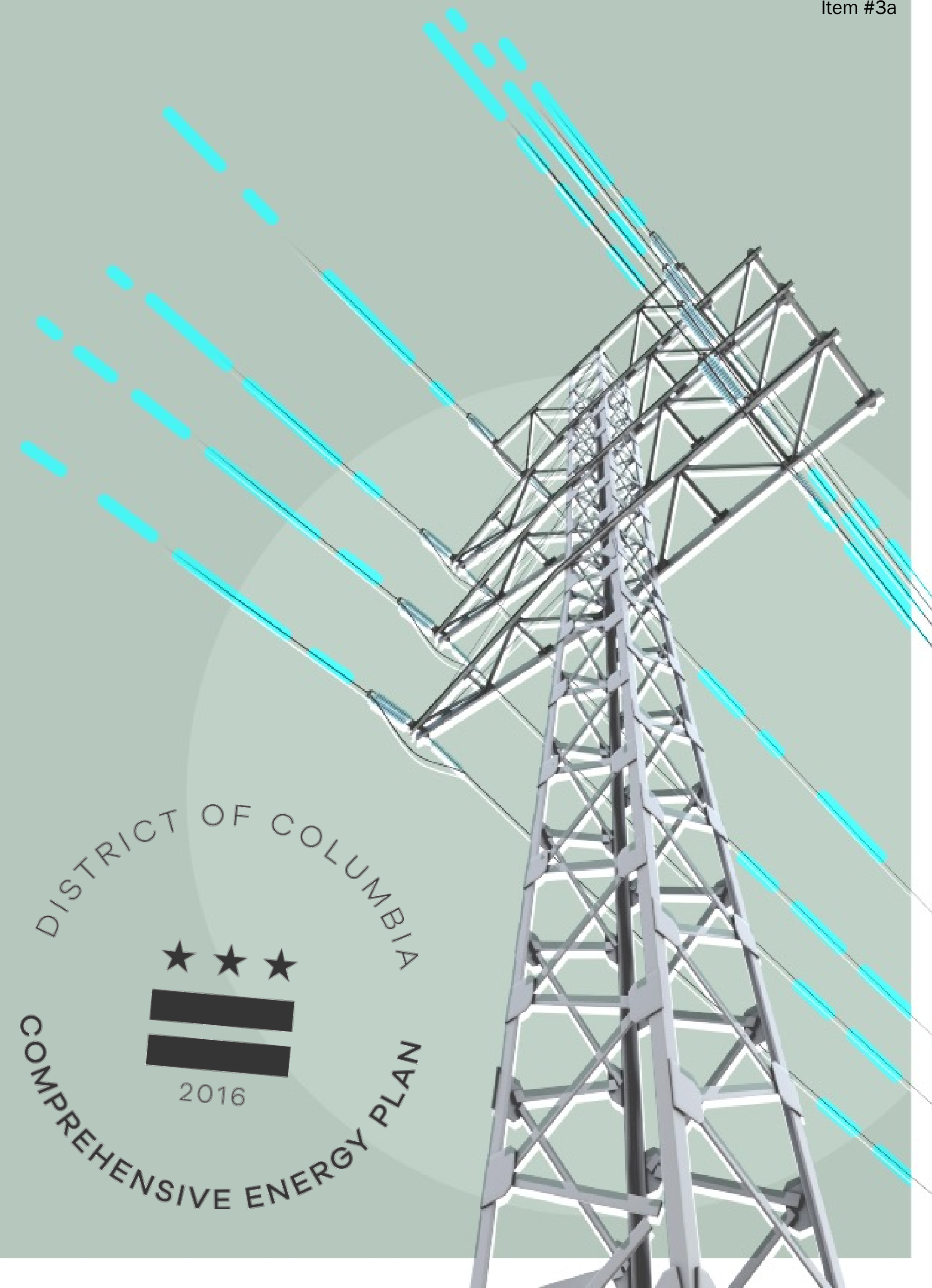
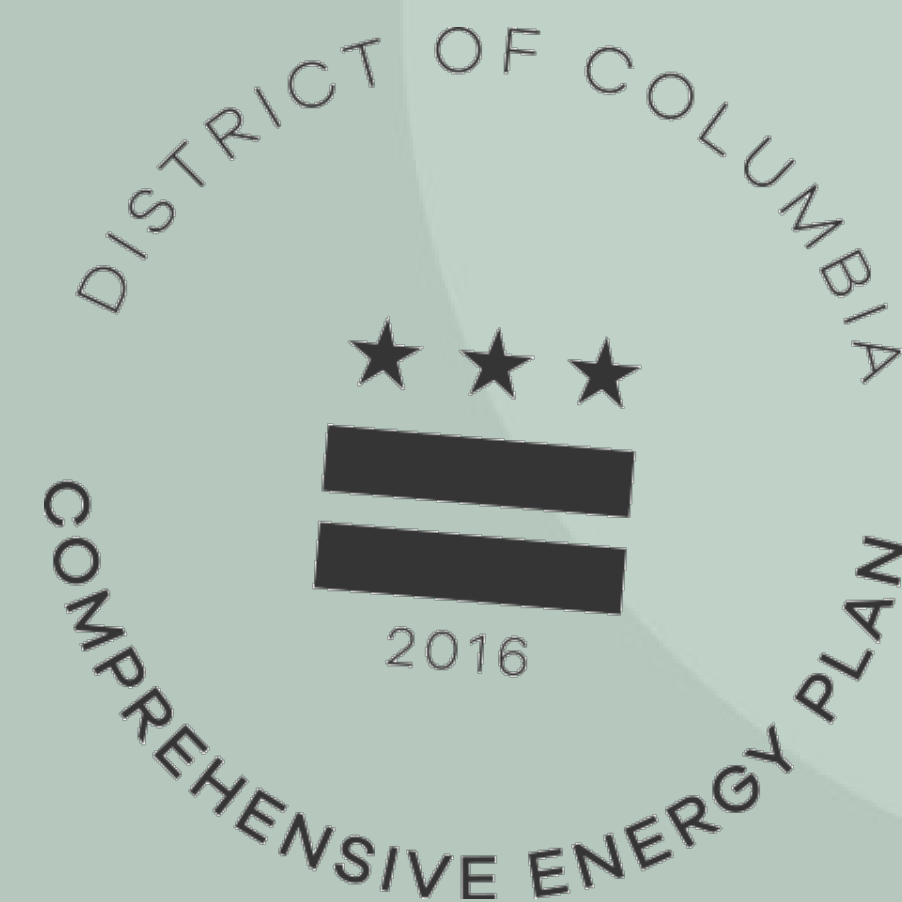


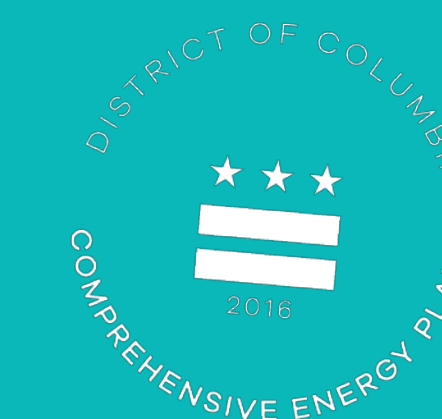
GOVERNMENT OF THE DISTRICT OF COLUMBIA

DISTRICT OF COLUMBIA CLEAN ENERGY DC

PRESENTATION TO
Metropolitan Washington Council of Governments

SEPTEMBER 28, 2016





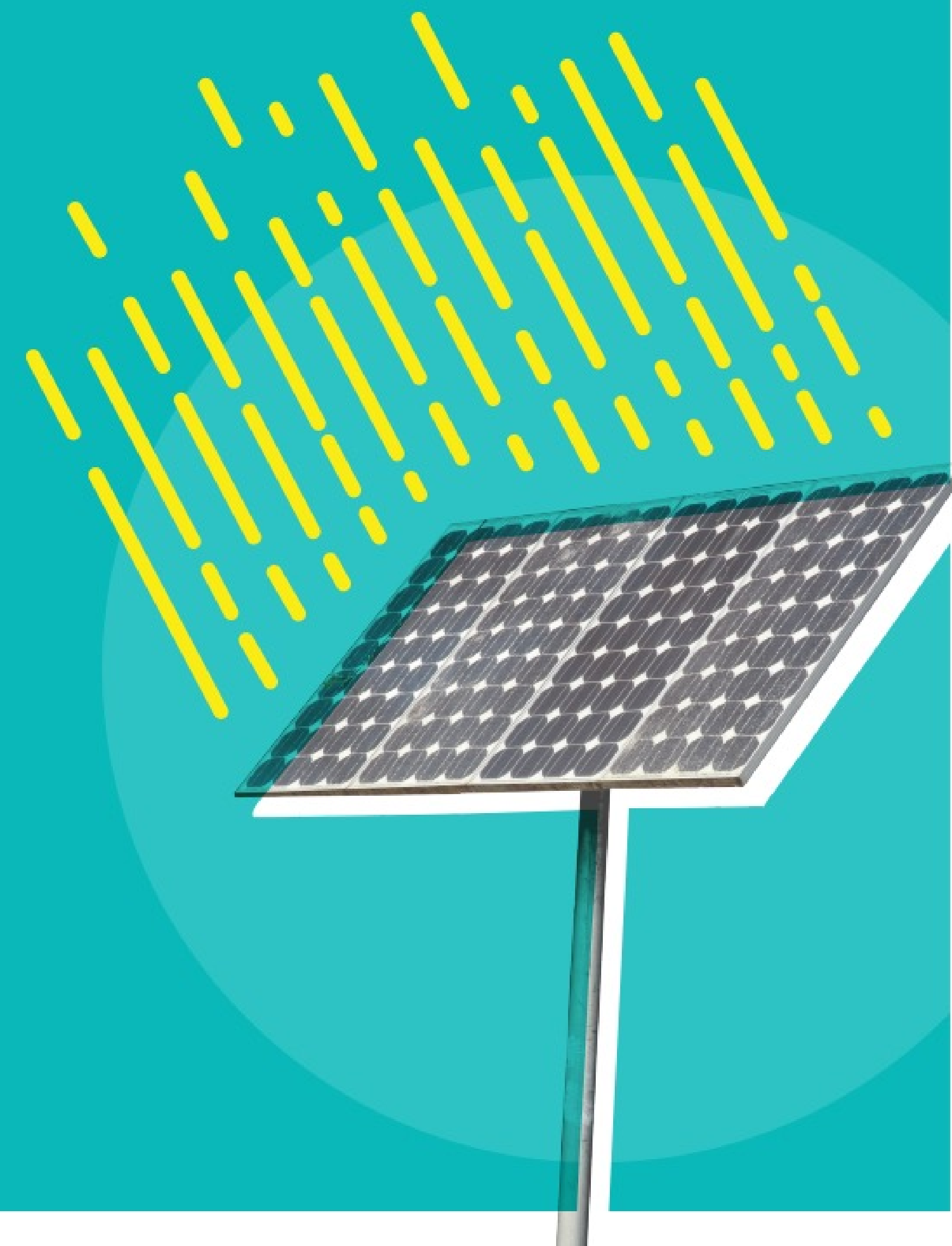
WHAT IS THE CLEAN ENERGY DC?

WHAT IT IS

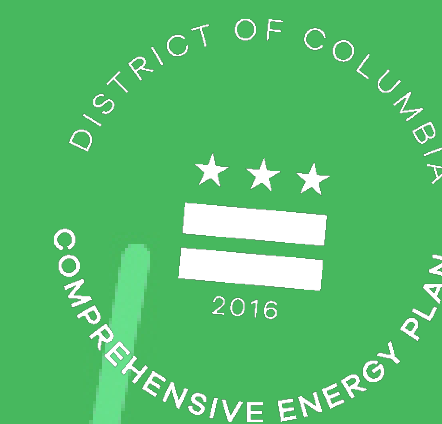
- Both a climate action plan and an energy plan
- Aspirational and practical (dreamer and doer)
- A roadmap for the 2032 GHG reduction goal
- A framework for achieving our 2032 energy targets
- Based on best practices and innovation
- Has unique features
- The District's leadership on climate change
- Beginning of a conversation ("living document")

WHAT IT IS NOT

- Not a traditional energy plan (not a detailed, "shovel-ready" implementation plan)



Clean Energy DC Goals and Priorities



Goals:

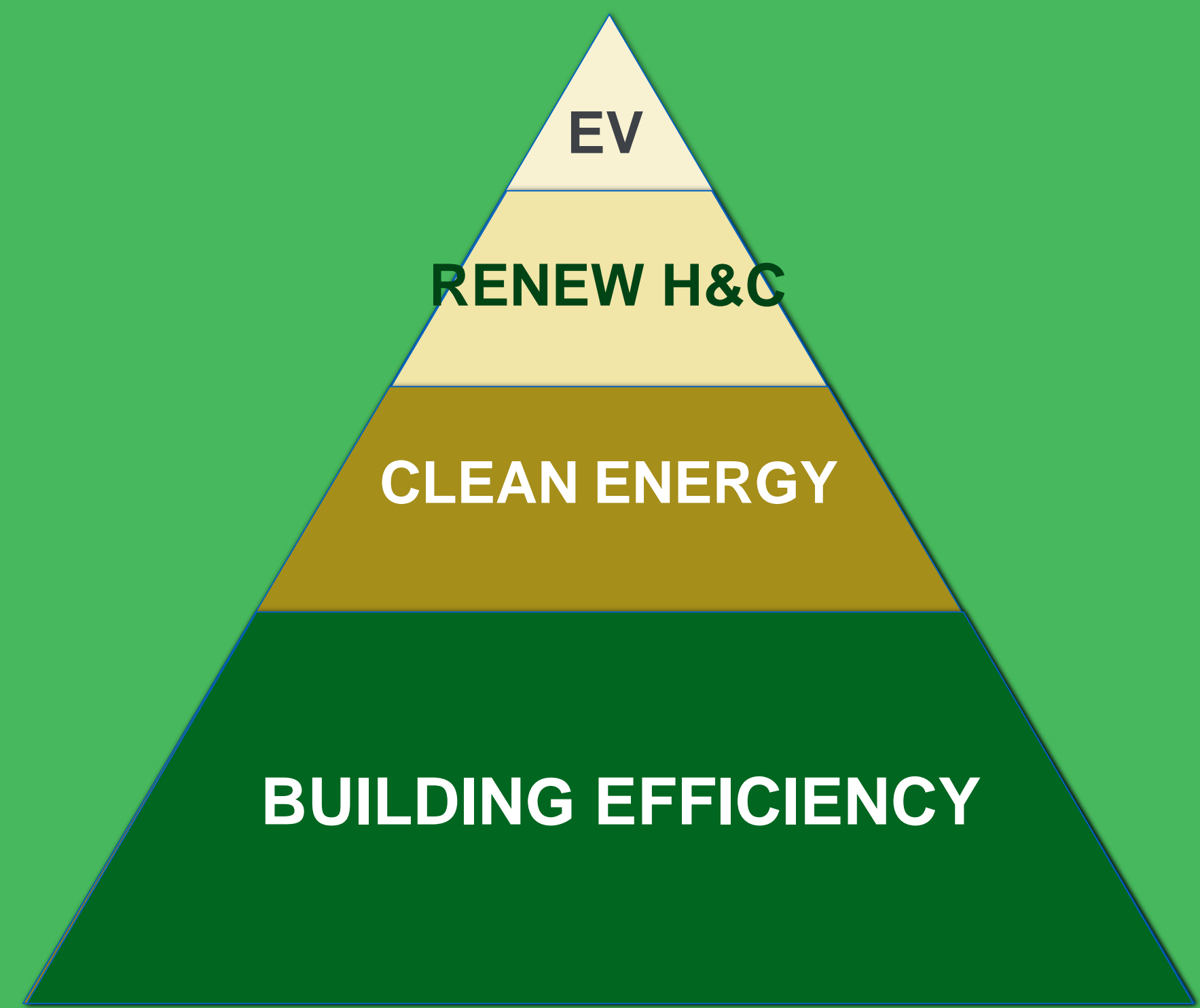
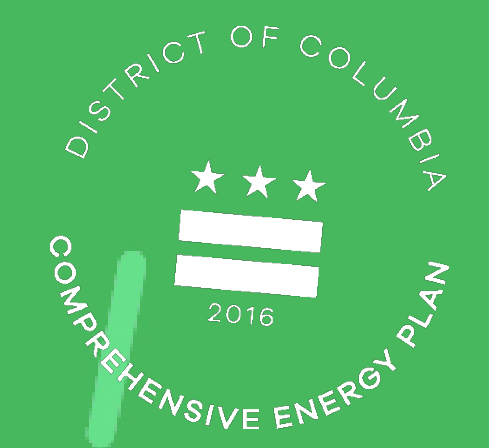
- 50-50-50
Energy Use, REnergy, GHG

Priorities:

- Clean Energy
- Resilient Energy Systems
- Affordable and Efficient Energy
- Reliable Distribution Grid
- *Bold and Innovative*



Clean Energy DC's Scheme



HOW IS IT ORGANIZED?

1) BUILDINGS

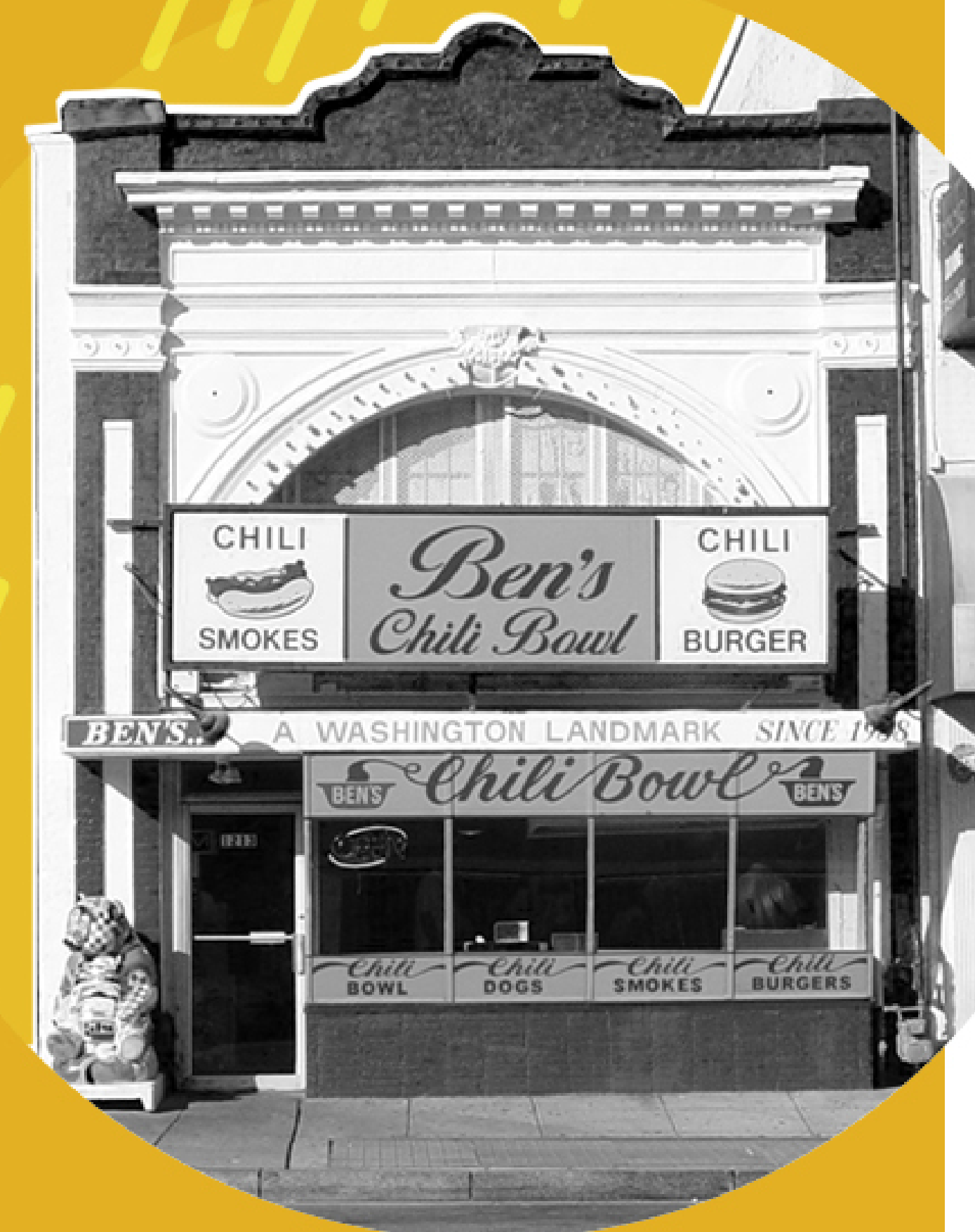
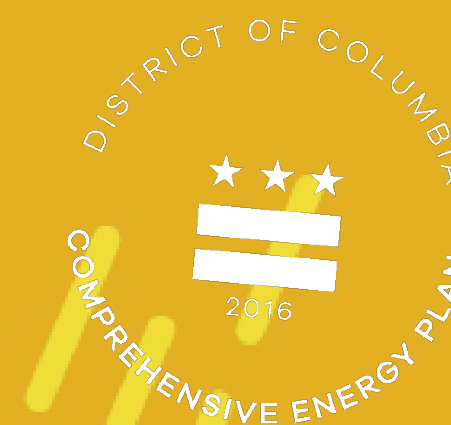
NEW CONSTRUCTION
EXISTING BUILDINGS
CROSS-CUTTING BUILDING ACTIONS

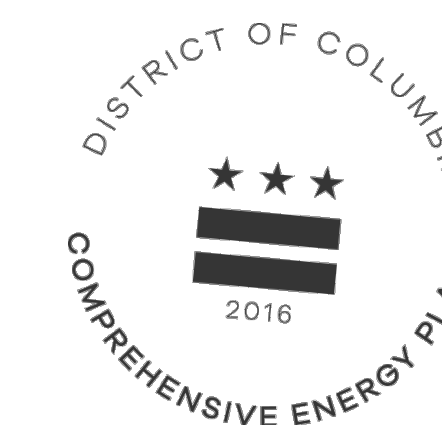
2) ENERGY SYSTEMS

CLEAN & RENEWABLE ENERGY SUPPLY
ELECTRICITY SYSTEM MODERNIZATION

3) TRANSPORTATION

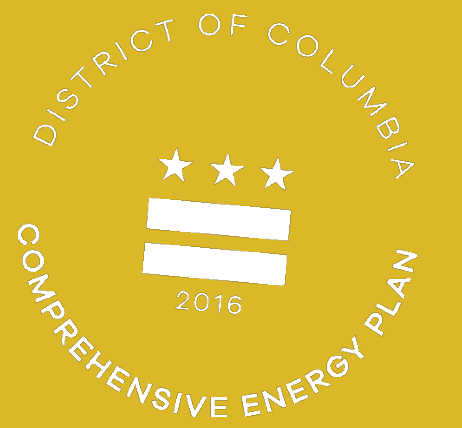
ELECTRIC VEHICLE READINESS & ADOPTION





WHAT ARE THE BIG MOVES?

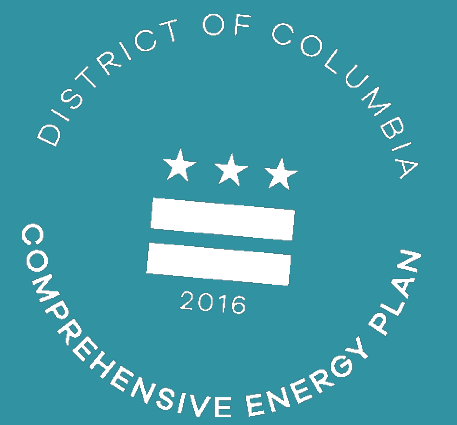
BUCKETS OF ACTIONS	PERCENT GHGS REDUCED FROM 2032 BAU
50% of 2006 = 38.76% of 2032	
New Construction Actions	5.2%
Existing Building Actions	6.5%
Renewable Portfolio Standard	6.2%
RPS Local Solar Requirement	1.1%
PPA for Standard Offer Service	6.6%
Neighborhood-Scale Energy	0.5%
Mode Share Change	6.4%
CAFE Standard	5.8%
Electric Vehicle Adoption	0.4%



NEW BUILDINGS

- 1) CONTINUED TRAJECTORY TOWARD NET-ZERO BUILDING CODES:
PHASE IN NET ZERO CODES BETWEEN 2020 AND 2026
- 2) INCENTIVE PACKAGES FOR NET-ZERO IN THE SHORT TERM
- 3) FOCUS ON CAPACITY-BUILDING EFFORTS IN COLLABORATION WITH INDUSTRY





EXISTING BUILDINGS

- 1) DEEP RETROFITS
(2017-2019: 15% USE REDUCTION FOR 3% OF BUILDINGS)
(2020-2032: 30% USE REDUCTION FOR 15% OF BUILDINGS)
- 2) EXPAND FINANCING AND DATA SHARING
TRANSPARENCY PROGRAMS FOR EXISTING BUILDINGS
(GREEN BANK)
- 3) CENTRALIZED "WHITE GLOVE" SERVICE TO ASSIST
RETROFIT PERMIT APPLICANTS
- 4) DEVELOP AND IMPLEMENT A BUILDING ENERGY
PERFORMANCE STANDARD (BEPS)
- 5) PROVIDE INCENTIVES FOR A DISTRICT WIDE DEEP ENERGY
EFFICIENCY PROGRAM



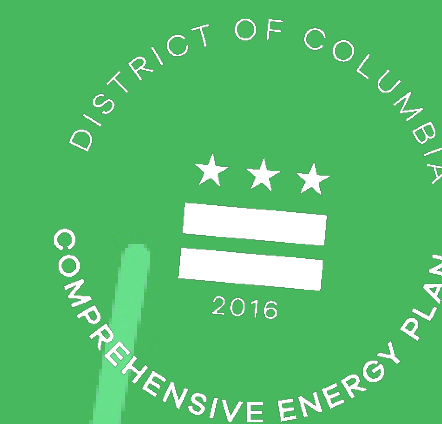


ENERGY SUPPLY

- 1) SET A 100% RPS TARGET FOR 2050
- 2) REPLACE STANDARD OFFER SERVICE WITH A SET OF CONTRACTS INCLUDING A LONG-TERM POWER PURCHASE AGREEMENT FOR RENEWABLE ENERGY
- 3) SET GHG TARGETS FOR ELECTRICITY SUPPLY
- 4) DEVELOP AND IMPLEMENT A SOLAR PROLIFERATION STRATEGY
 - SOLAR READY REQUIREMENTS
 - COORDINATION WITH STAKEHOLDERS

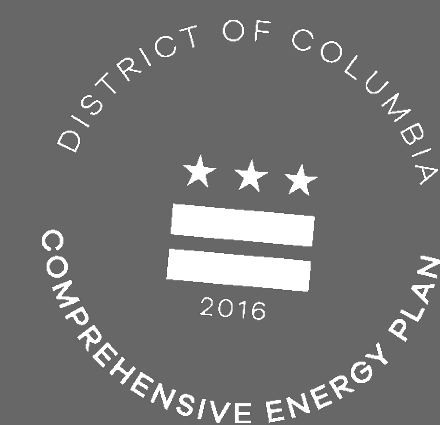


ELECTRICITY SYSTEM MODERNIZATION



- 1) DEVELOP A FRAMEWORK FOR IDENTIFYING WHERE DISTRIBUTED ENERGY RESOURCES WOULD PROVIDE ROBUST VALUE
- 2) DEVELOP AN INTEGRATED DISTRIBUTION PLAN (NEIGHBORHOOD-SCALE ENERGY DISTRICTS) (MICROGRIDS)
- 3) CONDUCT A "GREEN TAPE" REVIEW OF LEGISLATIVE AND REGULATORY BARRIERS TO GRID MODERNIZATION
- 4) PURSUE PILOT PROJECTS





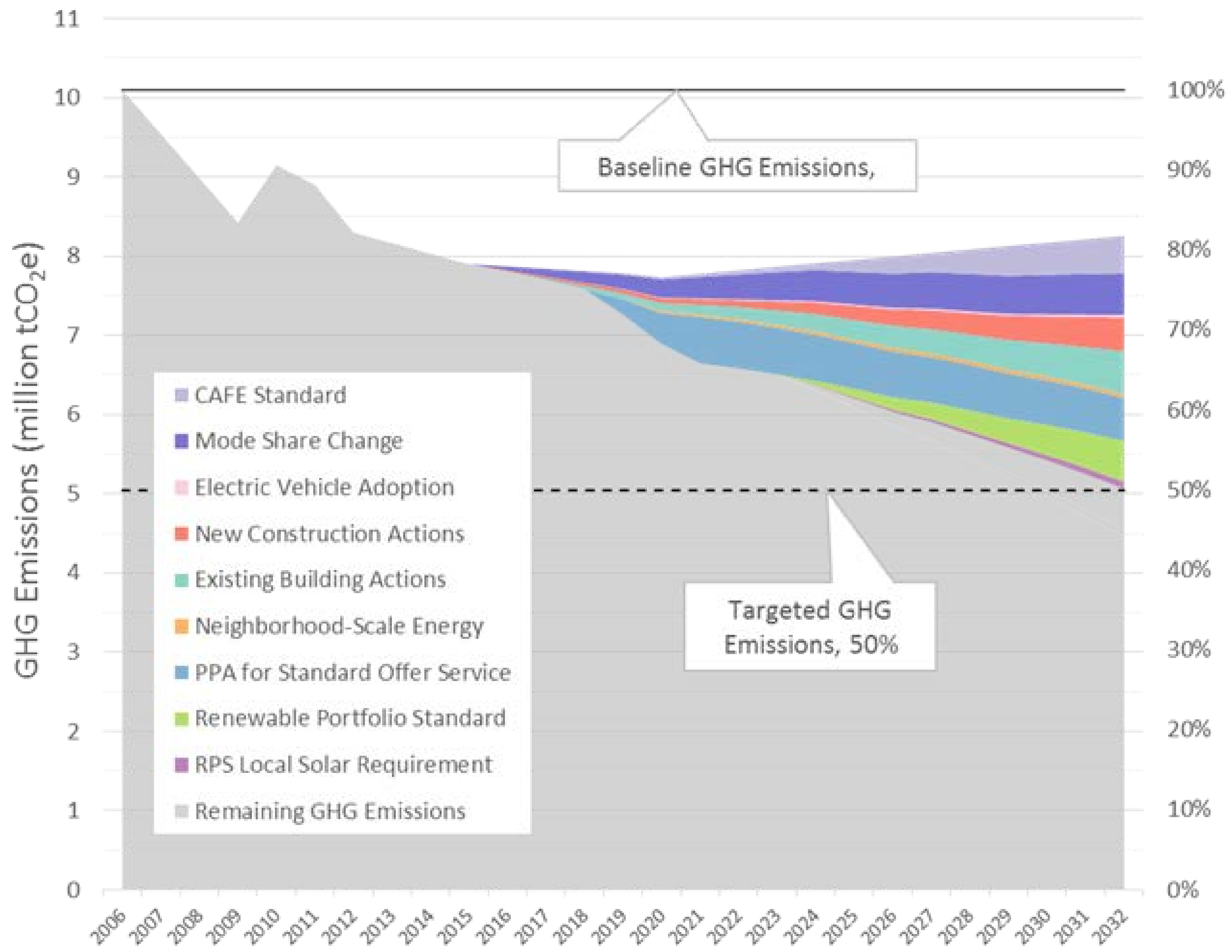
TRANSPORTATION

- 1) ELECTRIC VEHICLE READINESS
 - EV READY BUILDING CODE
 - EV READY PARKING LOT REQUIREMENT

- 2) ELECTRIC VEHICLE ADOPTION
 - IMPLEMENT A EV BULK PURCHASE PROGRAM
 - EV ONLY CAR SHARE FLEETS
 - PROVIDE EV PURCHASE INCENTIVE

- 3) CONTINUE TRANSPORTATION DEMAND MANAGEMENT & MODE-SHIFTING ACTIONS







NEXT STEPS

- INTEGRATE STAKEHOLDER FEEDBACK
- REVIEW FINAL RECOMMENDATIONS
- REPORT TO COUNCIL THIS FALL
- ENGAGE PUBLIC
- CONTINUE TO UPDATE

