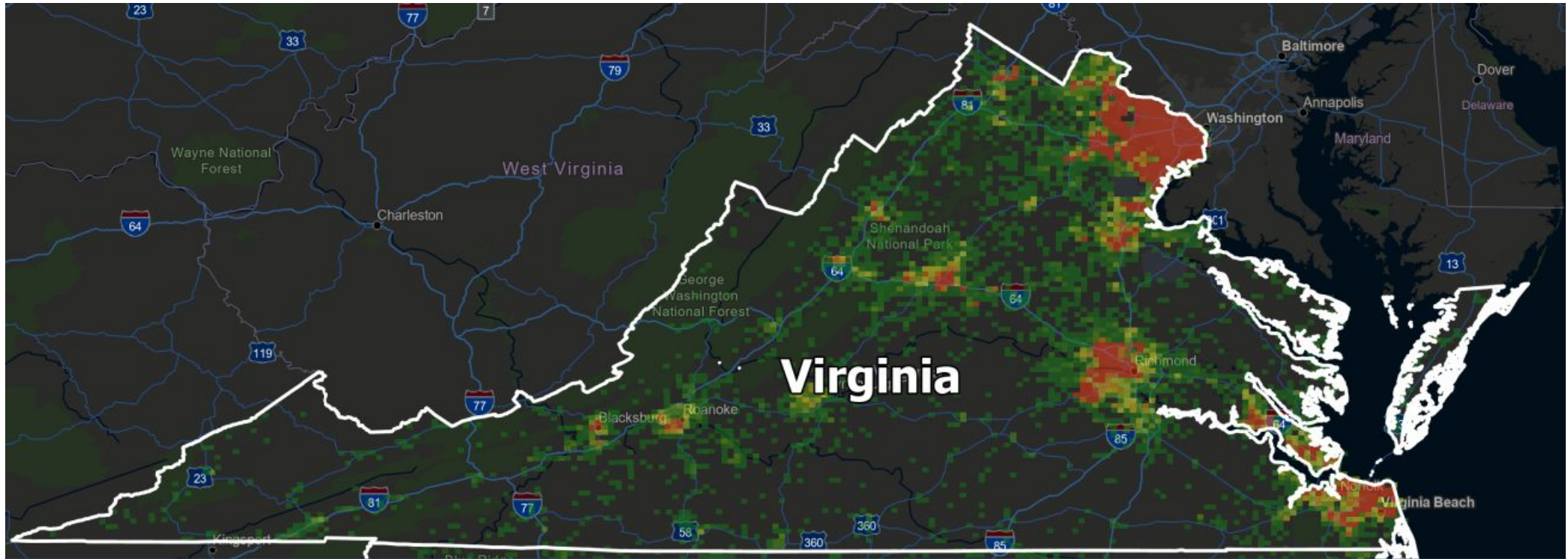


# Introduction



~70,000 EVs in Virginia as of June 2023 □ High concentration in Northern Virginia

# Objective

Build consumer confidence in electric transportation by ensuring charger reliability.

“At worst, almost 2 in 5 visits to chargers – or 39% – were unsuccessful last year.”<sup>1</sup>

<sup>1</sup>J.D. Power’s Electric Vehicle Experience Public Charging Study, quoted by *Automotive News*

# Obstacles to Overcome

## Education

Focus First: Educate drivers and station owners

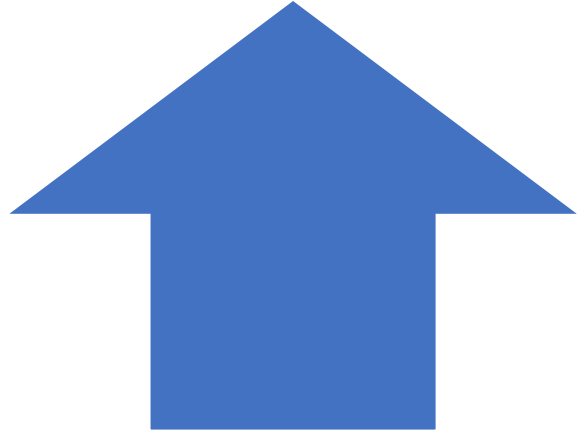
## Uptime

Key Roles: utilities, station owners, users

## Maintenance

Funding Opportunity: EV Charger Reliability and Accessibility Grant

# Benefits and Consequences



## Benefits

- Faster transition to clean transportation
- Reduced emissions
- Improved air quality
- Less infrastructure required



## Consequences

- Slower transition to clean transportation
- Less progress on climate, health and equity goals
- Higher costs for infrastructure

“Regarding Mobility and Clean Transportation, to achieve the DMV Region's Climate, Health & Equity goals, a critical obstacle to collectively overcome in 12 months is **charger reliability.**”