


A photograph of a modern glass skyscraper with a curved facade. The building features a grid of windows, many of which are open, creating a rhythmic pattern of dark frames against the lighter glass. The sky is a clear, pale blue. A dark blue semi-transparent banner is overlaid on the left side of the image, containing white text.

**UPDATES FROM THE  
AEG WASHINGTON 22Q3  
STAKEHOLDER CHALLENGE**

**JULY 14th, 2022**


## OBSTACLE



### AEG WASHINGTON 21Q4 SELECTED OBSTACLE

REGARDING MOBILITY & TRANSPORTATION, TO ACHIEVE WASHINGTON D.C.'S CARBON & EQUITY GOALS, A CRITICAL OBSTACLE TO OVERCOME IS ...

Minimizing the permitting and interconnection timeline and the utilization risk of launching a new energy infrastructure asset-type – multi-modal green charging hubs.



”  
- **CHELLE IZZI**  
HEAD OF MOBILITY  
**NEXTERA ENERGY**  
RESOURCES

## SOLUTION



### AEG WASHINGTON 21Q4 STAKEHOLDER CHALLENGE: MOBILITY & TRANSPORTATION

#### SELECTED 12 MONTH SOLUTION:

Propose development of specific multi-modal EV hub taking in account equity, access, interconnection and cost.

- M1: Data analysis
- M2: Develop heat map
- M3 : Recommend site to develop first multi-modal EV hub

- **TABLE # 6**

# TASK FORCE UPDATE - 21Q4

## 12-MONTH SOLUTION:

Propose development of specific multi-modal EV hub taking in account equity, access, interconnection and cost.

## CURRENT MILESTONE:

M3: Recommend site to develop first multi-modal EV hub

## NEXT MILESTONE:

Launch Heat Map, meeting with DC Council

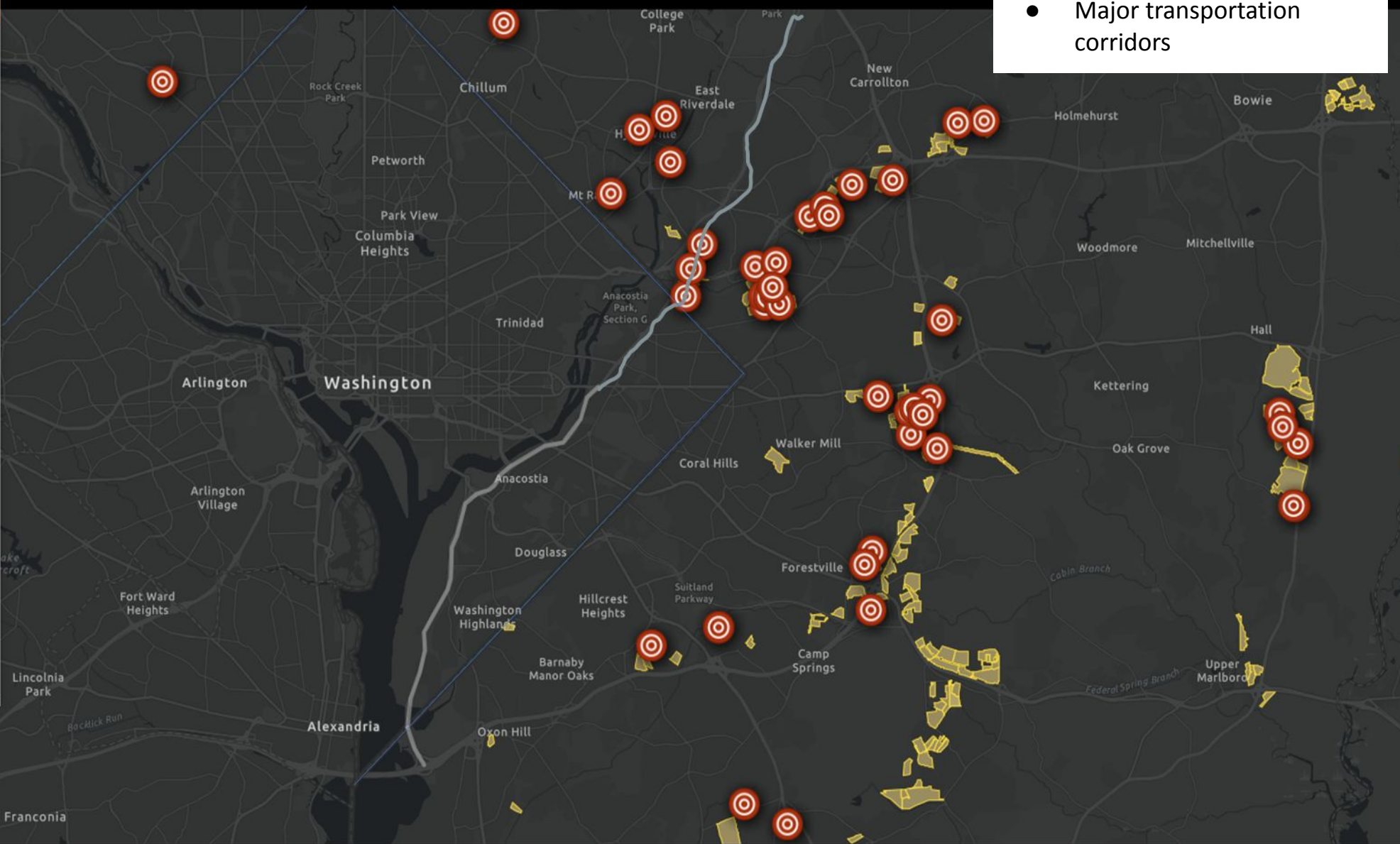
## UPDATES:

- **Identified parameters for a Multi Use EV Charging hub**
  - 10-15 acres, DC likely not an option
  - Need considerable amounts of power, 4.5MW per acre (PEPCO)
- **Created interactive heat map (MDDOT/DOEE)**
  - Consider demographics and other factors for siting as an indicator of potential susceptibility to environmental pollution
- **Focus on 295 Corridor as a transportation gateway into DC**



- Map Layers** ✕
- MD Food Distribution Warehouses
  - US Energy Information Administration (US EIA) Industrial Info
  - Former Pepco Benning Road Power Plant
  - Electric Substations
  - Electric Power Transmission Lines
  - Emergency Truck Parking Locations (MD)
  - National Highway Freight Network Corridor (MD)
  - BWI Airport (Parcel)
  - MDOT SHA Annual Average Daily Traffic (AADT) Segments
  - Industrial Parcels (10 Acres or More)
  - I-295 Corridor
  - I-495
  - MD 185% Federal Poverty

- Where are there parcels of land to site a hub
- Major transportation corridors



21Q4 AEG DC EV Infrastructure Equity Heat Map



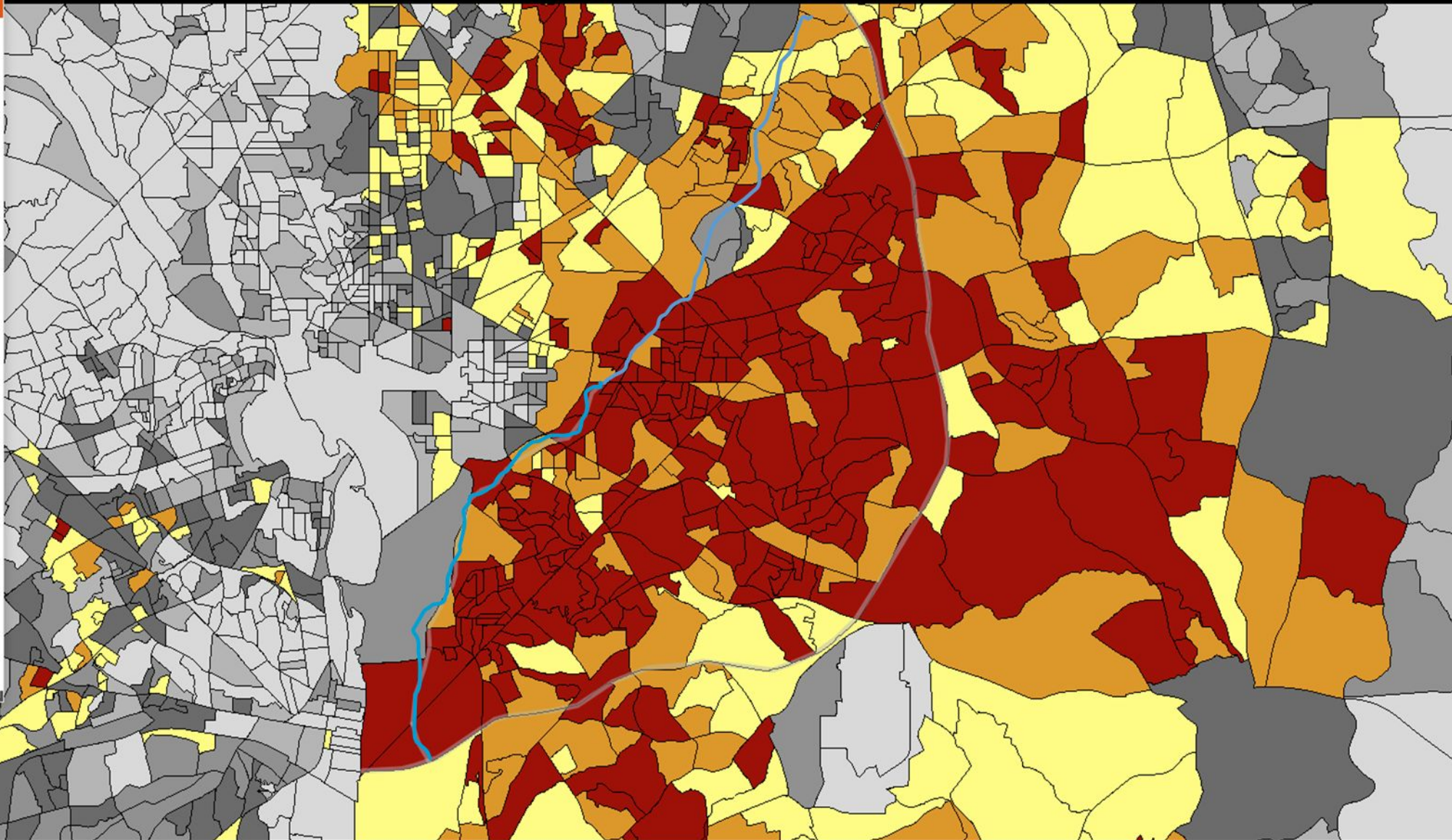
Map Layers

Legend

Search

Map Layers

- ▶  National Highway Freight Network Corridor (MD)
- BWI Airport (Parcel) ⓘ
- MDOT SHA Annual Average Daily Traffic (AADT) Segments ⓘ
- Industrial Parcels (10 Acres or More) ⓘ
- I-295 Corridor ⓘ
- I-495 ⓘ
- MD 185% Federal Poverty Level 2016-2020 ⓘ
- Median Household Income ⓘ
- Population Density (Census Tract) ⓘ
- % Unemployed ⓘ
- ▶  Environmental Justice - Environmental Indices (EPA 2020) ⓘ
- ▶  Environmental Justice - Demographic Indicators (EPA 2020) ⓘ
- Power Company Areas ⓘ



21Q4 AEG DC EV Infrastructure Equity Heat Map