

# Arlington's Community Energy Plan

## *Ensuring a Competitive and Sustainable Community*



BEEAC Meeting  
July 18, 2013

# Community Energy Plan - Benefits

## Competitiveness

- Energy cost
- Employment
- Investment

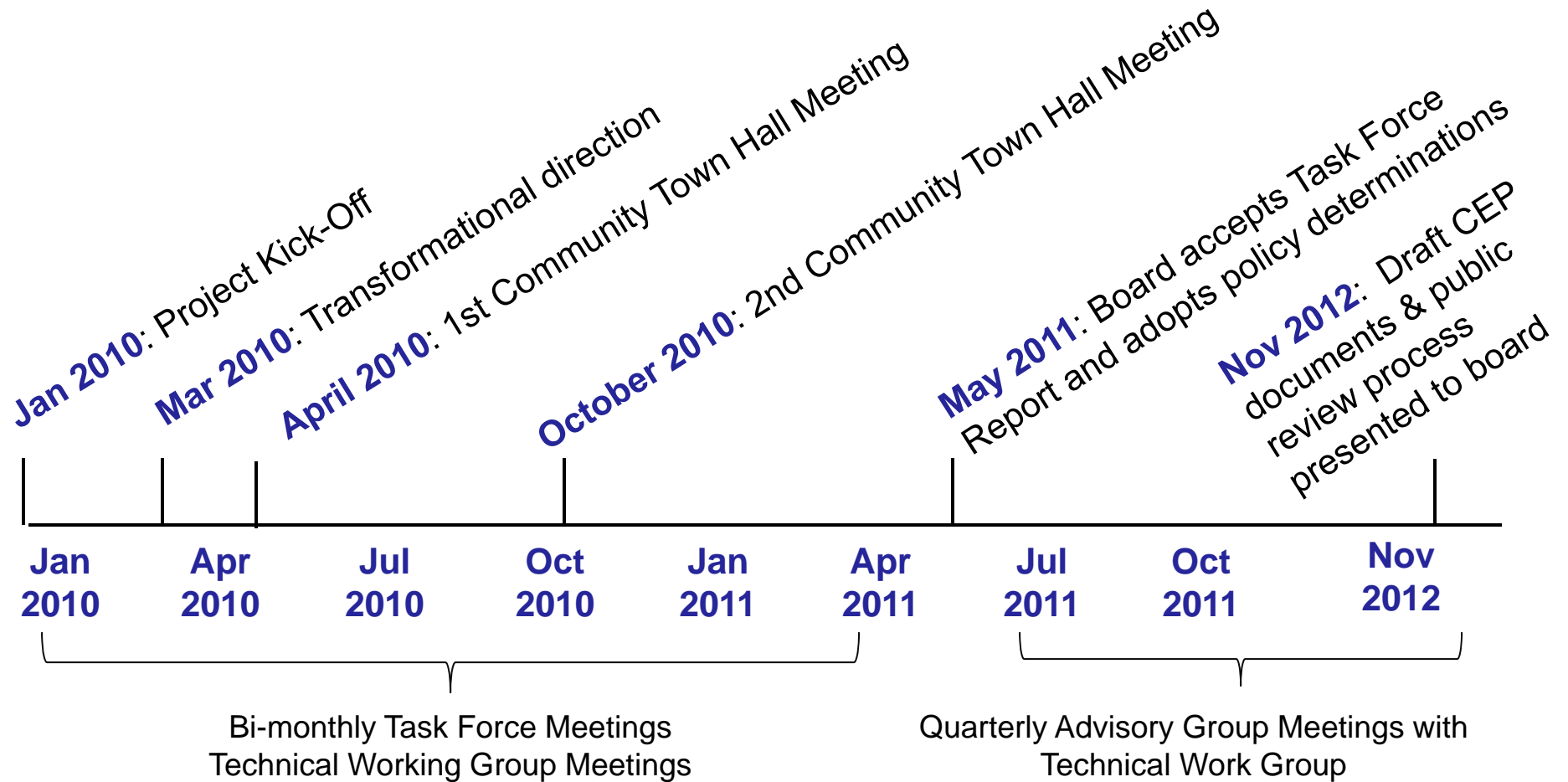


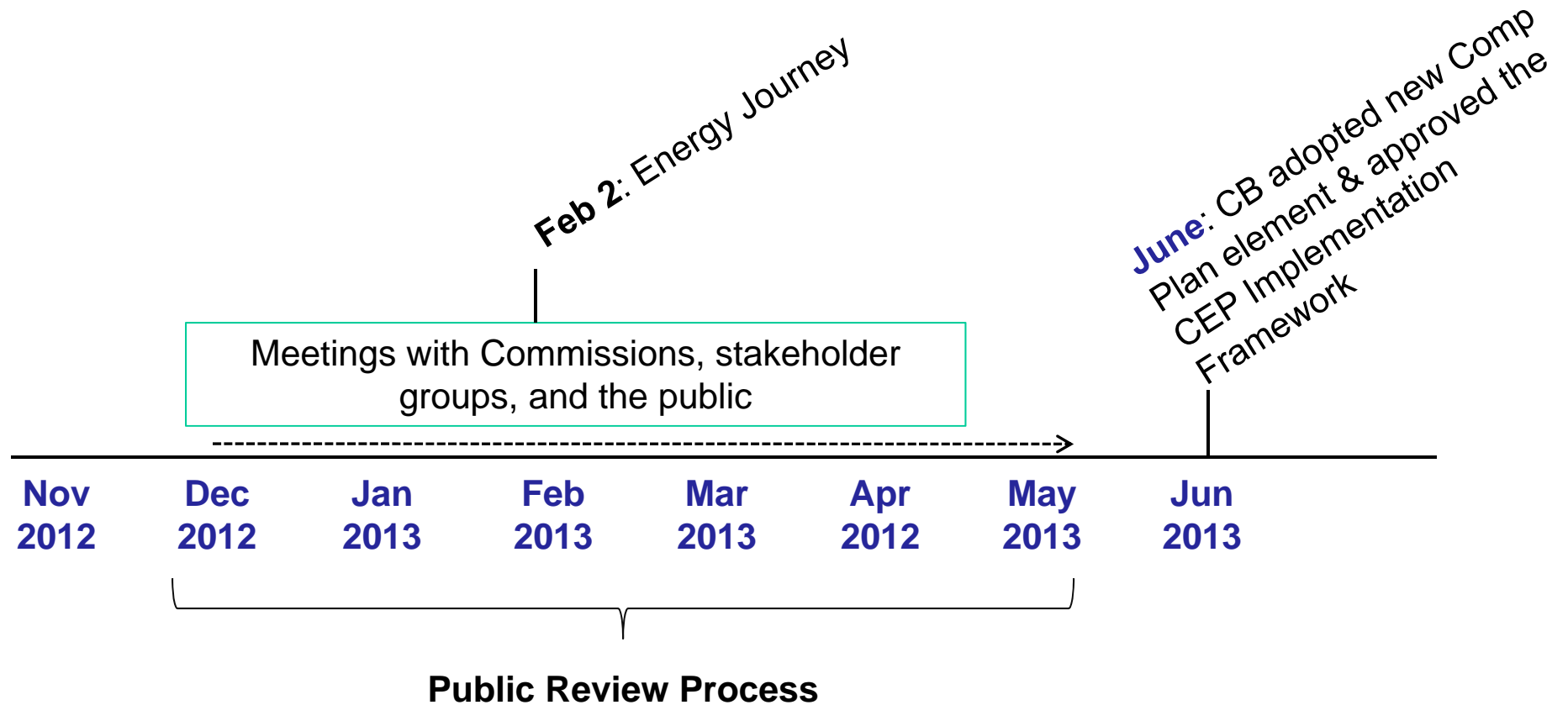
## Security

- Supply quality
- Fuel flexibility
- Community resilience

## Environment

- Greenhouse Gas Reduction
- Air quality





## **Engage with the diverse communities in a variety of ways**

- **Social and print media**
- **Commission meetings**
- **Stakeholder meetings, building and maintaining partnerships**
- **Community events**
- **Updated documents from feedback received**



*Community Energy Project*

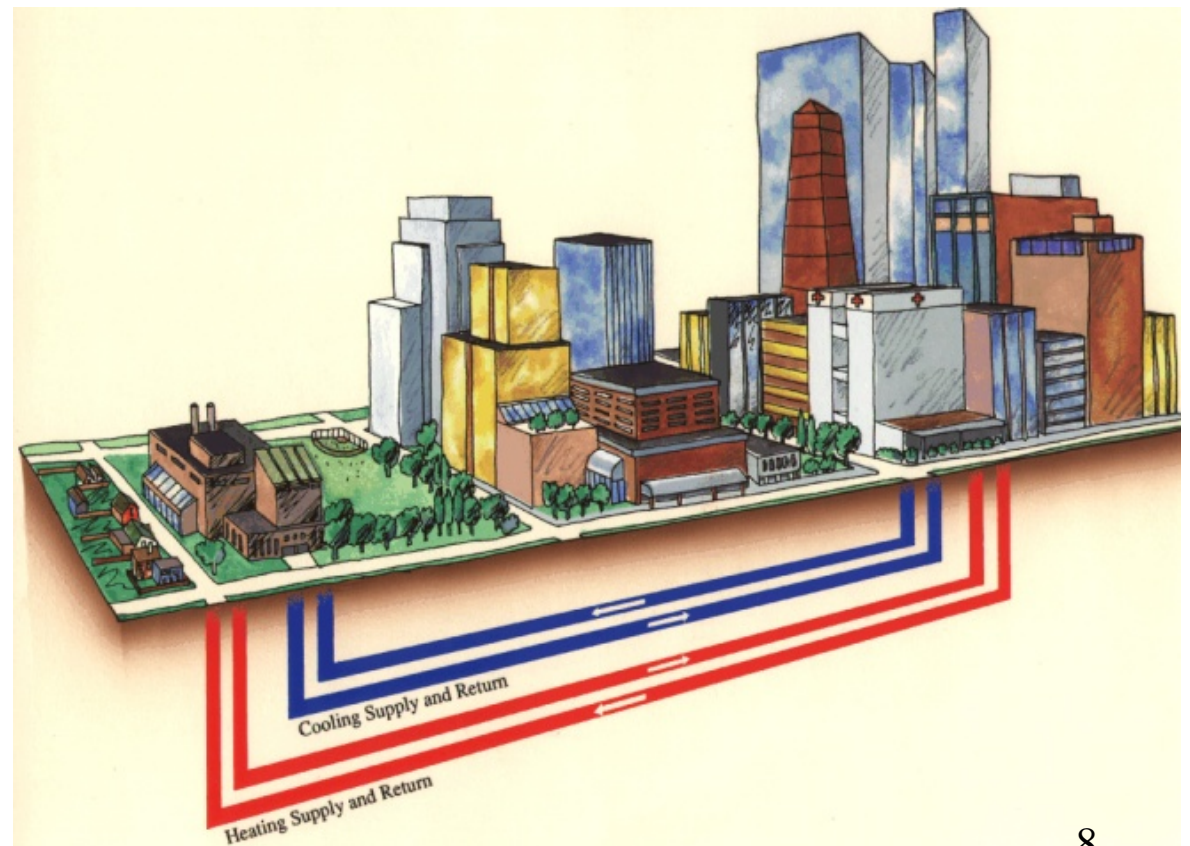
## Goal 1: Increase the energy and operational efficiency of all buildings

- Residential – 55% more efficient
- Non-Residential – 60% more efficient
- Reduce carbon intensity of fuels



## Goal 2: Increase local energy supply and distribution efficiency in Arlington using District Energy

- 104 MW combined heat and power (CHP)
- 450 MW of District Energy (DE)
- Infrastructure planning





## **Goal 3: Increase locally generated energy supply through the use of renewable energy options**

- **160 MW of solar electric (solar PV)**
- **Other renewables**



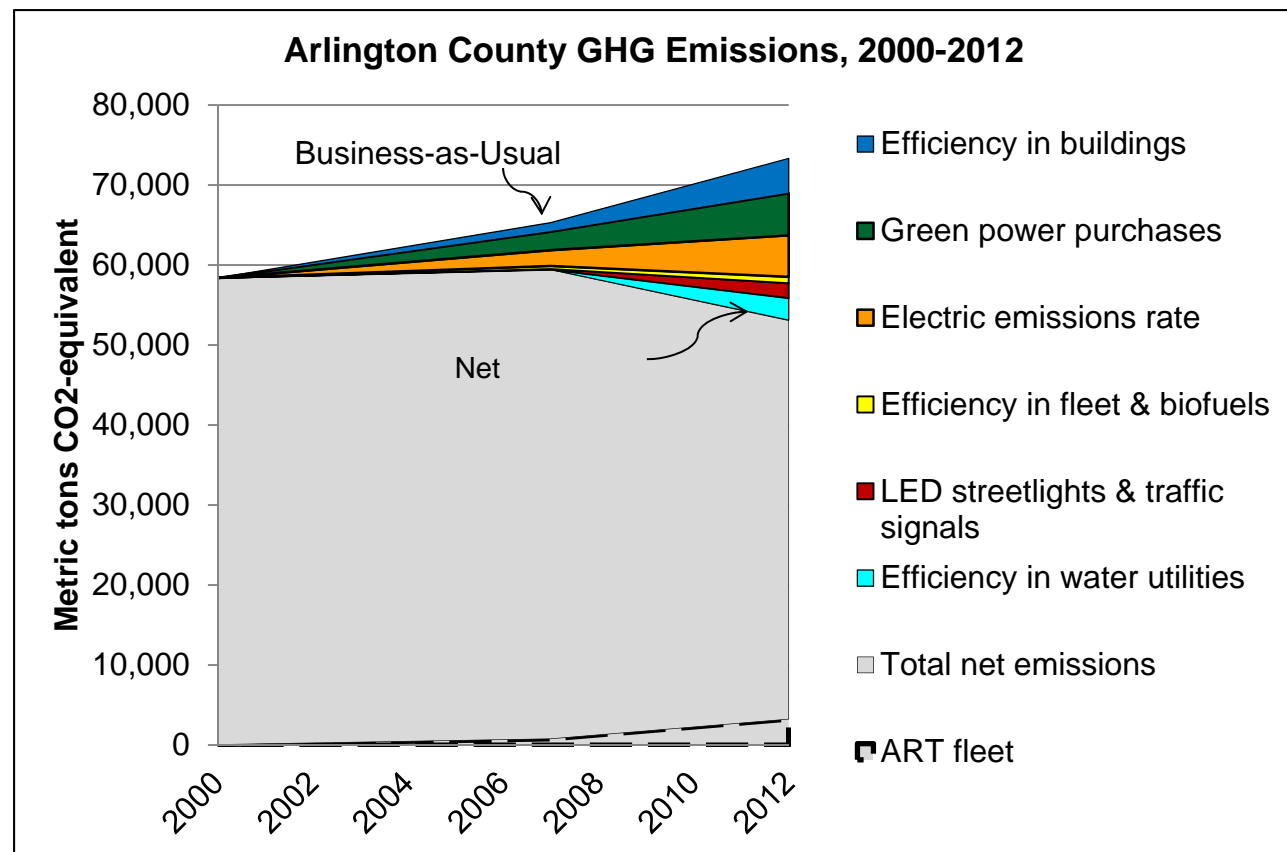
## Goal 4: Refine and expand transportation infrastructure and operations enhancements

- ~75% reduction in CO<sub>2</sub>e per capita emissions in this sector



## Goal 5: Integrate CEP goals into all County Government activities

- **~75% reduction in CO<sub>2</sub>e emissions in this sector**



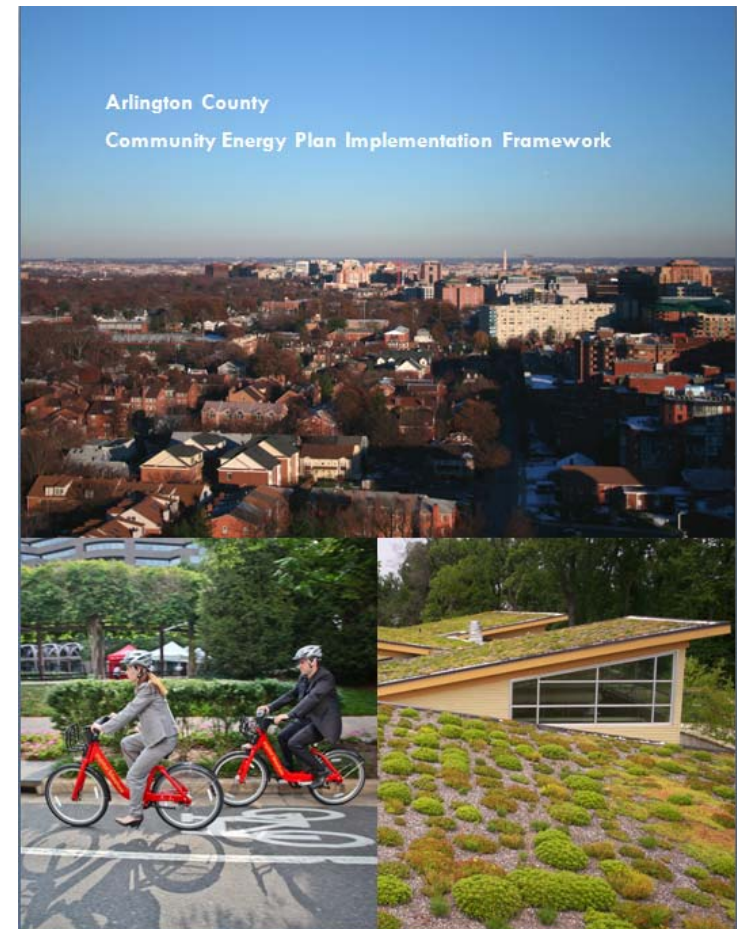
## Goal 6: Advocate and support personal action

- Empower individuals to reduce energy use
- Professional expertise
- Recognize extraordinary efforts

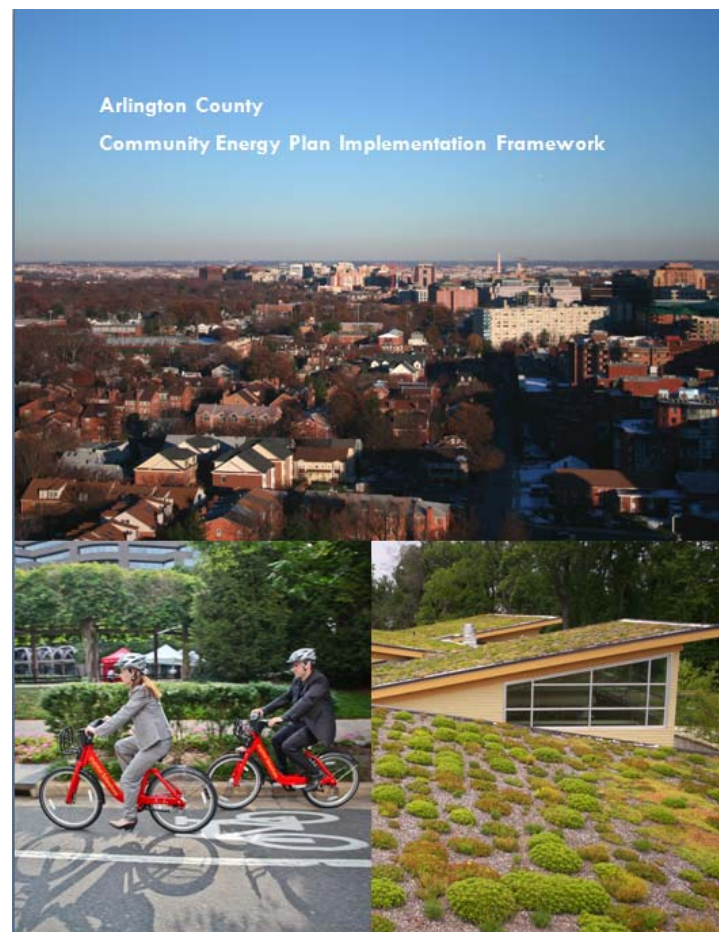


# CEP Implementation Framework

- **Approved by the County Board as an administrative guide for staff**
- **Illustrative set of examples**
- **Guidance for workplan(s)**



- **Includes options for implementation:**
  - **Strategies**, which represent possible approaches, and
  - A list of potential **tools**, which is neither exhaustive nor prescriptive
- **Develop financial tools**
- **Continue to raise energy literacy through education, events**



- **Develop work plans for all six Goal Areas**
- **County Operations Plan, 2020 goal**
- **Review Committee**

