

# Washington 20Q4

04 - 05 Nov 2020

Poll results

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## What is missing for DC to achieve carbon and equity goals?

0 1 2

Allow taller buildings than 6 stories all over the city  
Funding Authoritative leadership.  
Goal ownership by asset owners carbon tax  
political will regarding mode shift away from single occupancy vehicles and parking

# commitment

financing process of the full EV cost stack  
efficient housing for all  
Coordination  
Aggregation of small projects for portfolio financing

## Did the 20Q3 Task Force accomplish its first quarterly milestone objective?

0 1 9

Yes



NO



**Regarding Mobility & Transportation, to achieve Washington D.C.'s 2050 Carbon & Equity goals, the most critical obstacle to overcome is...**

0 2 9

"To develop a coalition engaged in a stakeholder process delivering regional alignment and agreement on clear deliverables." - Rachel Healy, WMATA



"Lack of alignment between transportation electrification and infrastructure development." - Camron Gorguinpour, ENGIE Impact



# Regarding Mobility & Transportation, to achieve Washington D.C.'s 2050 Carbon & Equity goals, the most critical obstacle to overcome is...

"Lack of alignment between transportation electrification and infrastructure development." - Camron Gorguinpour, ENGIE Impact



"To develop a coalition engaged in a stakeholder process delivering regional alignment and agreement on clear deliverables." - Rachel Healy, WMATA



"Lack of sufficient EV sales to accelerate the market on EV Adoption so that Washington D.C. and Maryland can meet their clean energy goals." - William Ellis, Pepco Holdings



"The lack of a concerted cross-sector education campaign to inform regulators and other key stakeholders while countering misperceptions on the important value of RNG." - Michael Bakas, Ameresco



 Anonymous

10 

Table 5: Form coalition, launch working groups to identify/advocate for infrastructure/investment priorities. Q1: Assemble host organizations, issue stakeholder survey; Q2: Establish coalition, report results of survey; Q3: Launch working groups

 Graham


7 

Table 1: 12M: Roadmap for identified technology implementation deliverable. M1: Identify stakeholder coalition, (DOTs, utilities, community groups); M2: outreach to and confirm coalition members; M3: Identify and prioritize prudent technologies to meet goals

 Anonymous

6 

Table 4 Develop a regional framework for the TPB to develop a ZEV policy that can be adopted and implemented. (1) Identify stakeholders, goals, outline framework, assign roles; (2) scoping & data collection; (3) draft framework.

 Anonymous

5 

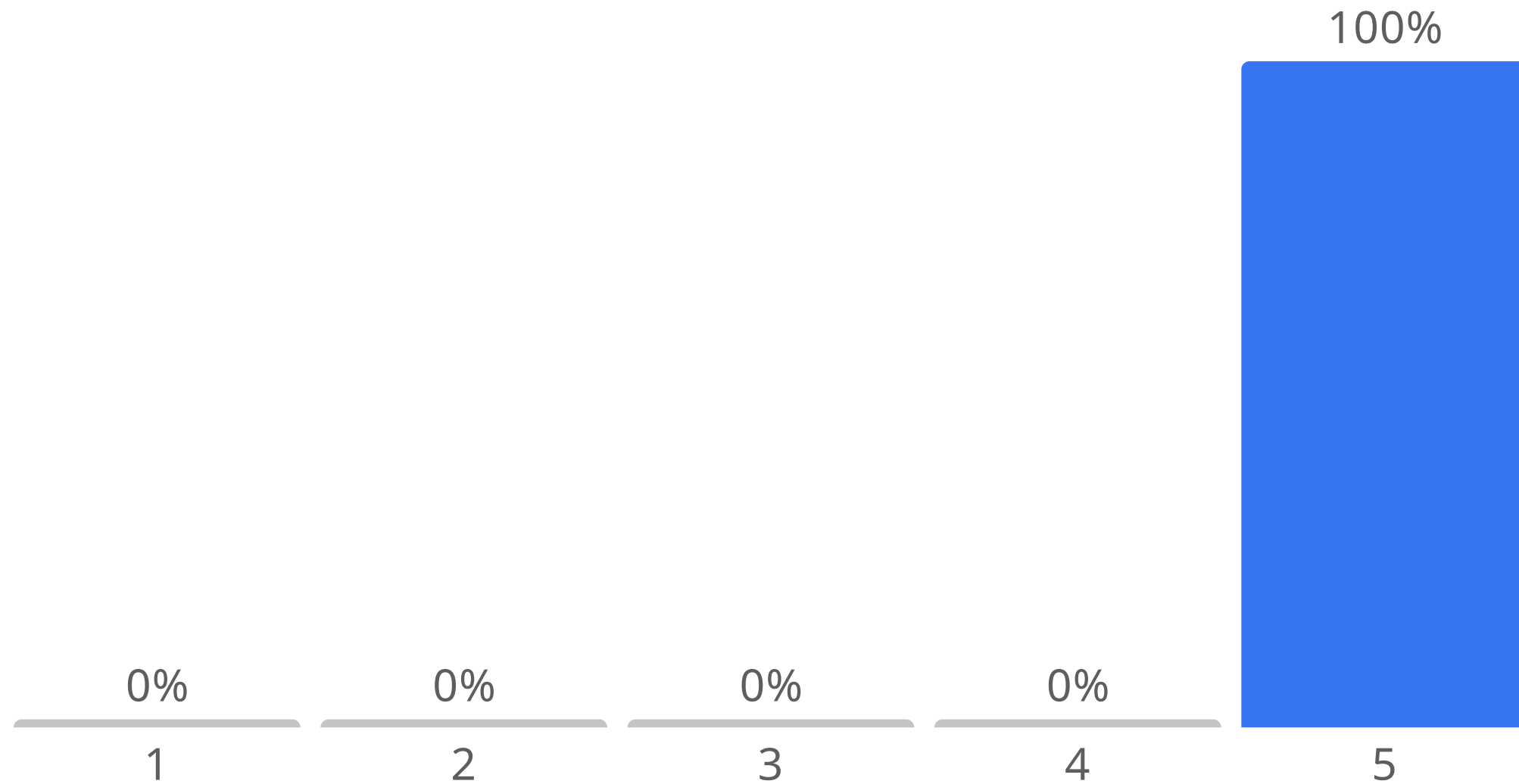
Table 3: 12mos Create a bus fleet coalition and launch pilots, M1: establish focused small coalition with anchor pilots, M2: Members share status and progress; Vendors offer solutions; select, M3: Financing presentations w options to deploy pilot

Post Event Survey (1/4)

006

# How likely are you to recommend AEG events? (5 = very likely)

Score: 5.0





Post Event Survey (2/4)

005

**In one word, how would you describe your experience?**

Educational Fun  
interactive and well organized  
dynamic

## Testimonial? (\*\*\*)Please include your name)

- Jeff King
- AEG does a superb job of facilitating thoughtful and action-oriented discussion between various stakeholders. They push us out of our comfort zones and force us to think outside the box, alongside natural, complementary partners. Not an easy feat in virtual conferencing. - Jay Lurie, DC Green Bank
- AEG is able to host a virtual meeting that fosters involvement, creativity and coalition building.
- Yann Kulp: AEG creates very well curated stakeholder events that bring together a wide group of leaders from policy, technology, utilities, states & cities, and corporations to solve specific energy, resiliency, equity and mobility problems. Spot on, action-driven meetings, where new partnerships are created to solve problems.

Post Event Survey (4/4)

0 0 2

## Any suggestions? (1/2)

- The AEG forum may want to find a way to better integrate its voluntary groups with existing networks and coalitions in metropolitan regions. Taking on big new initiatives with no real new funding and fairly out of context of our existing committee work plans seems less than ideal. For instance you are now forming a new coalition where we already have GWRCCC and COG staff working in an electric vehicle and transit coordinating role for a decade now. That the group chose to shy away from a focus on TPB and COG as being one very key audience for the group's outcome (such as a recommended framework or roadmap) is likely a mistake in strategy at least from a regional perspective.
- potential live Q&A after presentations

Post Event Survey (4/4)

002

**Any suggestions?**  
(2/2)

(though that could more time) --  
maybe reserve 1-2 questions only  
from assigned questioners.

AEG DC 20Q4 Trivia (1/20)

005

**In 2016, what was Washington D.C.'s per capita GHG emissions footprint? (measured in metric tons carbon dioxide equivalent, tCO<sub>2</sub>e)**

11 tCO<sub>2</sub>e ✓



5.8 tCO<sub>2</sub>e



7.4 tCO<sub>2</sub>e



AEG DC 20Q4 Trivia (2/20)

004

## Which is not an EV tax incentive from the District DOT?

An exemption for vehicle title fees (available to any vehicle with a fuel economy over 40 mpg)



Exemptions from high occupancy vehicle lane restrictions and any time-of-day and day-of-week driving restrictions



A 20% income tax deduction for next five years ✓



AEG DC 20Q4 Trivia (3/20)

005

## How many miles of bike lanes are in the District?

120

0 %

85

80 %

100

20 %

AEG DC 20Q4 Trivia (4/20)

004

**18% of D.C.'s energy emissions come from private passenger vehicles however, what percentage of D.C.'s residents do not own a car?**

38% ✓



45%



24%





AEG DC 20Q4 Trivia (5/20)

004

**Washington D.C. has a population of about 700,000. Yet during a regular workday (in the pre-Covid world), the population increases by how much?**

80% ✓



75%



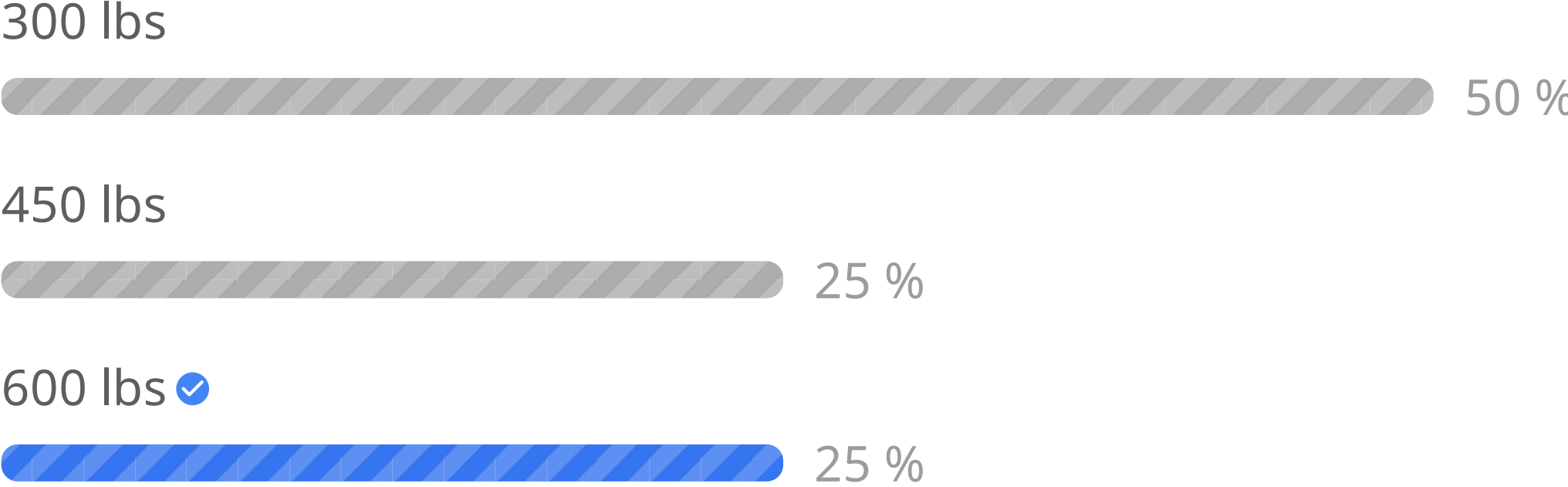
65%



AEG DC 20Q4 Trivia (6/20)

004

**The Edgewood Recreational Center, located in northwest D.C., and home to a vibrant rooftop garden. As of September, how many pounds of produce was the garden producing and freely offering to the local community.**



AEG DC 20Q4 Trivia (7/20)

004

**The District is 69 square miles, but the average commute time for residents differs drastically by Ward. In the 7th and 8th wards, (across the Anacostia River and a largely minority community), how long is the average resident's commute?**

~20 mins

0 %

~30 mins

25 %

~40 mins

75 %

AEG DC 20Q4 Trivia (8/20)

004

**What DDOT initiative seeks to collect data to improve specific components of D.C. transportation infrastructure? I.e. where buses are slowed down, where trains are inefficient, etc...**

District Efficiency Networks



Bridge and Tunnel Checkpoints



Mobility Priority Networks



AEG DC 20Q4 Trivia (9/20)

004

**In July, WMATA finalized a deal with SunPower to install PV on carports and canopies at four rail stations - how many acres of PV will SunPower install?**

17 acres ✓



10 acres



23 acres



AEG DC 20Q4 Trivia (10/20)

0 0 4

**Pepco EVsmart residential rebate is not available on residential EV chargers from this company**

Enel



Chargepoint



Tesla ✓



AEG DC 20Q4 Trivia (11/20)

004

**In 2017, WMATA and the DDOT introduced electric buses into their fleets for the first time. What was the price difference between the average 40-foot low-floor all electric bus and its diesel fueled counter-part?**

electric buses cost 30-40% more



electric buses cost 60-70% more ✓



electric buses cost about 2x more



AEG DC 20Q4 Trivia (12/20)

005

**In the Clean Energy DC report, what is identified as a significant issue with the effectiveness of EV incentives in the District?**

DC doesn't have EV incentives at all.

 0 %

Fleet managers indicates the value proposition of EV incentives is not great enough to change business as usual.

 40 %

DC does not have any new car dealerships, save one Tesla store, so EVs will be largely bought in nearby states limiting the power of purchasing incentives.

 60 %



AEG DC 20Q4 Trivia (13/20)

005

## What is DOEE's first recommendation regarding transportation in Clean Energy DC?

An EV bulk buy program



Update the DC Construction Codes to require buildings to install EV charging equipment and/or the ability to install future EV charging equipment



Adopt an EV-ready parking lot requirement



AEG DC 20Q4 Trivia (14/20)

005

**The DC region has the Xth worst traffic congestion in the country with an average of 11 percent of driving time spent in congestion.**

8th



10th



6th ✓



AEG DC 20Q4 Trivia (15/20)

005

**As of 2019, there were how many publicly accessible EV charging locations in D.C?**

17 ✓



27

0 %

22



AEG DC 20Q4 Trivia (16/20)

005

**The Energy Action Plan, as part of the 2025 Initiatives, will reduce estimated increases in Metro's energy costs by approximately how million annually by 2025?**

\$9M



\$10M



\$16M



AEG DC 20Q4 Trivia (17/20)

005

# The Metro bus system carries how many riders typically each day?

550,000



440,000 ✓



390,000



AEG DC 20Q4 Trivia (18/20)

005

## Approximately how many buses are in the Metro fleet?

1,400



1,600 ✓



1,800



AEG DC 20Q4 Trivia (19/20)

005

**Metro is rebuilding Northern and NAME bus garages which hold 150 - 200 buses to be "electric bus ready."**

Bladensburg ✓



Eastern Market



Fort Totten



AEG DC 20Q4 Trivia (20/20)

005

**A bus garage that can support 150 electric buses will need how many MWs of electric infrastructure?**

6 MW

0 %

7.7 MW

20 %

9 MW ✓

80 %