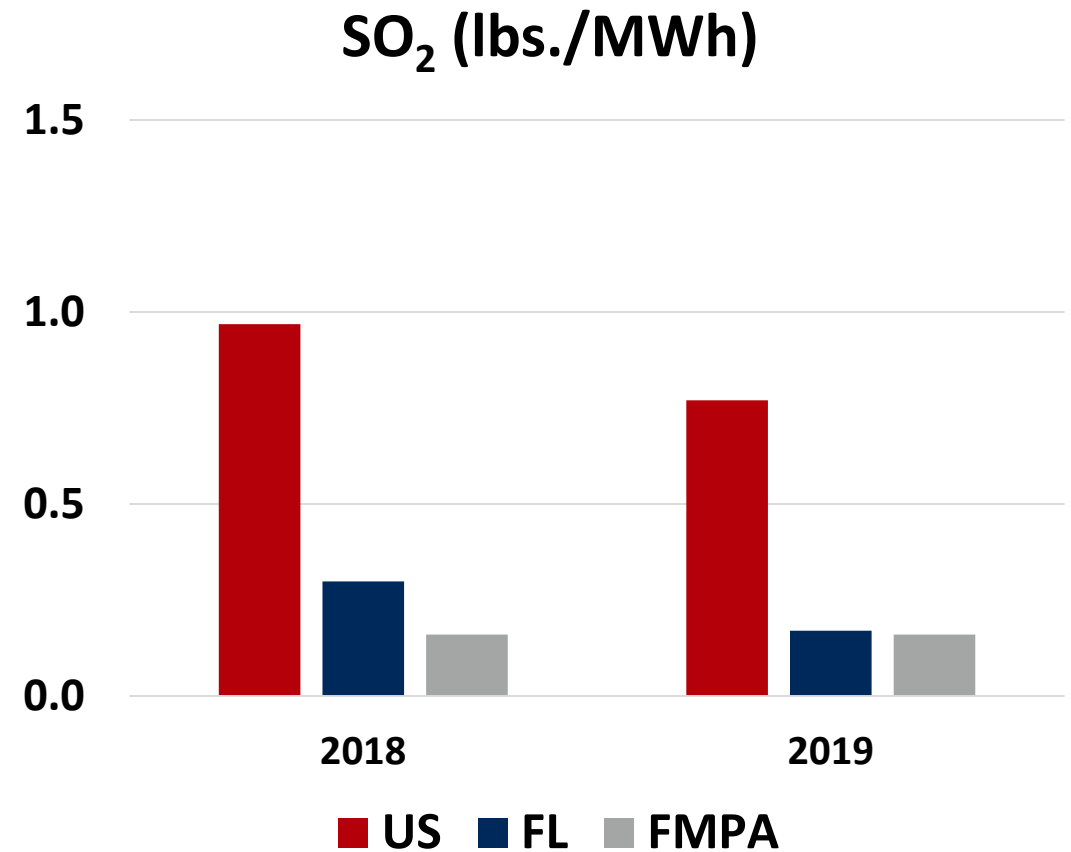
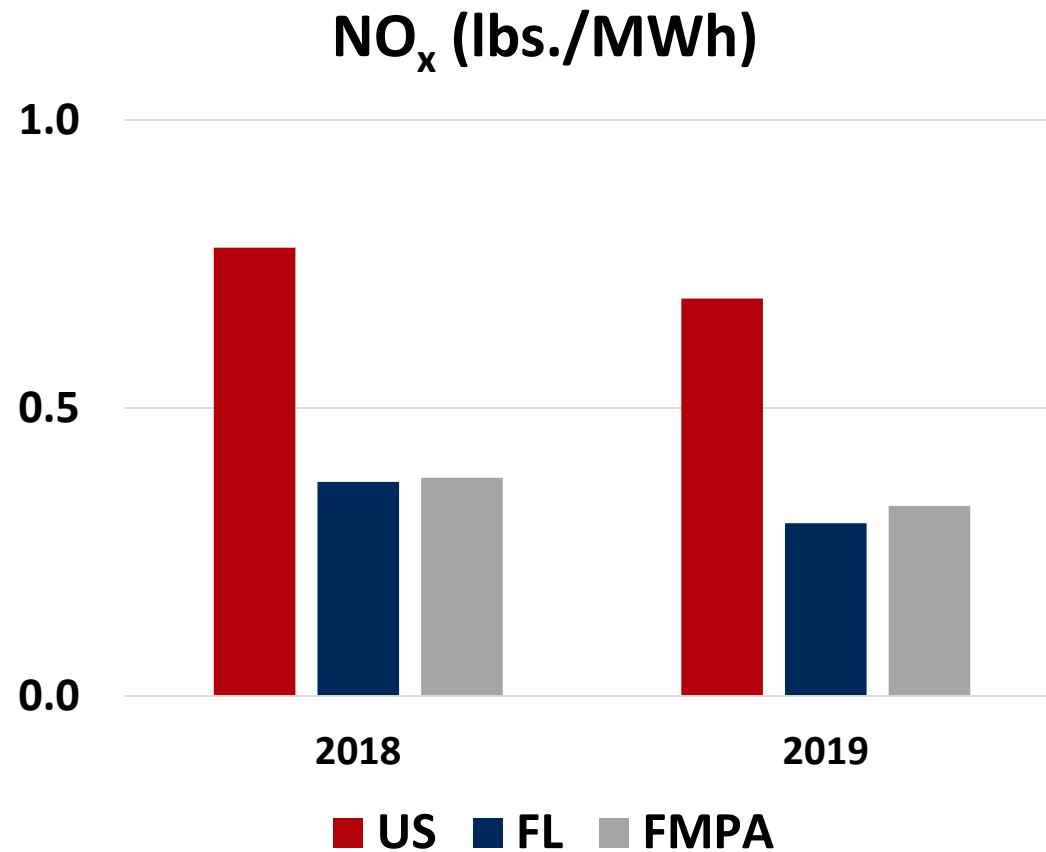


# **BOD 9d – EC 9e 2019 Emissions Update**

March 19, 2020

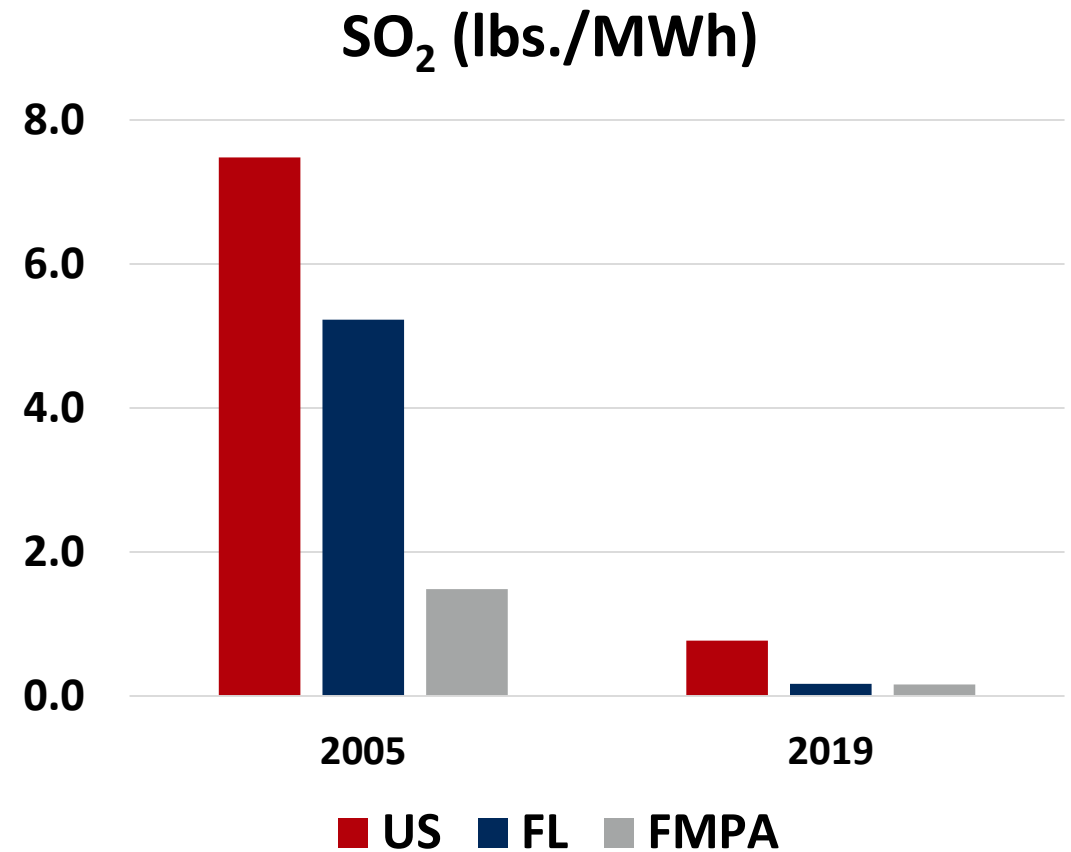
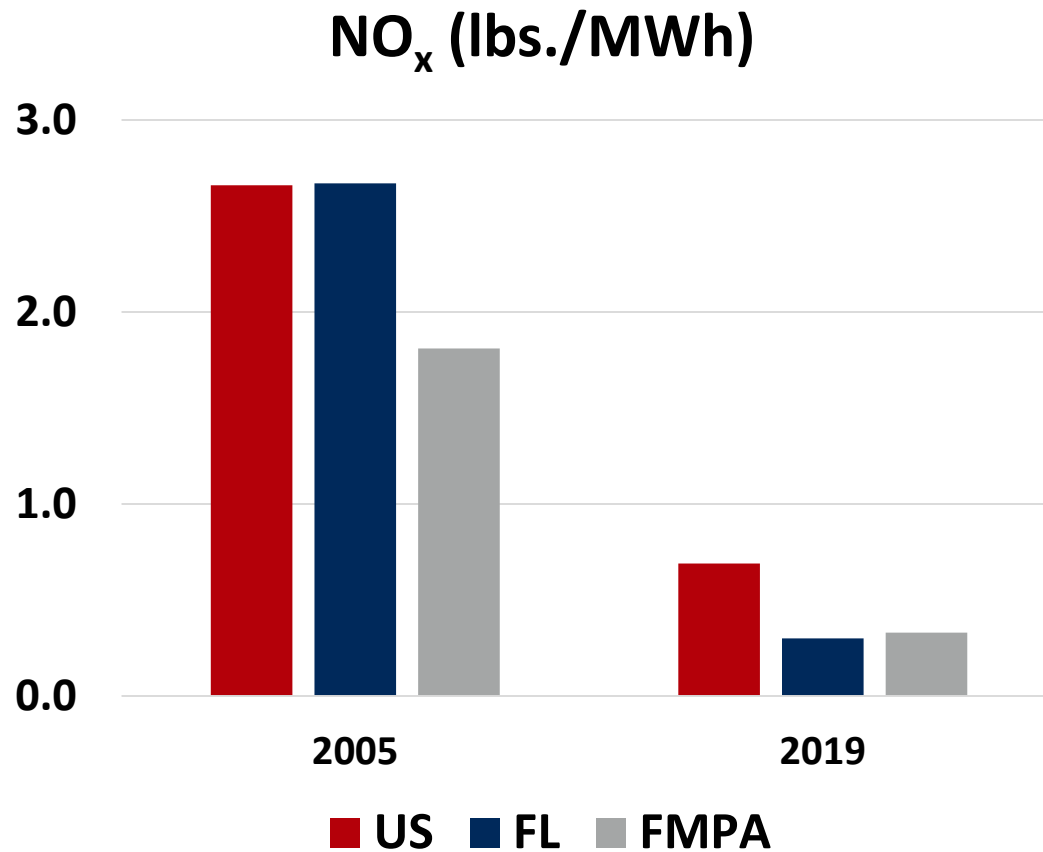
# FMPA Emissions for NO<sub>x</sub> and SO<sub>2</sub>, 50-75% Below U.S.

*FMPA NO<sub>x</sub> Down 13% (US Down 11%), FMPA SO<sub>2</sub> Unchanged (US Down 20%)*



# FMPA and FL Have Clean Generation Fleets

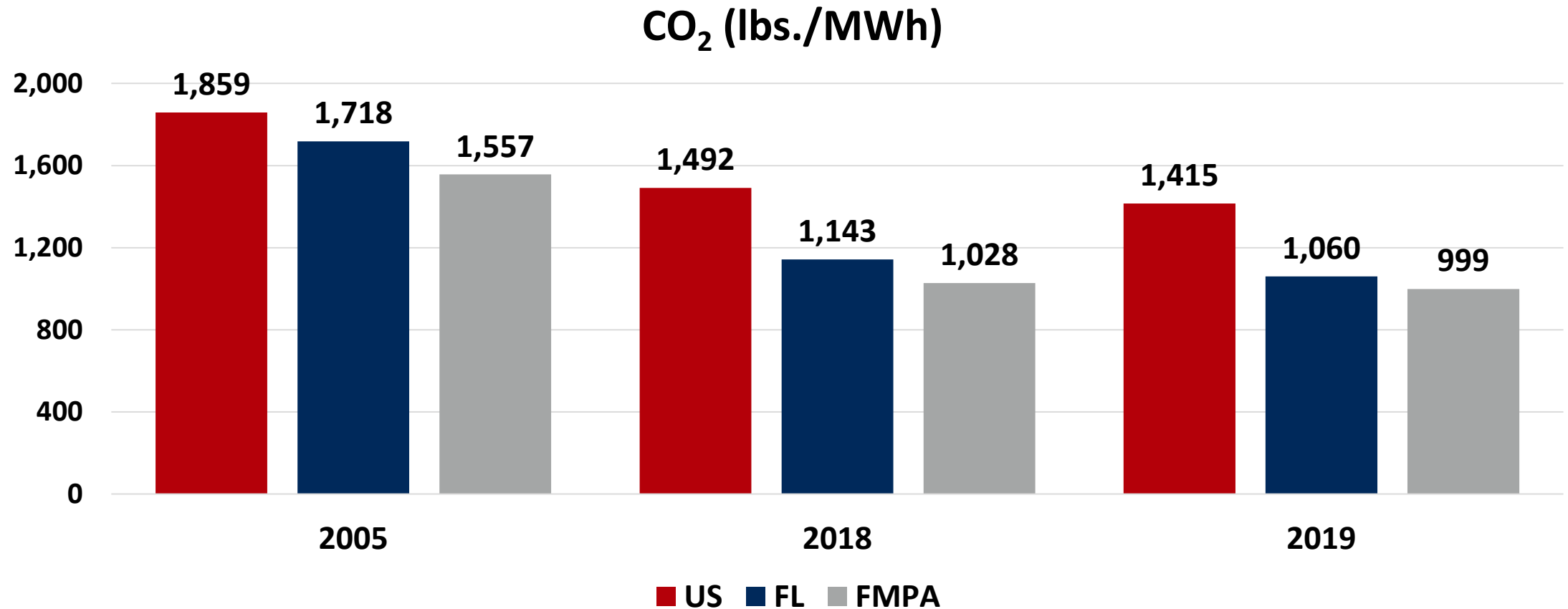
*FMPA's  $NO_x$  and  $SO_2$  Have Both Declined >80% Since 2005\**





# FMPA CO<sub>2</sub> 29% Lower than US Average

*FMPA Declined 36% Since 2005, Faster than US Rate*



# **VERBAL REPORT**

## **AGENDA ITEM 9 – INFORMATION ITEMS**

### **e. Mobile Substation Update**

**Board of Directors Meeting  
March 19, 2020**

**AGENDA ITEM 9 – INFORMATION  
ITEMS**

- f. Update on Acumatica Accounting  
Software**

**Board of Directors Meeting  
March 19, 2020**



# **9f - Update on New Accounting Software - Acumatica**

Board of Directors

March 19, 2020

# Implementation of Acumatica

*New Accounting Software, Went Live on March 2nd*

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- This is a cloud based software which offers connectivity without the requirement of a VPN
- Users have the ability to review & approve invoices from their phones
- Very user friendly & easy to navigate
- We have improved efficiencies in some areas & it will integrate with future budget and business intelligence tools
- Our Implementation team at i-tech has been very helpful and responsive through the process

**AGENDA ITEM 10 – MEMBER  
COMMENTS**

**Board of Directors Meeting  
March 19, 2020**

**AGENDA ITEM 11 – ADJOURNMENT**

**Board of Directors Meeting  
March 19, 2020**