



**EC CONSERVATION AND RENEWABLE ENERGY  
ADVISORY COMMITTEE TELEPHONIC MEETING**

**AGENDA PACKAGE**

**877-668-4493 or 650-479-3208**

**Meeting Code 731 357 033#, Password 8553#**

**April 6, 2020**

**1:30 p.m.**

**Committee Members**

Lynne Tejada, Key West – Chairwoman

Paul Jakubczak, Fort Pierce

Robert Page, Green Cove Springs

Allen Putnam, Jacksonville Beach

Larry Mattern, Kissimmee

Brad Chase, Leesburg

Tony Clayton, Ocala

**Meeting Location**

**Florida Municipal Power Agency**

**8553 Commodity Circle**

**Orlando, FL 32819**

**(407) 355-7767**



## MEMORANDUM

**TO:** FMPA Executive Committee – Conservation & Renewable Energy Advisory Committee

**FROM:** Navid Nowakhtar

**DATE:** March 30, 2020

**RE:** Conservation and Renewable Energy Advisory Committee Telephonic Meeting, **Monday, April 6, 2020 at 1:30 PM**

**PLACE:** Florida Municipal Power Agency,  
8553 Commodity Circle, Orlando, FL 32819  
1<sup>ST</sup> Floor Conference Room

**DIAL-IN INFORMATION: 877-668-4493 or 650-479-3208**  
**Access Code Access Code 731 357 033# - Password 8553#**  
**(If you have trouble connecting via phone, please call 407-355-7767)**

**EC Advisory Committee Chairwoman Lynne Tejeda, Presiding**

### AGENDA

- 1. Call to Order, Roll Call, Declaration of Quorum**
- 2. Set Agenda (By Vote)**
- 3. Action Items:**
  - a. Approval of Minutes – Meeting Held May 6, 2019
  - b. Approval of the ARP Conservation Program & Budget Options for FY 2021 (Navid Nowakhtar)
- 4. Information Items:**
  - a. Electric Vehicle Charging Stations (Navid Nowakhtar)
- 5. Member Comments**
- 6. Adjournment**

The participants in the above referenced public meeting will conduct the public meeting by telephone, via a telephone conference hookup. There will be a speaker telephone made available for any interested person to attend this public meeting and be fully informed of the discussions taking place by telephone conference hookup at FMPA's headquarters, located at 8553 Commodity Circle, Orlando, Florida 32819-9002. 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. Any interested person may contact FMPA for more information on this public meeting by calling (850) 297-2011 or (877) 297-2012 or writing to: Open Government Law Compliance Coordinator, Florida Municipal Power Agency, 2061-2 Delta Way, Post Office Box 3209, Tallahassee, Florida 32315-3209.\

**MINUTES**  
**EXECUTIVE COMMITTEE CONSERVATION AND**  
**RENEWABLE ENERGY ADVISORY COMMITTEE**  
**TELEPHONIC MEETING MINUTES**  
**MONDAY, MAY 6, 2019**  
**FLORIDA MUNICIPAL POWER AGENCY**  
**8553 COMMODITY CIRCLE, ORLANDO, FL 32819**

**CREAC MEMBERS PRESENT VIA TELEPHONE**

Paul Jakubczak, Fort Pierce (for John Tompeck)  
Bob Page, Green Cove Springs  
Lynne Tejeda, Key West  
Larry Mattern, Kissimmee  
Glenn Spurlock, Leesburg  
Tony Clayton, Ocala \*

\*arrived after roll call

**CREAC MEMBERS ABSENT**

Allen Putnam, Jacksonville Beach

**STAFF PRESENT:**

Jason Wolfe, Financial Planning, Rates and Budget Director  
Chris Gowder, Business Development and Planning Manager  
Ann Beckwith, Regulatory and Rates Specialist  
Navid Nowakhtar, Business Development and Resource Planner  
Dan O'Hagan, Assistant General Counsel and Regulatory  
Compliance Counsel (via telephone)  
Sue Utley, Exec. Asst. to the CEO/Asst. Secy. to the Board

**Item 1 - Call To Order, Roll Call, and Declaration of Quorum**

Lynne Tejeda, Key West, called the Executive Committee Conservation and Renewable Energy Advisory Committee telephonic meeting to order at 9:30 a.m. on Monday, May 6, 2019 by telephone. A speaker telephone for public attendance and participation was located in the Accounting Conference Room at Florida Municipal Power Agency, 8553 Commodity Circle, Orlando, Florida. The roll was taken and a quorum was declared with 5 voting members present out of a possible 7. Tony Clayton, Ocala, joined via telephone after roll call bringing the total members present to 6.

**Item 2 – Set Agenda (By Vote):**

**MOTION:** Larry Mattern, Kissimmee, moved to set the agenda as presented. Glenn Spurlock, Leesburg, seconded the motion. Motion carried 6-0.

**ITEM 3 – ACTION ITEMS:**

**Item 3a— Approval of Minutes – Meeting Held March 30, 2017 and March 25, 2019**

**MOTION:** Larry Mattern, Kissimmee, moved approval of the Minutes of March 30, 2017 and March 25, 2019. Bob Page, Green Cove Springs, seconded the motion. Motion carried 6-0.

**Item 3b – on the agenda as Information Item 4a – Conservation and Renewable Energy Program Policy – was moved to action items for approval.**

Chris Gowder and Ann Beckwith described the draft policy and answered questions.

**MOTION:** Glenn Spurlock, Leesburg, moved approval of and recommendation to the Executive Committee the Conservation and Renewable Energy Program Policy. Larry Mattern, Kissimmee, seconded the motion. Motion carried 6-0.

**ITEM 4 – INFORMATION ITEMS:**

- a. Conservation and Renewable Energy Program Policy (moved to action items)**
- b. Conservation Educational Materials for Schools**

Paul Jakubczak, Fort Pierce, described his experience with the Energy Education Council and their many presentations and other materials for schools. Paul said he would contact FMEA about having a speaker from the Energy Education Council present at the FMEA Annual Conference this year. He said more information could be found at [www.safeelectricity.org](http://www.safeelectricity.org).

**ITEM 5 – MEMBER COMMENTS:**

None.

There being no further business, the meeting was adjourned at 9:49 a.m.

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Approved



## **3b. Approval of Conservation Program Budget for FY '21**

Conservation & Renewable Energy  
Advisory Committee

April 6, 2020

# ARP Conservation Program

## *Allocations for Utility-Specific Programs*

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- ARP Members offer more than 20 different conservation measures & programs for customers
  - Rebates – HVAC, appliances, duct leak repair, insulation upgrade, solar hot water heater, etc.
  - Energy Audits
  - Equipment
  - Marketing Materials

# Program Activity Continues Steadily

## *Net Participants More than Doubled*

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- Through FY '19

>\$ 8.9 million  
allocated to  
members

Net participants in  
rebates, brochures  
and education  
material etc. to  
retail customers  
have more than  
doubled since  
inception

Members have  
spent 97% of all  
funds allocated  
to date

# ARP Conservation Program

## *Program Continues to Provide Value*

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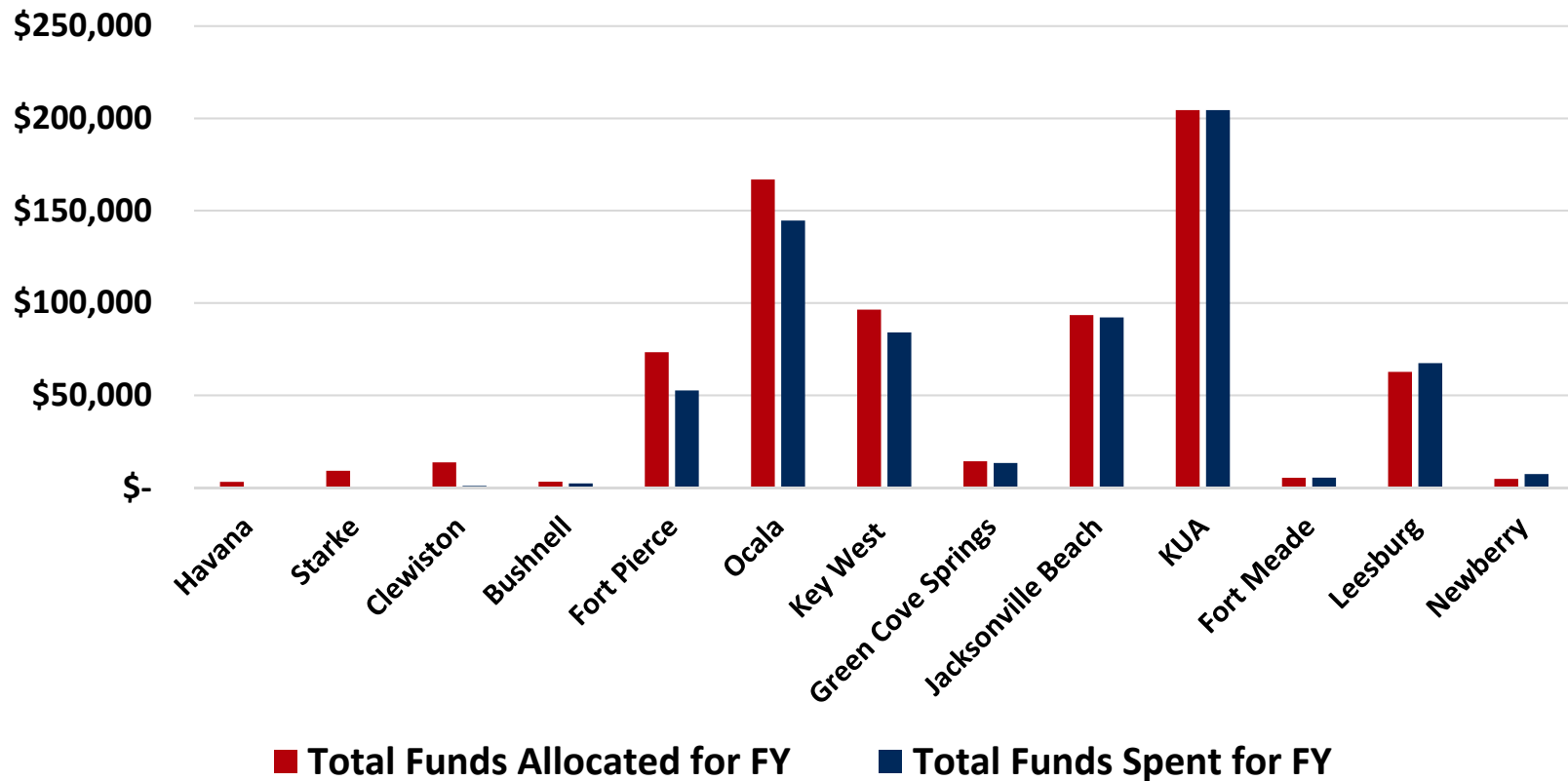
### Energy Savings and Customer Benefits

- Conservation measures can have energy saving impacts ranging from 1 year up to 30 years (depending on measure)
- Measures implemented since program inception provided the ARP an estimated energy savings of 26,122 MWh in FY 2019
  - Savings to continue through the useful life of the measures
- Measures purchased & implemented in FY 2019 have the potential to save 41,723 MWh over the useful life of the measures
  - When considering total spent on these measures in FY 2019, each MWh of energy savings “cost” \$16.69
- Supports retail customer efficiency, utility customer service, and public relations efforts



# 90% of Total FY '19 Funds Were Spent

## ARP Conservation Program - FY '19 Allocation vs Spending



## Conservation Account Balances (10/1/19)

Member	Rollover Funds Available (9/30/19)	Funds Allocated for FY '20	Total Available as of 10/1/19
Bushnell	\$ 907	\$ 3,212	\$ 4,119
Clewiston	\$ 55,413	\$ 13,264	\$ 68,677
Fort Meade	\$ 73	\$ 5,389	\$ 5,462
Fort Pierce	\$ 56,649	\$ 71,961	\$ 128,610
Green Cove Springs	\$ 24,492	\$ 14,410	\$ 38,902
Havana	\$ 24,873	\$ 3,170	\$ 28,043
Jacksonville Beach	\$ 1,280	\$ 93,148	\$ 94,428
KUA	\$ -	\$ 206,412	\$ 206,412
Key West	\$ 12,365	\$ 94,522	\$ 106,887
Leesburg	\$ 14,241	\$ 63,524	\$ 77,765
Newberry	\$ 6,014	\$ 4,894	\$ 10,908
Ocala	\$ 35,519	\$ 167,137	\$ 202,656
Starke	\$ 27,444	\$ 8,956	\$ 36,400
<b>TOTAL</b>	<b>\$ 259,270</b>	<b>\$ 750,000</b>	<b>\$ 1,009,269</b>

# ARP Conservation Program

## *Funding Levels Since Inception*

Fiscal Year	Funding Level	Estimated Rate Impact (\$/MWh)
FY '09 <sup>1</sup>	\$1,000,000	\$0.15
FY '10	\$525,000	\$0.09
FY '11	\$750,000	\$0.12
FY '12	\$750,000	\$0.12
FY '13	\$750,000	\$0.12
FY '14	\$750,000	\$0.12
FY '15	\$700,000	\$0.12
FY '16 <sup>2</sup>	\$700,000	\$0.12
FY '17	\$700,000	\$0.12
FY '18	\$750,000	\$0.13
FY '19	\$750,000	\$0.12
FY '20	\$750,000	\$0.12

<sup>1</sup> FY '09 included \$100k for conservation videos and program admin

<sup>2</sup> FY '16 included \$50k for updating conservation videos



## Allocation Options & Estimated Rate Impact for FY '21

Member	\$650,000	\$700,000	\$750,000	Current FY '20 (\$750,000) for reference
Bushnell	\$2,738	\$2,949	\$ 3,159	\$ 3,212
Clewiston	\$11,500	\$12,385	\$ 13,269	\$ 13,264
Fort Meade	\$4,718	\$5,080	\$ 5,443	\$ 5,389
Fort Pierce	\$61,769	\$66,521	\$ 71,272	\$ 71,961
Green Cove Springs	\$12,279	\$13,224	\$ 14,168	\$ 14,410
Havana	\$2,739	\$2,950	\$ 3,161	\$ 3,170
Jacksonville Beach	\$79,165	\$85,254	\$ 91,344	\$ 93,148
KUA	\$179,723	\$193,548	\$ 207,373	\$ 206,412
Key West	\$84,055	\$90,520	\$ 96,986	\$ 94,522
Leesburg	\$54,474	\$58,664	\$ 62,854	\$ 63,524
Newberry	\$4,336	\$4,670	\$ 5,004	\$ 4,894
Ocala	\$144,912	\$156,060	\$ 167,207	\$ 167,137
Starke	\$7,591	\$8,175	\$ 8,759	\$ 8,956
<b>Est. Rate Impact (\$/MWh)</b>	\$0.11	\$0.11	\$0.12	\$0.12

# Recommended Motion

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- Move approval and recommend to the Executive Committee funding the ARP Conservation Program at \$750,000 for Fiscal Year '21. The program will be funded out of revenues collected through the ARP Energy Rate at an approximate rate impact of \$0.12/MWh.



## **4a - Electric Vehicle Charging Stations**

CREAC - April 6, 2020

# The Story in Brief

## *Home EV Charging Station Incentives May be Valuable*

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- A key aspect of the EV adoption decision continues to be the time involved in getting to a full charge
  - Separate and distinct issue from overall range when charged, which has been improving for most higher-end products
- While a standard outlet can charge an EV (Level 1), it takes a very long time to obtain sufficient charge
- Incentivizing Level 2 home charging may be a way to increase uptake among retail customers
  - Some may lease their EV and be on the fence on \$\$ to upgrade home charger

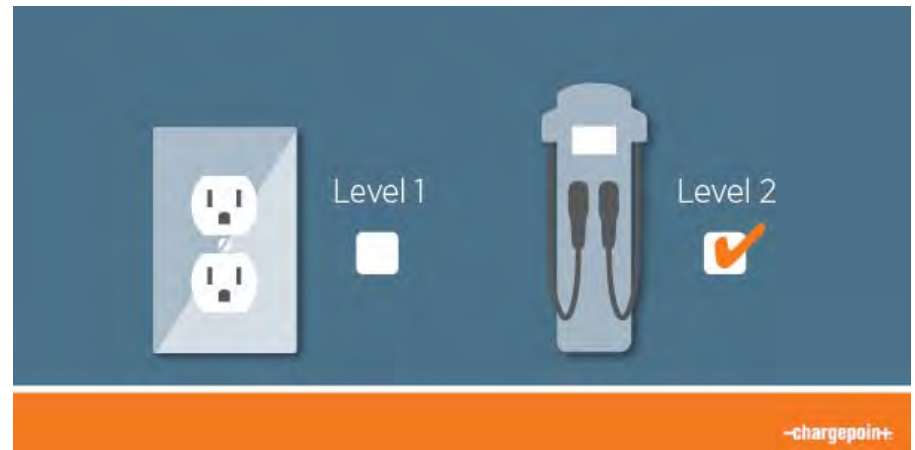
# Level 2 Provides Significantly More Flexibility

## *Much Shorter Time to 100 Mile Charge\**

Attribute	Level 1	Level 2
Electric Specs	120V, 20 AMP, 1.4 kW	208-240V, 40 Amp, 6.2 – 7.6 kW
Time to 100 miles	17-25 hours	4-5 hours

\*Source:

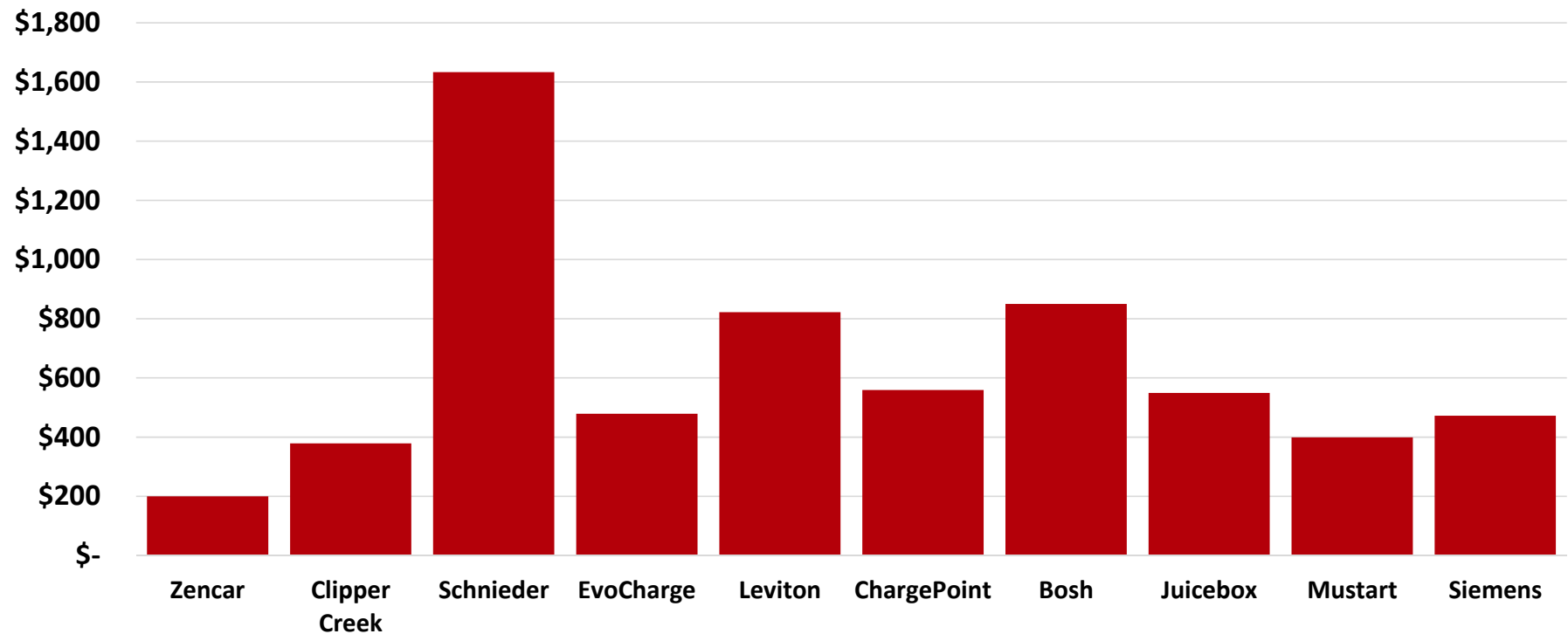
<https://www.chargepoint.com/blog/level-your-ev-charging-knowledge/>





# Level 2 Charger Costs Can Vary Widely\*

*Range from ~\$200 to \$1,600, Contractor Labor/Permit Extra*



[\\*https://wiki.ezvid.com/best-level-2-ev-chargers?id=adw&gclid=EAlaIqobChMIxZ2Wm5qu6AIVBYiGCh34KQJyEAAAYASAAEgJHSPD\\_BwE](https://wiki.ezvid.com/best-level-2-ev-chargers?id=adw&gclid=EAlaIqobChMIxZ2Wm5qu6AIVBYiGCh34KQJyEAAAYASAAEgJHSPD_BwE)

# Key Questions for Consideration

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- Should the Conservation Program include an allocation dedicated to EV charging incentives?
  - Should there be a separate coordinated effort or allocation as a separate program?
- What level of incentive would make sense?
- Is the CREAC interested in such a prescriptive program in future years?
  - Differs from current approach in terms of sequestering an allocation
- Do Members see sufficient interest in their communities?