



# **Community-Wide Energy and Climate Action Plan**

Update

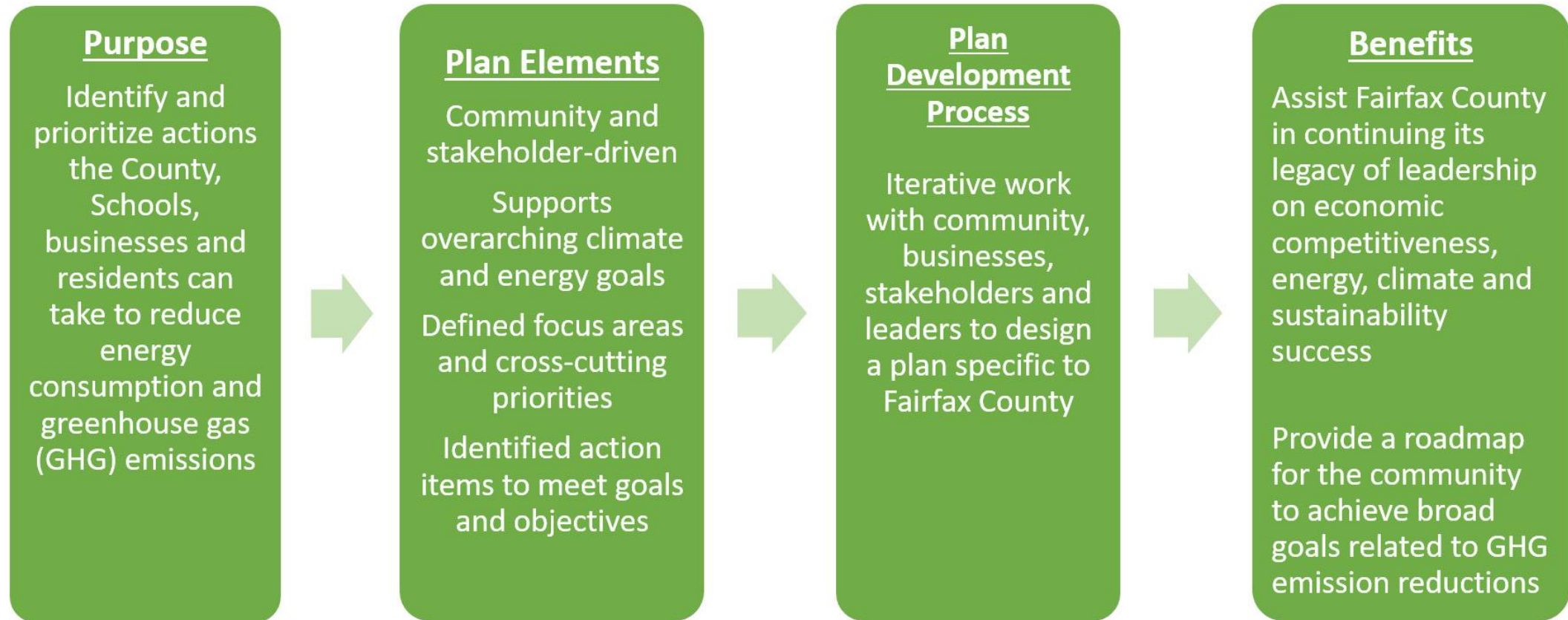
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# Background

- EQAC 2018 *Annual Report on the Environment* – Climate and Energy Recommendation #1, November 18, 2018
  - “EQAC recommends that Fairfax County develop a community-wide energy and climate action plan to reduce GHG emissions in the private sector. Development of this plan should be based on a transparent and collaborative process...”
- Board Matter – Fairfax Green Initiatives, February 5, 2019
  - Report on “a draft process, resources and timeline to develop a Community-wide Energy and Climate Action Plan (CECAP).”
- BOSEC – Request for Information, February 12, 2019

# What is Energy and Climate Action Planning?



# Energy and Climate Action Planning: Comparative Development Overview

| Municipality   | Responsible Office   | Additional Assistance                            | Development Timeframe | Community Engagement   | Municipality Characteristics  |
|----------------|--|--|-----------------------|--|---|
| Cleveland, OH  | Office of Sustainability   | Yes: consulting services and additional staffing | ~ 12 months           | <ul style="list-style-type: none"> <li>90-member Advisory Committee (five meetings)</li> <li>12 public workshops with 300+ attendees</li> <li>Public comment period</li> </ul>   | <ul style="list-style-type: none"> <li>2017 population 385,525</li> <li>MHI: \$27,854</li> <li>Land area: 77 mi<sup>2</sup></li> </ul>    |
| Boston, MA     | Dep't of Energy  | Yes: consulting services and additional staffing | ~ 12 months           | <ul style="list-style-type: none"> <li>31-member Stakeholder Steering Committee</li> <li>5 20-member strategy subcommittees</li> <li>2 public forums with 500+ attendees</li> <li>Public comment period</li> </ul>                                       | <ul style="list-style-type: none"> <li>2017 population 685,094</li> <li>MHI: \$63,621</li> <li>Land area: 48.4 mi<sup>2</sup></li> </ul>  |
| Washington, DC | Dep't of Energy and Environment, Energy Admin., Policy Compliance Division | Yes: consulting services and additional staffing | 36 months             | <ul style="list-style-type: none"> <li>2-day stakeholder workshop</li> <li>6 peer review meetings with 39 organizations</li> <li>3 community forums with 100 attendees</li> <li>24 canvassing events</li> <li>Resident survey (800 responses)</li> </ul> | <ul style="list-style-type: none"> <li>2017 population 702,455</li> <li>MHI: \$82,372</li> <li>Land area: 61.05 mi<sup>2</sup></li> </ul> |
| Arlington, VA  | Arlington Initiative to Reduce Emissions (AIRE)                            | Yes: consulting services and additional staffing | ~ 40 months           | <ul style="list-style-type: none"> <li>30-member Stakeholder Group, with bimonthly meetings</li> <li>~ 100 public meetings</li> </ul>  | <ul style="list-style-type: none"> <li>2017 population 234,965</li> <li>MHI: \$117,237</li> <li>Land area: 26.0 mi<sup>2</sup></li> </ul> |

MHI = Median household income

# Pre-Requisites to Energy & Climate Action Planning

- Establishment of responsible office
  - Proposed Office of Environmental & Energy Coordination (OEEC) designed to support authorized programs, such as Energy Action Fairfax, C-PACE and the solar RFP
  - Additional programs such as the Energy and Climate Action Plan (**CECAP**) require staff and resources to develop, implement and manage planning
- Recognition that actions generally encouraged, **not required** under current state law
  - No direct county authority over private sector emissions
  - County plays a role to encourage private sector transformation
- Board approvals on key issues
  - Funding for consultants and technical advisors
  - Planning Process
    - Board endorsement of purpose, goals, objectives, outreach...etc.



# Energy and Climate Action Planning: Framework and Timeline

## Phase I – Plan Initiation

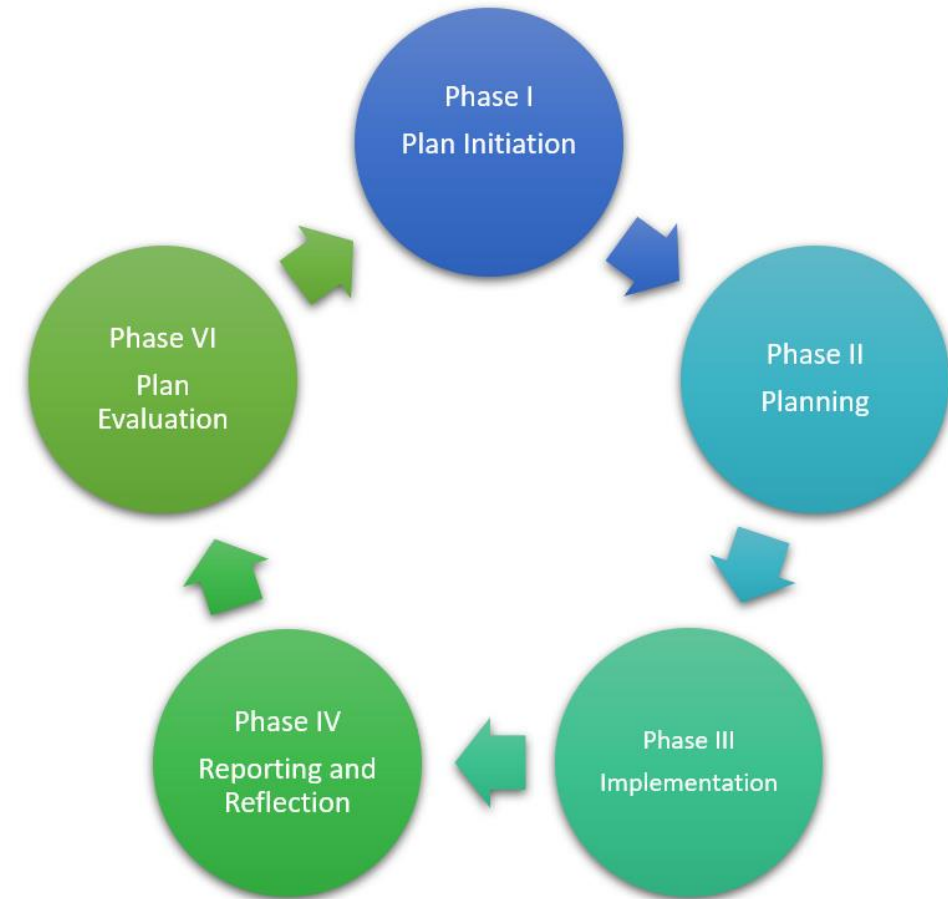
(~6 -12 months: Summer 2019 – Fall 2020)

1. Mobilize Internal Resources (Recruit staff, contracting services and interns): summer 2019 – winter 2020
2. Develop Planning Process: fall 2019 – spring 2020
3. Build Support from Stakeholders: spring 2020 – summer 2020
4. BOSEC Endorsement of Process: fall 2020

## Phase II – Planning

(~18 months: estimated Sept. 2020 – Mar. 2021)

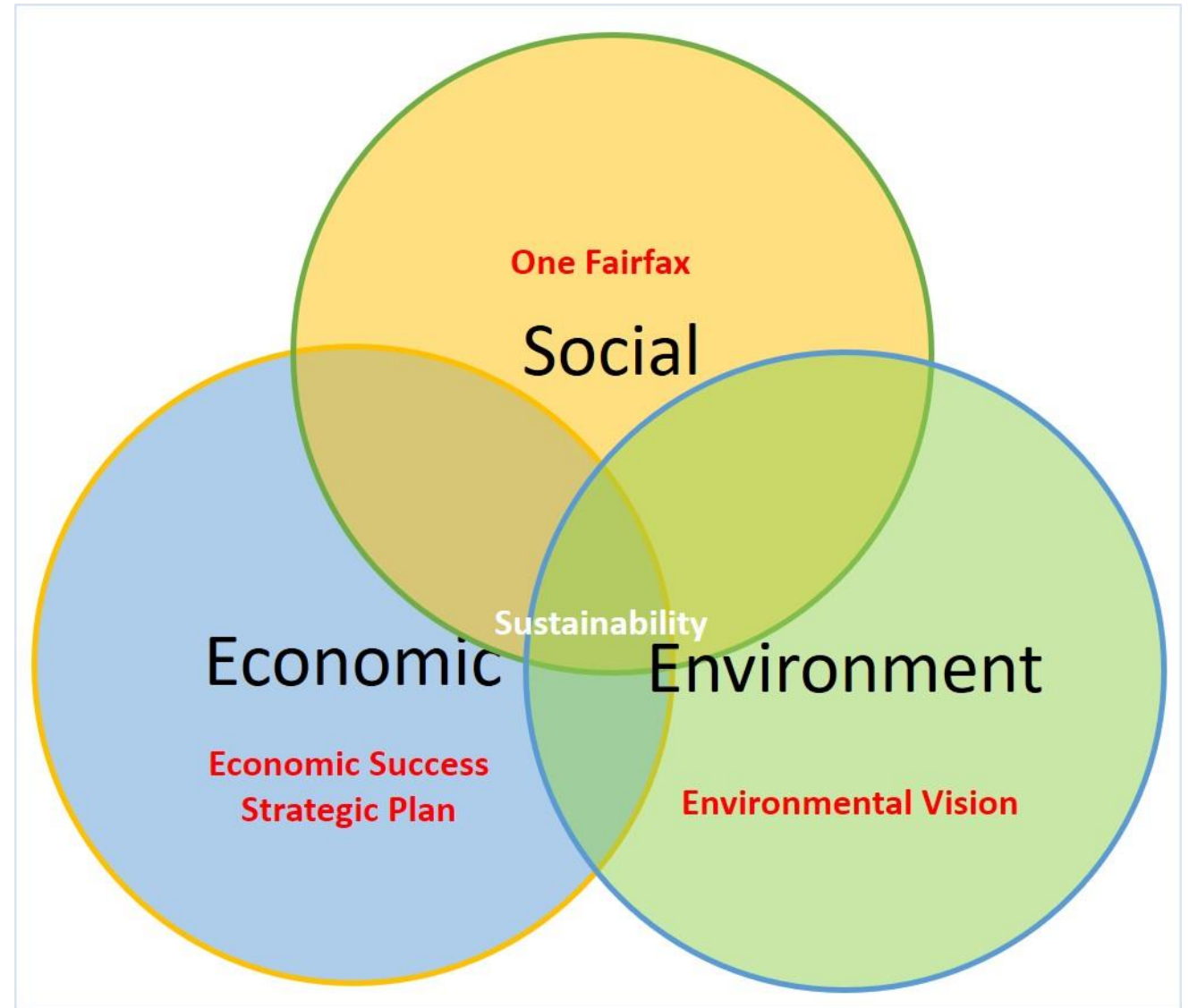
1. Assessment of the Current Framework (Where are we?)
2. Establishment of the Vision (Where do we want to go?)
3. Development of the Plan (How do we get there?)
4. Plan Approval



# Framework and Timeline

## Phase III – Implementation (TBD)

1. Actions Tied to Resource Requirements and Budget Process (Sustainability)
  - Informed by County Strategic Plan
  - **Support Environmental Vision**
  - **Support One Fairfax Policy**
  - **Support Economic Success Strategic Plan**
2. Multi-Sector (Leave No Major Emitter Behind)
  - Residential/Commercial
  - Government/Schools
  - Utilities/Authorities
3. Multi-Faceted Actions (Navigate the Path with Practical Feet)
  - Community Engagement and Outreach
  - Policy Mechanisms for the Residential and Commercial Sectors
  - County Policy Review and/or Amendments
  - County Legislative Proposals to VA General Assembly
  - Sustainable Social or Economic Development Actions



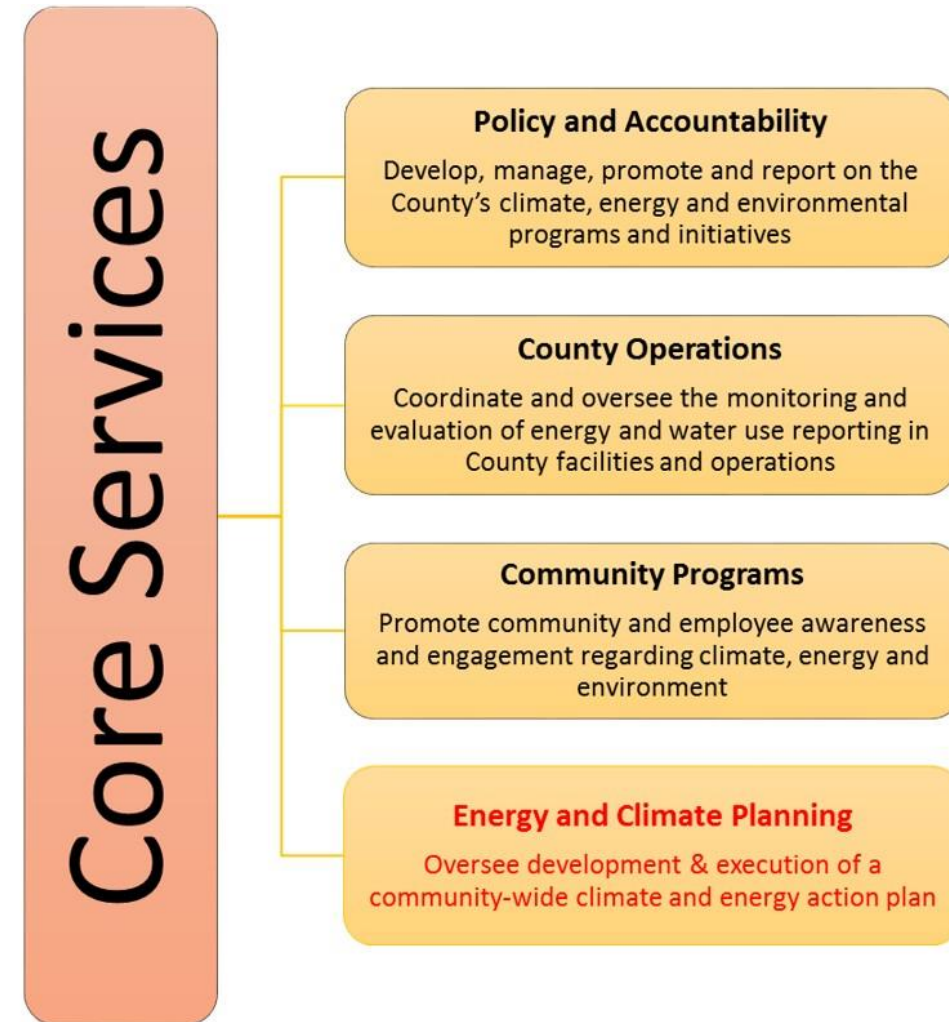
# OEEC – Proposed Core Services

## OEEC Advertised Budget

- Combination of existing positions and identification of additional requirements
  - 7 staff / \$1,061,060 with a net General Fund impact of **\$456,137 in FY 2020**
  - 1 new, 2 existing positions added to Environmental and Energy functions

## Requirements for Energy and Climate Planning

- 2 new positions / \$276,749
- Energy and Climate Action Plan contractual support estimated: \$0.6 – \$1.4 million





# Energy and Climate Action Planning Team

## CECAP Value

- Increase awareness and public engagement in energy and climate initiatives
- Provide pathways to reduce community greenhouse gas emissions (which account for 97% of county emissions)
- Increase the economic competitiveness of the County in attracting new businesses and workers
- Assist residents and businesses in developing energy cost-saving approaches through energy efficiency and renewable energy
- Promote sustainability activities that support social, economic, and environmental opportunities for all residents, businesses and community organizations



## CECAP Mission

- Assist the Board in developing the overarching goals and objectives of a Energy and Climate Action Plan
- Establish a Community Advisory Team, consisting of stakeholders from businesses and community interest groups, who will participate in plan development
- Identify areas where consultants would be required, and then procure services
- Manage and analyze community-wide energy data by collaborating with regional partners
- Host community-wide forums and workshops throughout planning process
- Release draft materials for public comment
- Incorporate public comments into final product
- Present draft and final products to the BOS for consideration and adoption