## Mayor's Climate Council

May 17, 2021



## Agenda

- Mayor's remarks
- Review of process / past year
- Priorities and evaluation
- Next steps

## Mayor's Climate Council: Our Role

Provide high-level, cross-sector leadership to chart a path to reduce Knoxville Community emissions 80% by 2050.

1

Identify and prioritize emission reduction strategies.

2

Discuss opportunities and challenges for proposed actions.

3

Make final recommendations to inform City work plan and long-term vision.

## A starting point

Staff started with USDN High Impact Practices (HIPs)

- Draws upon leading Climate Action Plans and studies.
- Effective emission reduction strategies.
- Established by national local sustainability experts and practitioners.

#### What HIPs are not

- A blueprint to achieve our goals
- 100% comprehensive list of all possible mitigation strategies
- Reflective of unique Knoxville-area priorities



## Summary of the past year

# Mayor's Climate Council Timeline Nick-off - Inuspose and Sooping - Officingliss discussion - Presentations from Internation Internation

- 65 participants
- Over 35 community organizations
- 20 meetings
  - 6 executive
  - 14 working group
- **508** subject matter surveys (131 EWG, 377 public)

## Multi-pronged approach

When the updated work plan is finalized:

- 1. Public unveiling of plan; Update to City Council on priorities
- 2. Update City's website to reflect new plan priorities and additional metrics.
  - 1. Draw direct connection to budget and funding in a dynamic setting
  - 2. Highlight partner programs that support those goals
  - 3. Create and add trackers for additional metrics identified

## PAUSE

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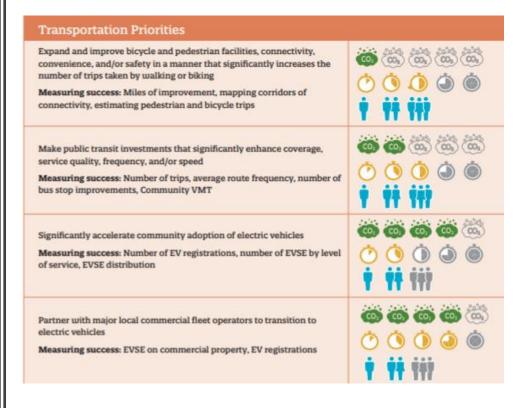
Questions about the past year and/or process?

**NEXT: Priorities & Evaluation** 

## Centering Equity

- The Equity Working Group:
  - (1) conducted several surveys to gather community input and
  - (2) applied screening questions to proposed strategies
- Three3 delivered to staff a memo summarizing EWG findings and recommendations in April.
- Staff deferred to EWG rankings overall.
  - Strategies "unlikely" to advance equity outcomes were removed with one exception.
  - Minor phrasing changes made (e.g. highly related priorities were combined)

### Priorities summarized



- Potential emission reduction
- Length of time experts thought it would take to start
- 3. Potential community benefit / likeliness to advance positive equity outcomes

## Priorities summarized

#### **Transportation**

- Expand bike/ped facilities
- 2. Make investments in public transit
- 3. Accelerate community adoption of EVs
- 4. Work with commercial fleets to transition

#### **Buildings/Energy**

- Commercial and multifamily energy reduction
- 2. Residential energy reduction
- 3. Amplify opportunities to invest in renewables
- 4. Promote opportunistic thermal electrification

#### <u>Waste</u>

- 1. Commercial organic diversion
- 2. Increase recycling
- 3. Promote consumption-reduction
- 4. Residential organic diversion

## Public theme alignment

#### **Transportation**

- 1. Expand bike/ped facilities (#1)
- 2. Make investments in public transit (#3)
- 3. Accelerate community adoption of EVs (#2)
- Work with commercial fleets to transition (N/A)

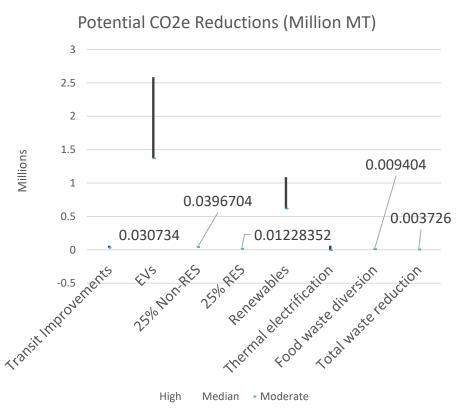
#### **Buildings/Energy**

- 1. Commercial and multifamily energy reduction (#3)
- 2. Residential energy reduction (#1)
- 3. Amplify opportunities to invest in renewables (#2)
- 4. Promote opportunistic thermal electrification (#4)

#### <u>Waste</u>

- 1. Commercial organic diversion (N/A)
- 2. Increase recycling (#2)
- 3. Promote consumption-reduction (#3)
- 4. Residential organic diversion (#1)

#### Strategy Evaluation (GHG potential)

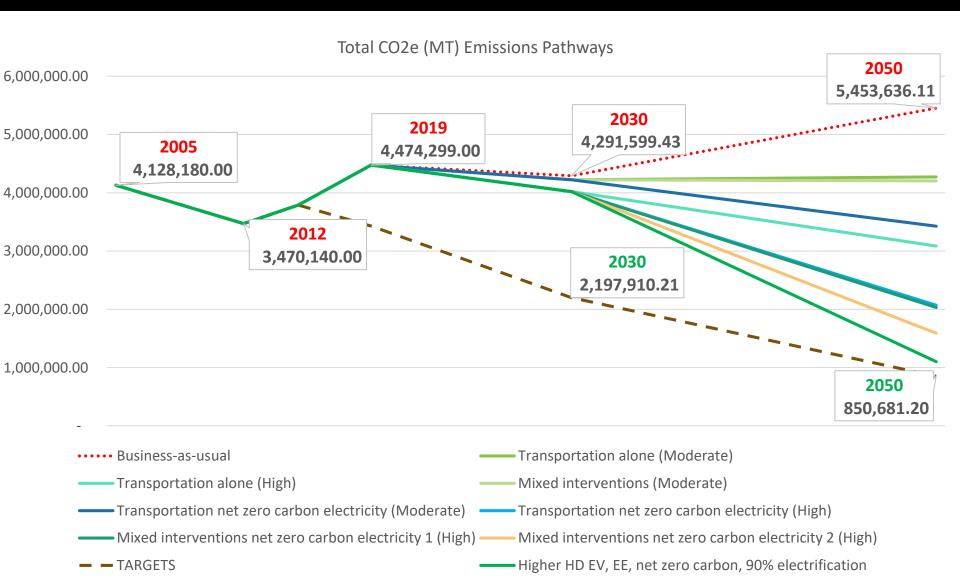


- Utilized available data or expert input.
  - Used existing studies (e.g. ORNL, PNNL, NREL, EPRI) and individual expert feedback.
  - Used growth models for energy consumption/sales and population.
- Ran approximately 20 individual iterations.

#### **Critical drivers**

- 1. Electrification of private transportation
- 2. Decarbonization of energy systems
  - 1. Electrification without significantly lower carbon electricity (NZC) is inadequate.

#### 2050 Scenarios

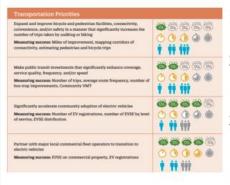


## Adoption

- 1. MCC comment through May 22
- 2. Public unveiling of plan; Update to City Council on priorities
- 3. Schedule next official meeting. Targeting late Fall for check-in (Nov/Dec 2021)
- 4. Build out Sustainability website to reflect new plan priorities and additional metrics.
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Does this feel right?

Is there anything you can't live with that you're hearing / have seen?

## Thank you!

Climate Council Website:

www.knoxvilletn.gov/climatecouncil/

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