

# **Community Energy Plan Implementation Framework**

**(CEPIF)**

**Latest Version & Community Engagement**

# County Board Sept. 2019 Commitments

## Government Renewable Electricity

- 50% by 2022
- 100% by 2025
- Use of PPAs

## Community Renewable Electricity

- 100% by 2035

## Electric Vehicles

- Strategic EV/EVSE Technology, Market, and Operational Plan by 2022

## Equity Issues

- Assist low-to-moderate income community
- Ensure everyone has access to and can benefit from CEP programs and activities

# CEP Adopted Policies

## Buildings

### **Increase energy and operational efficiency of all buildings**

- \* Reduce total building energy usage to at least 38% lower than 2016 levels
- \* Design, build, and operate beyond what is required by code
- \* Pursue funding opportunities and partnerships
- \* Advance energy equity to respond to underserved communities

## Resilience

### **Ensure Arlington's energy resilience**

- \* Make Arlington's energy infrastructure more resilient
- \* Enhance Arlington's approach to energy assurance
- \* Assess microgrid (islanding) options
- \* Use principles of biophilic urban design

## Renewable Energy

### **Increase Arlington's renewable energy resources**

- \* Government will achieve 50% renewable electricity by 2022, and 100% by 2025
- \* Community will achieve 100% renewable electricity by 2035
- \* Install 160 megawatts (MW) of on-site solar electricity communitywide
- \* Use transactional options, cooperatives and diverse utility models

# CEP Adopted Policies (continued)

## Transportation

### **Move more people with fewer greenhouse gas emissions**

- \* Reduce amount of carbon produced from transportation
- \* Reduce vehicle miles traveled (VMT) and increase multimodalism
- \* By 2022, develop a comprehensive electric vehicle (EV) plan
- \* Promote & encourage convenient EV charging stations throughout Arlington

## County Government Activities

### **Lead by example**

- \* Reduce County government CO2 emissions to be carbon neutral by 2050
- \* Integrate CEP policies into other County plans & activities
- \* Assume a leadership role; collaborate and partner with stakeholder groups
- \* County facilities should presume Net Zero Ready targets

## Education & Behavior Change

### **Support residents & businesses that are reducing energy usage**

- \* Engage and empower individuals to reduce energy use
- \* Increase level of professional energy expertise and work force in community
- \* Ensure recognition of extraordinary efforts to help community reach CEP goals
- \* Increase number of buildings that disclose energy use through benchmarking
- \* Design and implement programs that address energy equity issues

# CEPIF Strategies

## Buildings

Encourage commercial energy efficiency improvements through Green Building Incentive (Strategy #10)

Promote better home performance via Green Home Choice (GHC), GHC Kitchen & Bath programs (#21)

Increase the number of ENERGY STAR-labeled buildings (#48)

## Resilience

Add renewables plus energy storage to new County projects (#29)

Create an energy assurance strategy by 2022 (#44)

Pursue public-private partnerships to ensure continuity of key government and business activities and services (#56)

## Renewable Energy

Increase use of solar PV on homes using Solar Co-Op program (#1)

Use PPAs and VPPAs to reach government and community solar electricity goals (#4)

Facilitate solar installations for low- to moderate income households (#18)

# CEPIF Strategies (continued)

<b>Transportation</b>	<p>Facilitate growth of EV charging infrastructure (#14)</p> <p>Increase use of electric vehicles in County fleet (#22)</p> <p>Create a strategic EV/EVSE Technology, Market, and Operational Plan by 2022 (#34)</p>
<b>County Government Activities</b>	<p>Partner with others to achieve legislative victories (#11)</p> <p>Improve County &amp; APS building energy efficiency via Facility Sustainability Policy (Administrative Regulation) (#13)</p> <p>Update and implement the County Operations Energy Plan (#32)</p>
<b>Education &amp; Behavior Change</b>	<p>Create information resources to educate people on energy matters (#23)</p> <p>Encourage the use of Information Technology and 'Smart' Building Energy Management (#53)</p>

# **Process to Update the CEP Implementation Framework**

# Overview

## History

During CEP update process (2018-2019), the public provided County with numerous ideas of how to best implement the CEP

List of CEPIF Strategy titles included in CEP County Board report (Sept 2019)

## Staff Efforts

In late 2019, AIRE staff consolidated 120+ strategies and ranked them using nine criteria

Used a template to expand strategy titles to expanded write-ups

## Criteria

Will benefit the local economy?

Benefits outweigh costs?

Environmental co-benefits?

Will advance energy security?

Will reduce greenhouse gas emissions?

Is easy to implement in next two years?

Is it equitable?

Will address barriers to better energy practices?

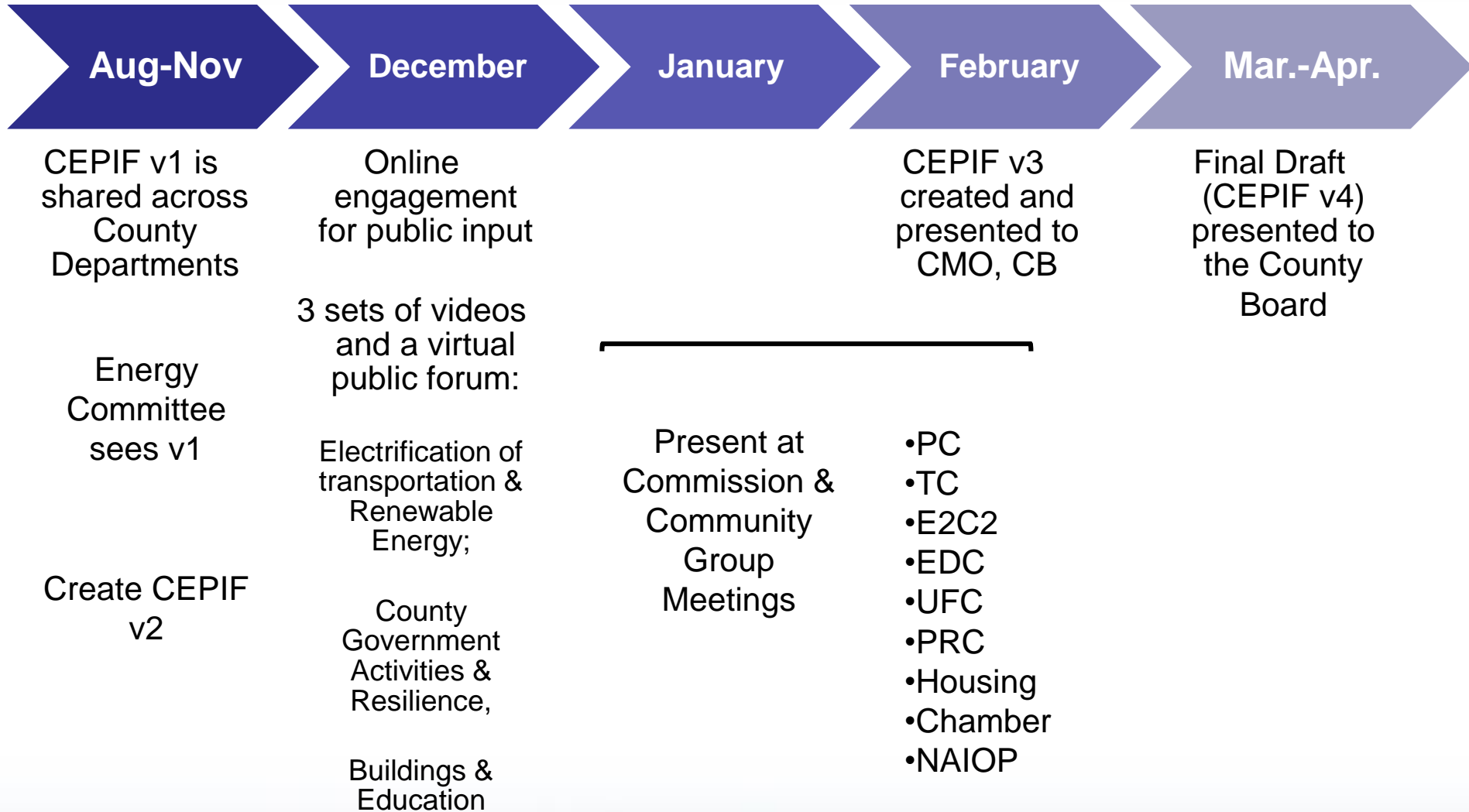
Promotes Arlington as a leader?

## Next Steps

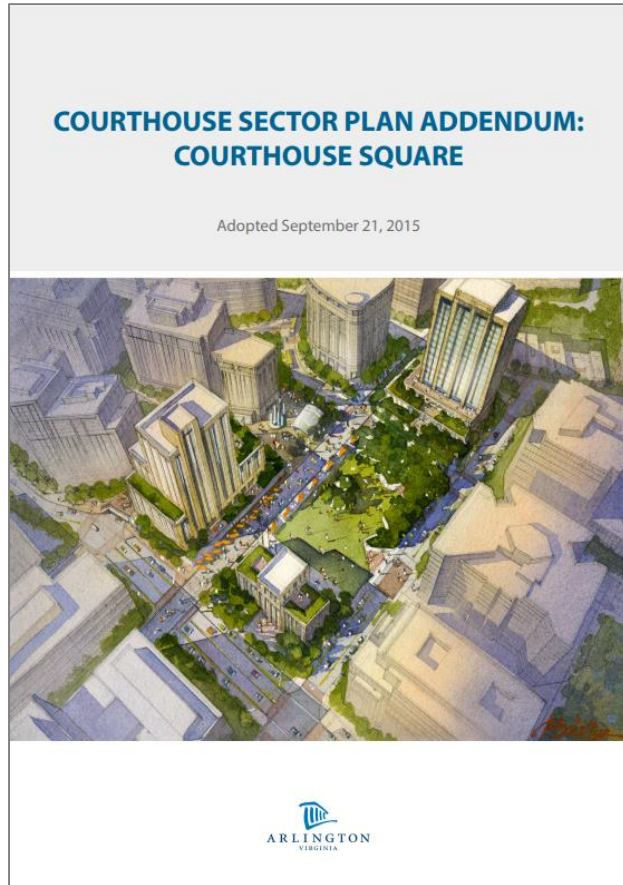
Give general public, stakeholder groups, and Commissions opportunity to review draft CEPIF and provide input



# CEPIF Public Process



# 2015 Courthouse Sector Plan Addendum Courthouse Square



# Courthouse Square Concept Plan



Courthouse Square Promenade

2025 15th Street North

21st Century Square

Symbolic Civic Building

# Priority Concept Recommendations

The Courthouse Square Concept Plan unites **ten top priorities** or “big ideas.” Two prominent, dedicated public spaces are included in these recommendations.

1. **21st Century Civic Square**
2. Central Metro Access
3. Shared Streets
4. **Courthouse Square Promenade**
5. Symbolic Civic Building – South Square
6. Verizon Plaza Redevelopment
7. County Administration Building
8. Enhance Pedestrian Connection at North Veitch Street and 14<sup>th</sup> Street North
9. Cultural and Civic Facilities
10. Sustainability

# #1 Priority Recommendation – A 21st Century Civic Square

## The future Courthouse Square will be:

The civic and cultural heart of Arlington.

A gathering place for Arlingtonians and visitors.

An opportunity for entertainment and activities.

A premier address for new development.

A place that offers a variety of experiences for the visitor, resident, and workers...



Figure 2.2: Conceptual birds-eye view looking northwest into Courthouse Square

## #4 Priority Recommendation – Courthouse Square Promenade



Figure 2.13: Pedestrian promenade with programmed events and shade trees



Figure 2.14: Example of a promenade adjacent to a central gathering place

A Courthouse Square Promenade will be a key pedestrian connection between Wilson Boulevard and 14th Street in the North Uhle Street right of way.

It will create a vibrant centralized promenade and link the Square both physically and visually to activities on Wilson and Clarendon Boulevards, Metro, adjoining open spaces, County facilities, local businesses and surrounding neighborhoods.

# 21st Century Civic Square Vision



Figure 2.4: Conceptual view looking southwest into Courthouse Square from the Memorial Grove

[Learn more at: Envision Courthouse Square - Projects & Planning \(arlingtonva.us\)](http://arlingtonva.us/projects-and-planning/envision-courthouse-square)