









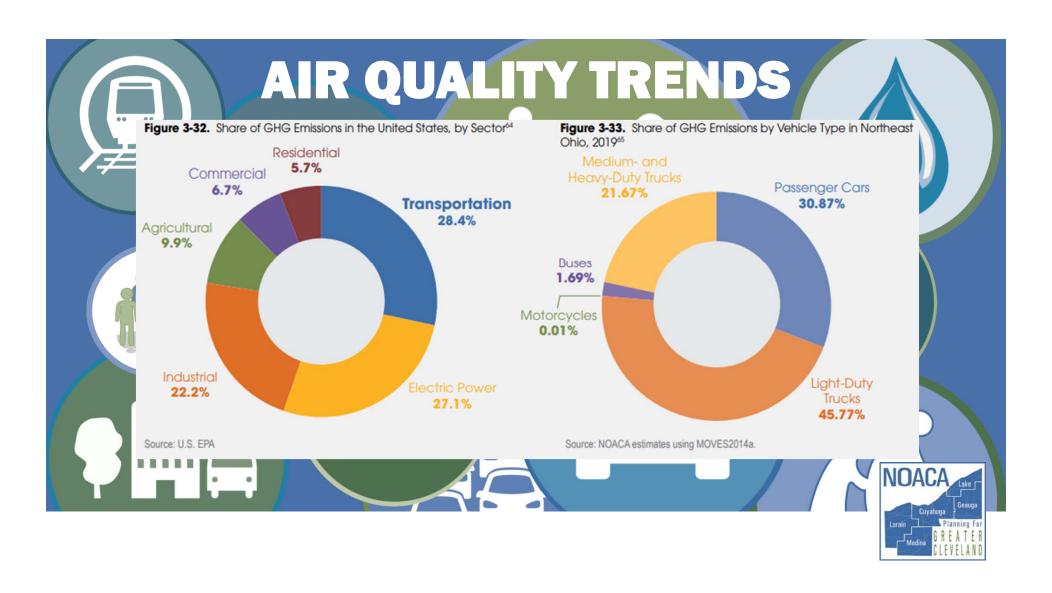


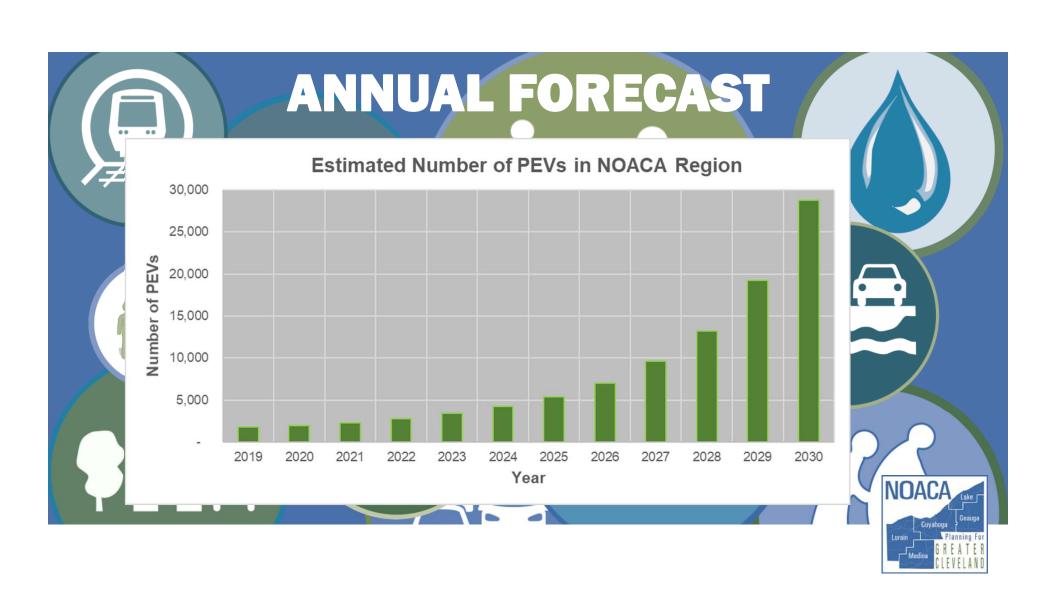
Operational Planning & Infrastructure Committee January 11, 2022

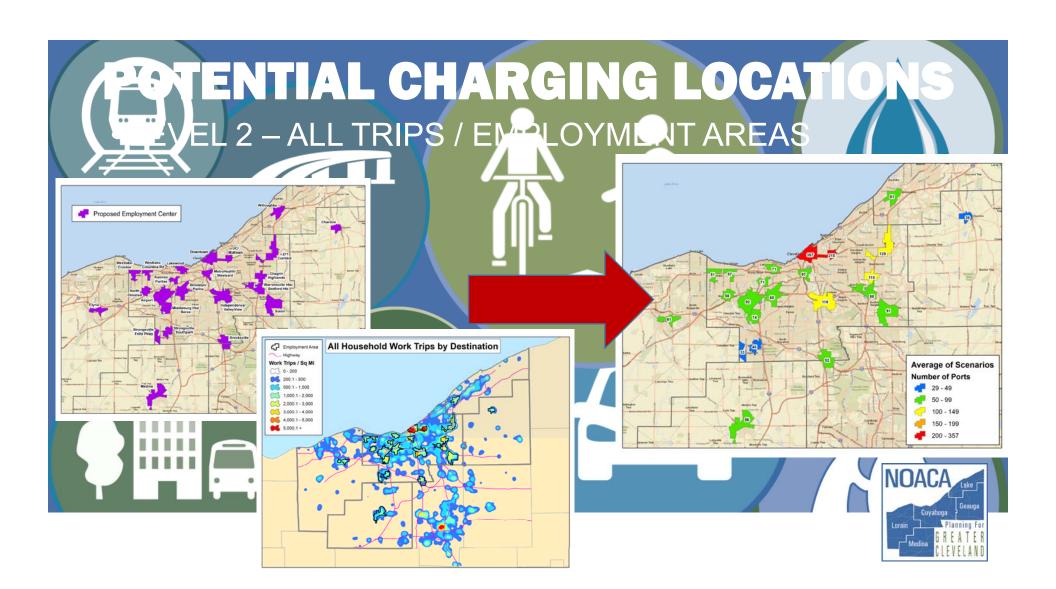
- NOACA will manage and fund the procurement and installation of public electrical vehicle chargers as part of regional initiative.
- RTA sites chosen by NOACA: Louis Stokes at Windermere, Brookpark, and Green Road Rapid Stations
- Electric vehicles will charge by plugging in to charger at a parking space

RTA

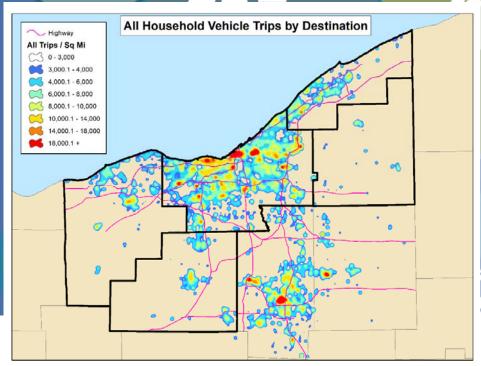




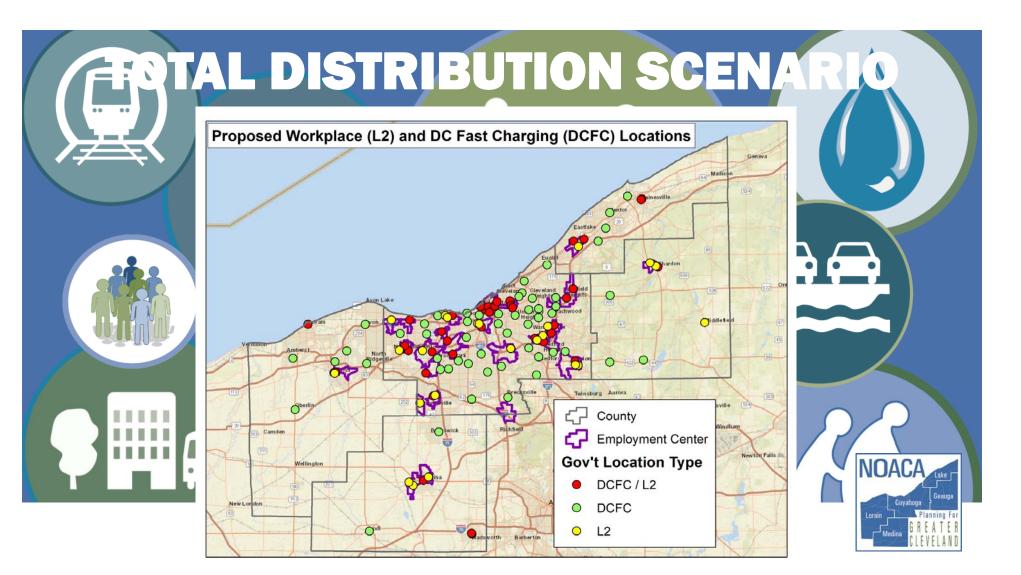




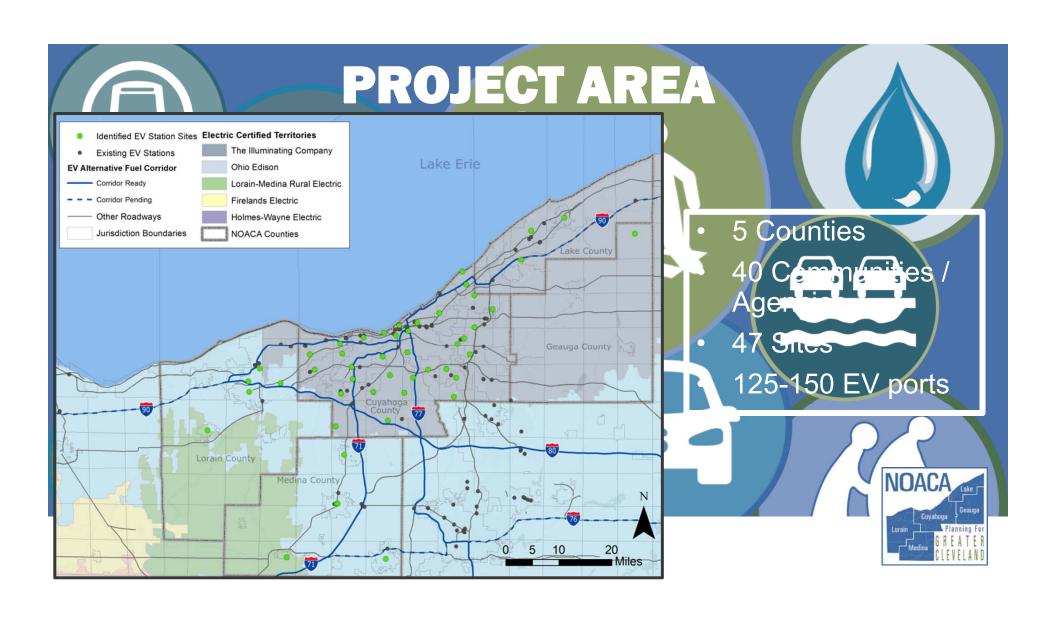
POTENTIAL CHARGING LOCATIONS THE STATE OF THE STINATION OF THE STINATION



















That ate a regional program to deploy Level 2 and Firect Current Fast Line (DCFC) stations across the COACA region

Work According to Date and Reganing Tacks

Dec 2020/Jan 2021

Announce
Program
and
Conduct
Program
Workshop

RFP &
Contract
for
Planning
Services

Mar-Jul 2021

Finalize
Partner
Interest
for
Planned
Locations

Jul-Aug 2021

Conduct Partner Site Visits

Sep-Oct 2021

Execute
Agreeme
nts with
Partners

Oct-Nov 2021

Nov 2021/ Jan 2022

Develop Regional Deployme nt Specs / PS&E Feb-Jun 2022

Procure & Contract for Construct ion Services

July 2022-Spring2022

Construction





Benefits to RTA

- The market share of private electric vehicles is expected to grow considerably in the next 10 years
- Electric vehicle users will find it more convenient to utilize RTA because they can charge their vehicles while using RTA



- Electrical cost scenario developed by GCRTA Energy Manager
 - Monthly costs based on peak demand as well as daily usage
 - More cars charging = less cost per car
 - Fast chargers = greater peak demand, more costly



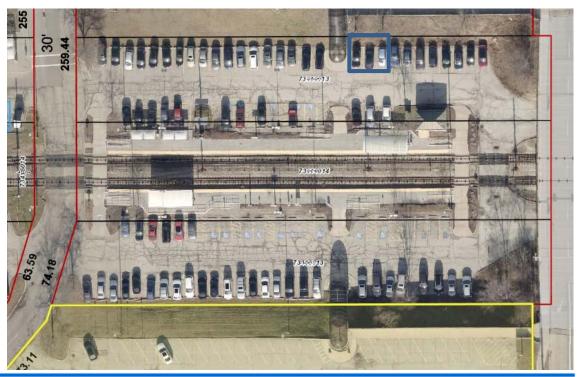
	DCFC Fast Charger	Level II Charger
Total Charges per Month	Cost per Car	Cost per Car
2	\$903	\$126
30	\$62	\$11
60	\$32	\$6

• For comparison Level II charger at Euclid Municipal Court is set at \$0.22/kWh, or equivalent \$11 user fee assuming 50kWh per full charge.



Green Road
Preliminary EV
Chargers Location

3 Level II ports



Louis Stokes at
Windermere
Station Preliminary
EV Chargers
Location

4 Level II ports



Brookpark Station Preliminary EV Chargers Location

2-4 Level II ports

option for 2 DC ports



 Staff requests that the Operational Planning and Infrastructure Committee recommend Board approval of a resolution authorizing GCRTA to enter into agreements with NOACA for each proposed charging site.

Questions?

