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FLORIDA’S EVMP

Provide Short- and Long-Range Travel Charging

Encourage Expanded EV Use Statewide

Serve Florida Evacuation Routes

Key Partners:
KEY TASKS

GIS: Gap Analysis & Potential Stations

Electric Grid Impacts & Providers

Policy Outreach & Education

Projections & Revenue Strategies
Current Adoption

0.41% as of July 2020
IDENTIFYING NEW DCFC SITES
(Direct Current Fast Charging)

GAP ANALYSIS CONSIDERS:

- Prioritize gaps for long-range and evacuation travel
- Identifies general areas
- Build out EVSE network over time

NEW SITES

- Potential New DCFC Station Locations
- Existing Publicly Accessible DCFC Station Locations

State Highway System

- Interstate
- Minor Arterial
- Expressway
- Collectors
- Principal Arterial

Data Source: U.S. DOE Alternative Fuels Data Center (July 2020); Florida Department of Transportation (August 2020)
Date of Production: 10/27/2020
REGULATORY CONSIDERATIONS

Demand charges, especially for low-utilization sites, are one of the largest challenges for EVSE Service Providers (i.e., operators of charging stations).

**ENERGY** + **DEMAND** = **COST**

Utility-owned EVSE (i.e. chargers)
Methodology for utility participation
Rate Setting

Make-Ready Utility Investment
Third-Party Profit-sharing Public Investment
Utility Owner-Operator
EVSE Rebate

$/kWh
Year 2040 Impacts:
Conservative Scenario: -5.6%
Moderate Scenario: -11.1%
Aggressive Scenario: -20.0%

*Includes all revenue streams
IMPLEMENTATION
EVMP FRAMEWORK INITIATIVES

- Lead
- Build
- Educate
- Coordinate
- Fund

START E-MOBILITY
EQUITY IN THE EVMP

The EVMP incorporates equity into each aspect of recommended policies, targets, and action items to achieve the overarching goals of the EVMP. Equity, as defined for the EVMP, prioritizes fair and equal access, and incorporates criteria for mitigating potential social or economic status barriers to electric vehicles and charging stations.

EVMP strategies supporting Equity will be highlighted throughout the Implementation Plan.

supports Equity
Encourage Individual EV Adoption
Encourage Private Fleet EV Adoption
Encourage Public Sector EV Adoption

*For this discussion, individual refers to consumer, private refers to private industry, and public refers to government.
LEAD ACTION ITEMS

**Encourage Individual EV Adoption**
- Establish EV adoption targets
- EV purchase instant rebate
- EV purchase rebate for used vehicles

**Encourage Private Fleet EV Adoption**
- Rental fleet incentive package

**Encourage Public Sector EV Adoption**
- State fleet EV purchase mandate
- Municipal and transit EV fleet mandate
- EV fleet funding program

Mobile Poll! Go to Menti.com
FLORIDA WILL SUPPORT THE TRANSITION OF ELECTRIFIED MOBILITY THROUGH THE INVESTMENT IN THE NEXT GENERATION OF INFRASTRUCTURE NEEDED TO SUPPORT ELECTRIC MODES

Promote EVSE Infrastructure for Long-Distance Corridors and Evacuation

Promote the Installation of Community Charging Infrastructure

Phased Approach for Plan Implementation
**Promote EVSE Infrastructure for Long-Distance Corridors and Evacuation**
- Create an EVSE competitive grant program
- Create a state-run program to facilitate EV charging infrastructure in strategic areas
- Monitor Federal Rest Area Regulations
- Install EVSE at welcome centers
- Develop and deploy a mobile charging program to support evacuations
- Promote emergency EVSE accessibility
- Allow EVSE signage
- Require Open-Source Data
- Promote rental agency evacuation partnerships
- Include charging station locations on 511 app

**Promote Installation of Community Charging Infrastructure**

**Develop an innovative and ongoing funding program**

**EV/EVSE Planning Program**

**Phasing Approach for Plan Implementation**

Implement a phasing and prioritization program

**Mobile Poll!**
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FLORIDA WILL GENERATE, COLLECT, AND DISTRIBUTE THE INFORMATION AND KNOWLEDGE NEEDED TO SUPPORT THE STATE’S ELECTRIFICATION GOALS.

Support EV-Focused Education and Outreach

Support Local Jurisdictions and Agencies in their EV & EVSE-Focused Efforts
**EDUCATE**

**ACTION ITEMS**

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**Support EV-Focused Education and Outreach**

- Develop and launch a consumer-oriented education and outreach program
- Develop a fleet and charging-site oriented education, outreach, and planning program
- Develop and launch a dealership and service-oriented education and outreach program
- Workforce development

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**Support Local Jurisdictions and Agencies in their EV & EVSE-Focused Efforts**

- Practical Guidance
- Develop LRTP Guidance
- Develop model building and zoning codes
- Multifamily EVSE
- Require fast-tracked and streamlined EVSE permitting
- EVSE minimum functionality standards
- Mandate minimum EV-ready parking requirements

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FLORIDA WILL ENGAGE WITH THE STATES, STAKEHOLDERS, AGENCIES, AND COMMUNITIES TO **COORDINATE ELECTRIFICATION EFFORTS** AT A VARIETY OF SCALES.

- **Lead the Region to Advance a Comprehensive Approach**
- **Regular Stakeholder Coordination for Implementation**
- **Establish State Agency Roles and Responsibilities**
- **Coordinate Utility Roles and Rates to Support the Goals**
COORDINATE ACTION ITEMS

Lead the Region to Advance a Comprehensive Approach
• Interstate Coordination
• Southeast MOU
• ZEV MOU
• NESCAUM MD/HD MOU

Regular Stakeholder Coordination for Implementation
• Florida EV stakeholder group

Establish State Agency Roles and Responsibilities
• Program Charter
• Planning Continuum

Coordinate Utility Roles and Rates to Support the Goals
• Grid benefits and Impacts

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FLORIDA WILL PROACTIVELY PLAN FOR **NEW REVENUE STREAMS** AND SUPPORT ADDITIONAL INVESTMENT IN INFRASTRUCTURE TO SUPPORT EVS.

Identify and Pursue a Variety of Funding Options to Support EVSE Implementation

Mitigate Revenue Impacts
FUND ACTION ITEMS

Mitigate revenue impacts
• Adopt an EV registration fee supplement
• Pilot an EV RUC program
• Explore utility-based fee structure
• Become involved at the national level

Identify and pursue a variety of funding options to support EVSE implementation
• Continuously monitor Federal funding programs

Mobile Poll! Go to Menti.com
NEXT STEPS
FOR FLORIDA'S EVMP

- Finalize Plan
- Public Comments
- Submit to Governor

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• REVIEW THE ELECTRIC VEHICLE MASTER PLAN: WWW.FDOT.GOV/PLANNING/FTO/EV/DEFAULT.

• SUBMIT COMMENTS IN THE EVMP COMMENT FORM.
Thank you for your interest in the Draft Electric Vehicle Master Plan. You may use this form to submit up to 10 comments about specific content sections, or you may upload your comment file. If you have additional comments, please feel free to complete and submit this form additional times.

* Required fields are indicated with a red asterisk

Your Contact Information

Name
First Name: ___________ Last Name: ___________

Email *: ___________

Organization: ___________

Your Comment

Select the relevant EVMP section *: Please Select
Questions / Discussion / Thank You
FDOT.EVMP@dot.state.fl.us