



# ***INNOVATION TECHNOLOGY COMMITTEE***

*PRESENTED BY:*

**Richard G. Medina**

Vice President, Grid Transformation & Engineering

October 29, 2019

# AGENDA



- **EV PROGRAM STRATEGY**
- **EV CHARGING INFRASTRUCTURE**
- **PRODUCT OFFERINGS**

# EV PROGRAM STRATEGY



*Enable the electrification of transportation in our community by delivering customer options that allow us to optimize our infrastructure while delivering a meaningful customer experience*



## Expand

customer value to increase EV utilization & adoption



## Understand

customer needs through analytics and focus groups to eliminate barriers



## Engage

with customers to create valuable rates & incentives to reduce grid impacts



## Collaborate

& partner with industry, customers and other utilities



## Facilitate

the development of EV infrastructure into our community



### Product Offerings

Create customer centric offerings that increase value for customers and encourage off-peak charging with benefits to customer, community and our grid.



### Operations & Infrastructure

Provide infrastructure solutions to support customer initiatives, facilitate EV adoption and minimize impacts to the electrical grid.



### Education & Marketing

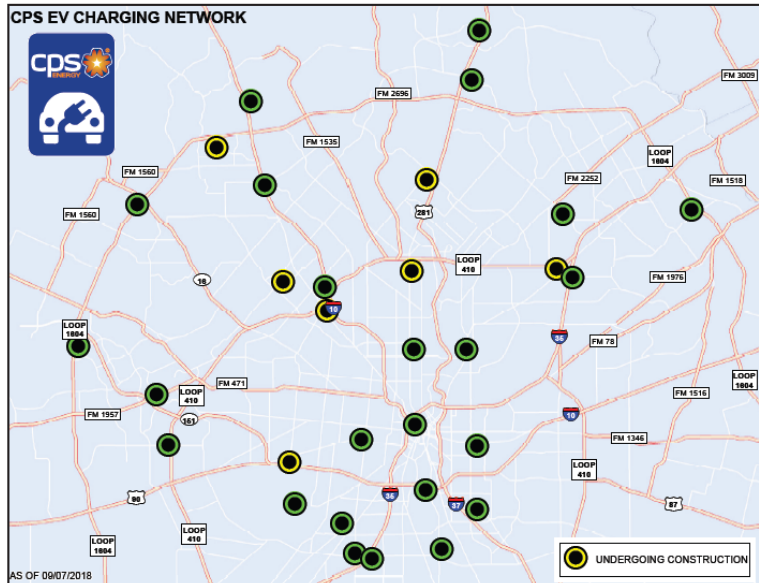
Drive adoption of EV's by educating employees, consumers, businesses and partners.

# CHARGING INFRASTRUCTURE



## CPS Energy ChargePoint® Network

Searchable map online at [cpsenergy.com/ev](https://cpsenergy.com/ev)



150 charging ports  
at more than 30 locations

**HEB Grocery Stores:**  
De Zavala & IH-10W, Central Market, Marbach & Loop 410, Olmos, Zarzamora

**Santikos Movie Theaters:**  
Palladium IMAX, Embassy 14, Northwest 14, Silverado 16, Rialto, Mayan Palace 14

**University of Texas at San Antonio:**  
1604 Campus, Bauerle Garage & Ximenes Garage, Downtown Garage

**Alamo Community College District:**  
St. Phillips College, Northwest Vista College, Northeast Lakeview College

**University Health System:**  
University Hospital Staff and Visitor Garages  
North - University Family Health Center  
Southwest - University Family Health Center  
Southeast - University Family Health Center  
Texas Diabetes Institute, Robert B Green Campus

**Wonderland of the America's (Cross Roads) Mall:**  
Near Steinmart along Fredricksburg Rd  
Near Burkes Outlet along Loop 410 Access Road  
Behind Target

**City, Government and Public Entities:**  
Main Library (Soledad St.) & Thousand Oaks Library  
Marina Public Garage, Houston St. Public Garage,  
St. Mary's Public Garage  
Bexar County Tax Main Office -Downtown  
Bexar County Juvenile Detention Center  
Via Park and Ride Center at Stone Oak  
Port San Antonio Kelly Center - Billy Mitchell Rd  
Port SA Kelly - Pearson Ave  
San Antonio Missions Historic Park

**Workplace:**  
AVNET, Rackspace

- 240 Charging ports Stations in San Antonio
- 150 Level 2 charging ports at 30 location owned by CPS Energy
  - Network upgrades are 60% complete
- 1<sup>st</sup> EV Fast Charging Station opened in April owned by Electrify America

# PRODUCT OFFERINGS



	Residential Pilots				Commercial Pilots		
Pilot Programs	Managed Charging	Peak Time Rebate	Whole-Home TOU	EV-Only TOU	CPS Energy Level 2 Network	Small-Medium Charging	DC Fast Charging
Program Description	One-time equipment rebate; monthly participation credit	One-time rebate; monthly participation credit	Monthly potential savings	Monthly potential savings	Yearly flat rate program; Pay as you go charging by hour	Program under development For < 100 kW chargers	Pilot DCFC Rate For >100 kW charger plazas
Objectives	Shift EV charging load from on-peak to off-peak				TOU on all charging services to manage load. Programs to enable 3 <sup>rd</sup> party services.		
Customer Benefits	Rebates on charging equipment Behavior based savings				Access to expanded charging network.		