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FDACS Office of Energy & Central Florida Clean Cities Coalition

Florida EV Roadmap Reports Review & Public Comment Webinar

October 23, 2020

Website: <https://www.fdacs.gov/Energy/Florida-Electric-Vehicle-Roadmap>



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Agenda

1. Introductions
2. Project Process
3. Review EV Infrastructure Report
4. Review EV Evacuation Report
5. Review EV Deployment Report
6. Stakeholder's Final Q & A
7. Adjourn

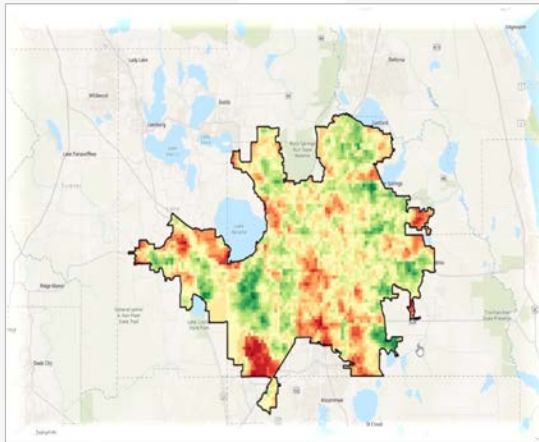


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Roadmap Objectives

1. Gather Information & Catalogue
2. Develop EV Infrastructure Models
3. Focus on Evacuation Routes
4. Infrastructure Growth Recommendations
5. Infrastructure Deployment 2020-2023
6. Infrastructure Forecast 2024-2026
7. Final Report





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Roadmap - Collaborate & Contribute

1. Diverse Set of Collaborators
2. Clean Cities, State Agencies, Infrastructure Developers, Power Providers, Universities, Stakeholders, Others
3. Collaboration Webinars, May and June
4. Ongoing Individual Collaboration, April-September



Stakeholder Interest Group Webinar Schedule

- Over 500 Stakeholders Attended
- 15 Industry Representatives Attended as Facilitators
- 5/28 EV Roadmap Kick-off Webinar
- 5/12 Power Interests – IOU, Coop, Muni, Supporting Associations
- 5/19 Infrastructure Providers – Manufacturers, Installation, Network, Software
- 5/21 Advocacy – Alternative Fuels, Environmental, Advocacy Organizations
- 6/9 State Agencies – Energy, Transportation, Emergency Management
- 6/16 Planning – MPO, TPO, Cities, Counties, State, Regional, National



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Considerations

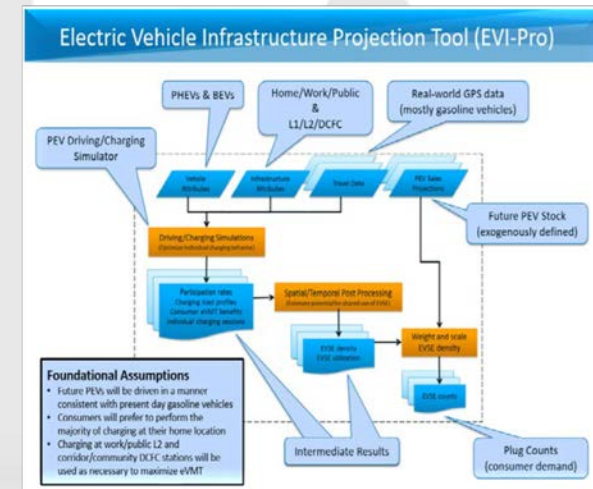
1. Increase in battery efficiency, resulting in 400+ mile range
2. Increase in EVSE output of 600kW+
3. Requirements for thermal management of higher EVSE outputs
4. Increased grid demands at EVSE locations
5. Broad introduction of EV passenger shuttles, taxis, and Transportation Network Companies (TNCs)
6. Initial deployment of autonomous vehicles
7. Inductive charging
8. Networking and internetworking of EVSE
9. Siting and upgrade capabilities
10. Uptime, Resiliency, Backup Power
11. Obsolescence and upgrade of EVSE
12. Social equity and underserved communities
13. Outreach, education, and training
14. Energy consumption
15. Environmental
16. Site Safety
17. Zoning, building codes, and permitting
18. Signage

EV Infrastructure & Models Report

Released 6/30/2020

Comments Provided:

- Electrify America
- Tesla
- EVgo
- ChargePoint
- Underwriter's Laboratory
- Advanced Energy Economy





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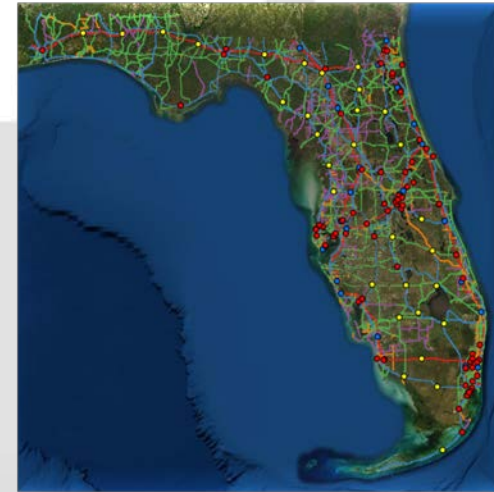


Emergency Evacuation Report

Released 9/24/2020

Comments Provided:

- Orlando Utilities Commission





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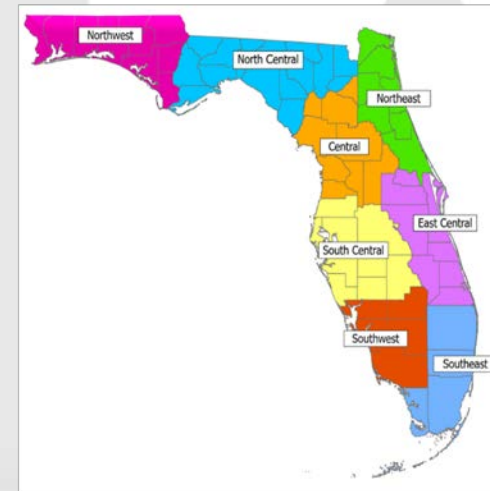


EV Infrastructure Deployment Recommendations

Released 10/7/2020

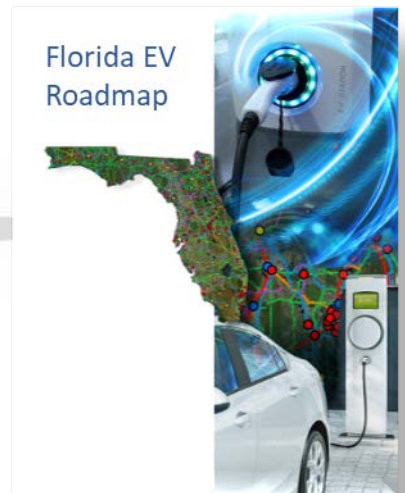
Comments Provided:

- None prior to this webinar





Questions & Comments?





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