

Electrification of Transportation in Puerto Rico

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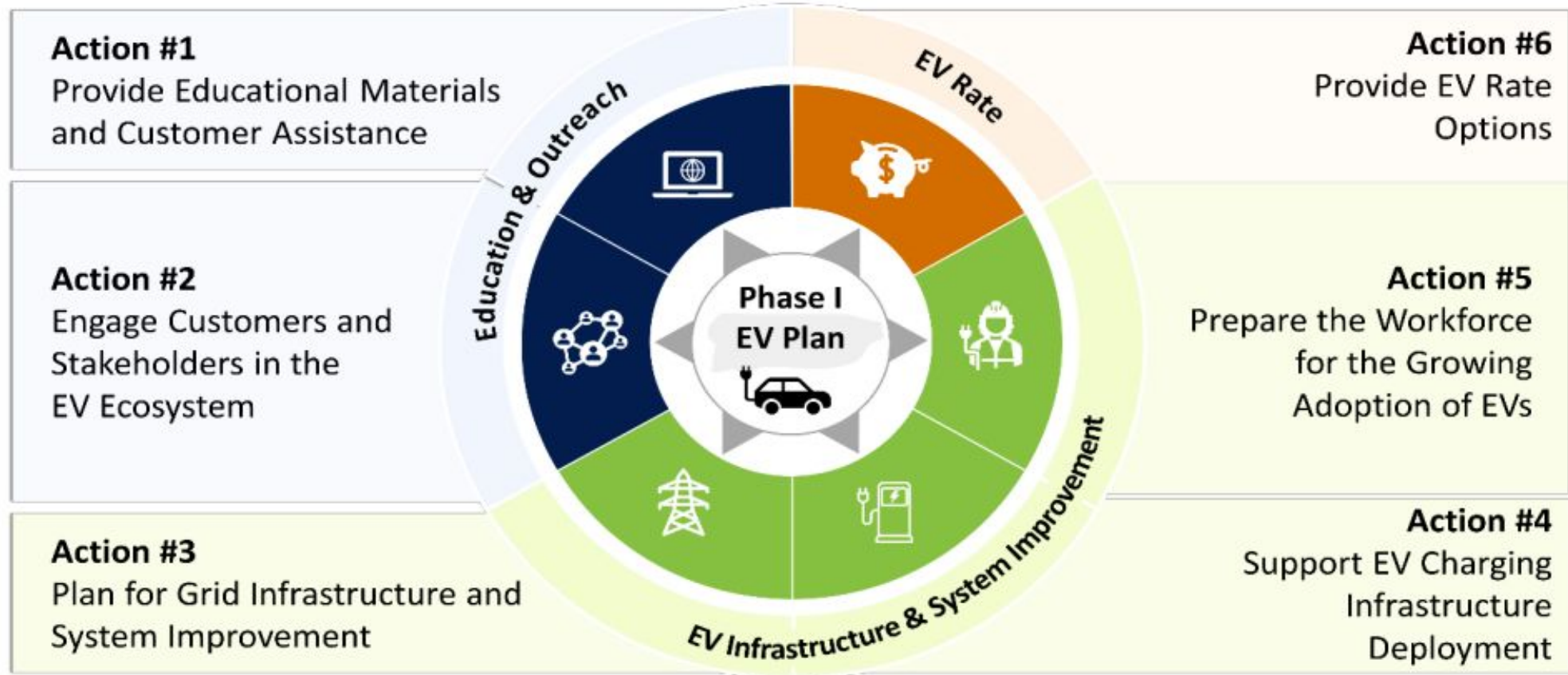
- Role of the Puerto Rico Energy Bureau

- IRP
 - 2020 IRP did not consider EV load
 - Next IRP Cycle starts Q1-2024

- Electric Vehicle Charging Infrastructure Deployment (NEPR-MI-2021-0013)
 - Workshops
 - Guiding Principles
 - Phase I Electric Vehicle Plan
 - Customer Education and Outreach
 - Infrastructure & System Improvements
 - Interim TOU EV Rate



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Source: Draft Phase I Electric Vehicle Plan, p.6 (September 2,2022)

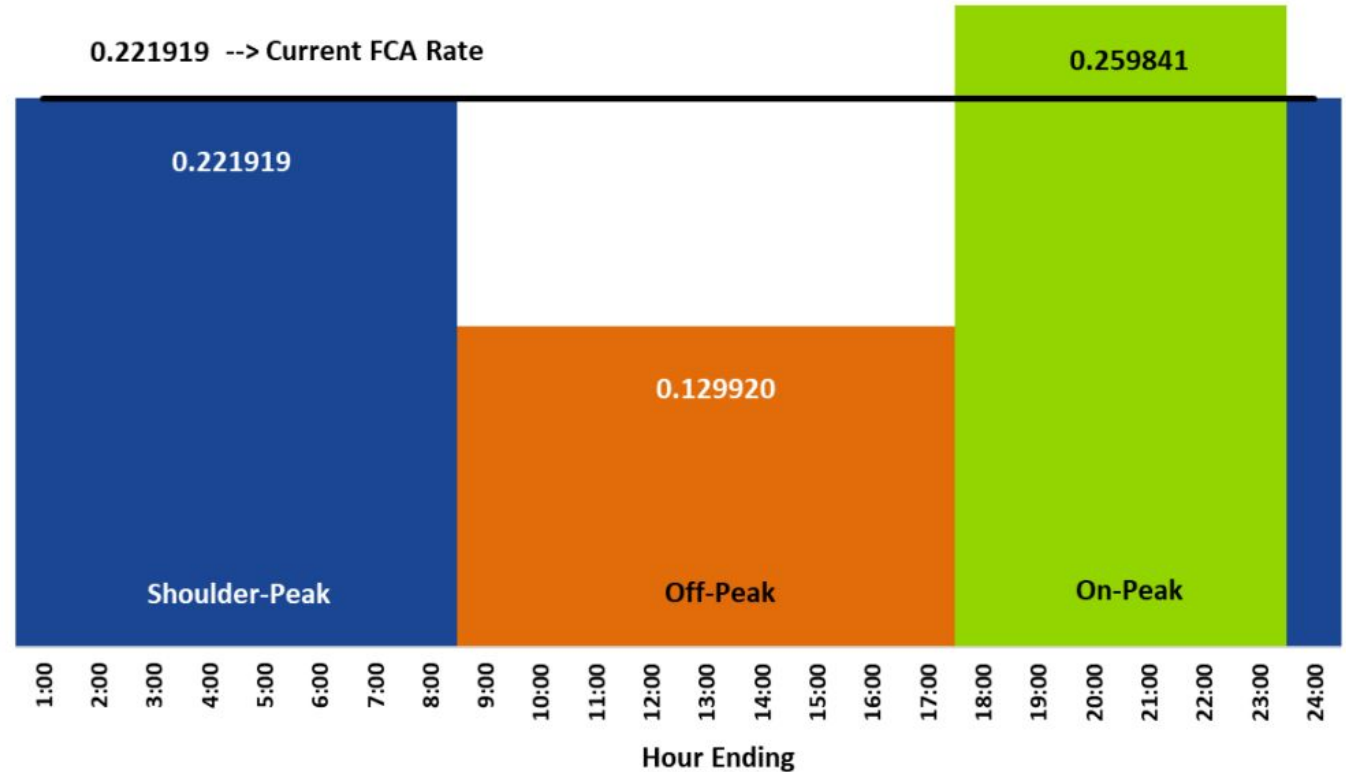
- Final version of plan due by April 30, 2023
- Interim Residential EV TOU Rate to be in effect by September 30, 2023



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Interim Residential TOU EV Rate

TOU Period	Time Period
On-peak	5PM – 11PM
Shoulder-peak	11PM – 9AM
Off-peak	9AM – 5PM



Source: Revised Draft Electric Vehicle Rate Design Proposal, p.4 (July 21,2022)





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Critical Challenges:

- Future Load Forecasts
- Advanced Metering Infrastructure (AMI)
- Distribution System Constraints
- Controllability and Communications