

# Public Electric Vehicle Charging RFP

Mayor's Office of Sustainability & Climate Justice



**CITY OF CLEVELAND**  
Mayor Justin M. Bibb

# Why?

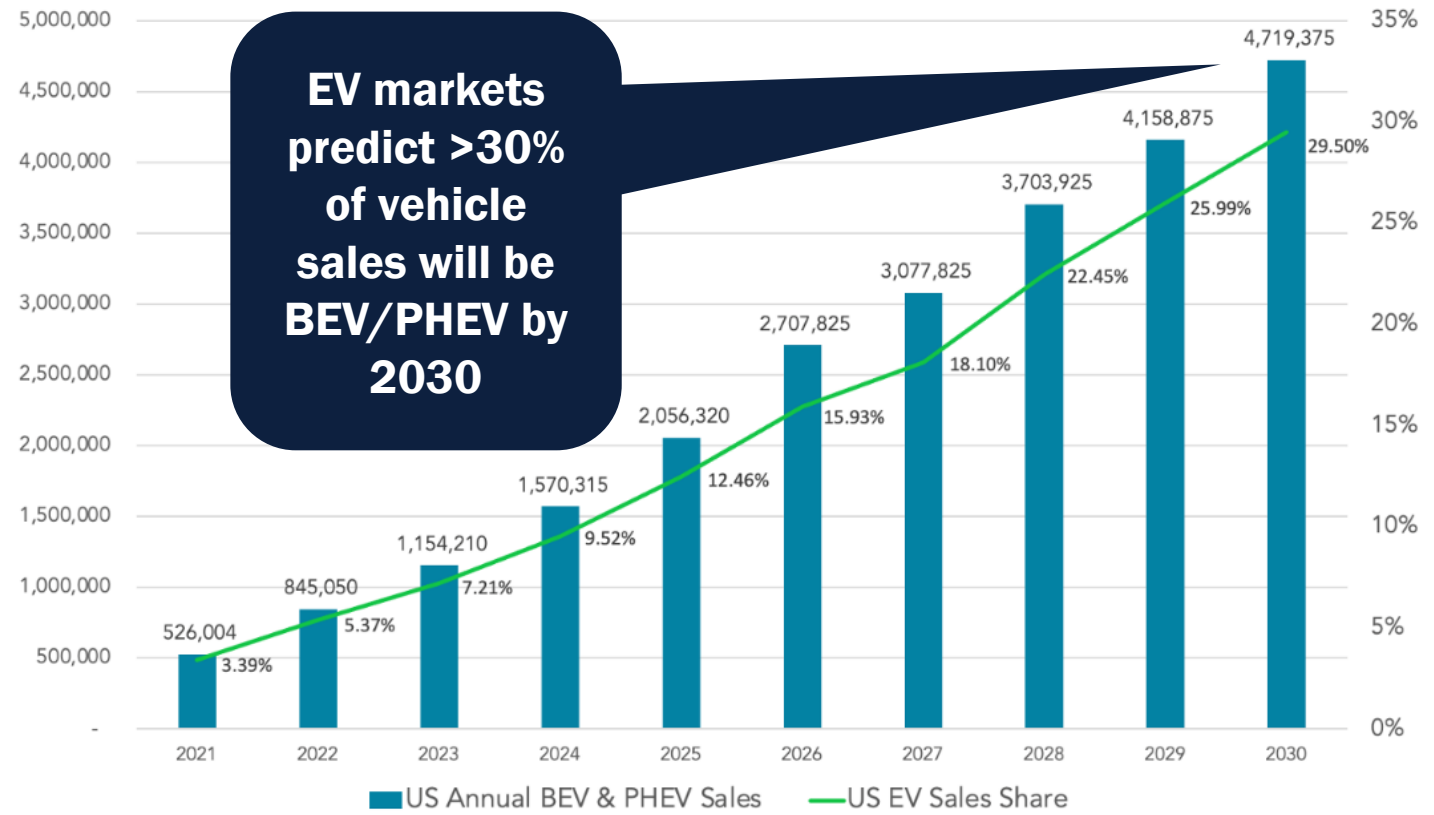
Planning for EV Market Growth in Cleveland

Air quality benefits

Noise pollution reduction benefits

Carbon emissions goals

## US EVs (BEV & PHEV) Sales & Sales Share Forecast: 2021-2030



Historical Sales Data: GoodCarBadCar.net, InsideEVs, IHS Markit / Auto Manufacturers Alliance, Advanced Technology Sales Dashboard | Research & Chart: Loren McDonald/EVAdoption

# Transportation Emissions & CAP Commitments

## Citywide emission reduction commitments:

- 16% from 2010 to 2020
- 40% from 2010 to 2030
- 80% from 2010 to 2050

On road transportation makes up  
**15%** of total emissions

Passenger vehicles account for **80%**  
of on road transportation emissions



# Project Goals

## Public EV Charging RFP

- 1** Provide EV charging services to residents & visitors at no cost to the City
- 2** Encourage citywide adoption of EVs by providing supporting infrastructure
- 3** Encourage EV owners to spend time (and money!) in Cleveland neighborhoods
- 4** Decrease air pollution, noise pollution, and greenhouse gas emissions

# RFP Overview – Vendor Scope of Services

## Planning

- Charging station siting plan in coordination with City departments
- Grant/external funding support
- Engineering & design
- Utility coordination

## Implementation

- Equipment procurement
- Installation, including electrical upgrades
- Wayfinding & signage

## Operation

- 24/7 access, with min. 97% uptime
- Networked, identified on EV resource sites
- Usage data shared with City
- Revenue sharing with City

# RFP Overview – City Scope of Services

## Planning

- Coordination, input, approval of siting plan
- Serve as grant applicant as needed
- Streamlined coordination with CPP

## Implementation

- Exclusive ROW access & lease agreements for selected vendor
- Wayfinding & signage guidance

## Operation

- (Vendor operates system)
- Revenue share of fees collected by vendor

# VOLTA

in partnership with Kimley-Horn & Powerhouse



- Direct experience with charging in high traffic, public right of way locations
- Charging subsidized by ad revenue
- Specialized engineering & construction expertise via Kimley-Horn and Powerhouse
- Extensive in-house planning/station siting tool
- Financial backing from Shell



# Proposal Highlights

Volta Charging

- ➔ Free L2/Low Cost DCFC Charging
- ➔ Proposed sites include on-street parking locations in Disadvantaged Communities and on Alt. Fuel Corridors. Siting plan to be finalized in coordination with City.
- ➔ 18 Level 2, 6 DCFC Chargers proposed
- ➔ Monthly rent paid to City (amount to be specified in contract)



# Project Timeline

