



BREATHE

Reducing Emissions For A Resilient Region

ADVISORY COMMITTEE | DECEMBER 18, 2023

Today's Meeting

AGENDA

- BREATHE project updates
- CPRG recap & PCAP requirements
- GHG emission reduction measures
- Request for information

HOUSEKEEPING

- Recording may be posted
- Mute
- Q&A at end



BREATHE updates

DATA

Greenhouse Gas Inventory

- ICF developing methodology based on City of Knoxville community-wide inventories for 2005/2012/2015/2019
- ICF to develop GHG inventory for MSA & fact sheets

Priority Reduction Measures

- Project team compiling regional studies / plans / priorities

STAKEHOLDER ENGAGEMENT

- State CPRG (TVERS)

PUBLIC OUTREACH

- Website (knoxbreathe.org)



[Meetings](#) [Contact](#)

The U.S. EPA Climate Pollution Reduction Grant (CPRG) Program aims to reduce the emission of greenhouse gases and other air pollutants.

ABOUT

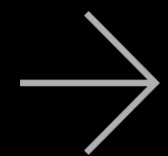
KNOXVILLE MSA

ADVISORY COMMITTEE

Reducing Emissions for a Resilient Region

The CPRG Program is a two-stage grant program that provides funding for non-competitive planning grants and competitive implementation grants to U.S. states, local governments, tribes, and territories to be used to reduce the emission of greenhouse gases and other air pollutants.

The Knoxville Metropolitan Statistical Area (MSA) was selected by the EPA to receive a \$1 million planning grant to create a regional emission reduction plan. The City of Knoxville is leading this effort in developing action plans for participating municipalities within the MSA. The Knoxville Regional Transportation Planning Organization (TPO) is partnering with them to facilitate outreach throughout the region.



EPA Climate Pollution Reduction Grant (CPRG) Program Knoxville MSA Advisory Committee Meeting



12/18/2023

Agenda

1. ICF Introductions
2. CPRG Background
3. PCAP Measure Development and Prioritization
4. Next Steps

Meet the ICF Team

- Global consulting and technology services provider
- 50+ years of energy and climate work
- 2K+ climate, energy, and environmental experts
- 100+ S&L clients supported in climate and energy planning



Emily Golla
Project Manager



Katie O'Malley
Technical Lead



Fiona Wissell
Project Advisor



CPRG Background

EPA Climate Pollution Reduction Grant Program

- The [Climate Pollution Reduction Grant \(CPRG\)](#) program provides grants to States, regions, and local governments to develop and implement plans for reducing greenhouse gas emissions and other harmful air pollution.
- Two-staged grant program
 - \$250 million for noncompetitive planning grants
 - \$4.6 billion for competitive implementation grants
- The City of Knoxville is managing [\\$1 million for MSA climate planning](#) for the Knoxville MSA, which consists of the following nine counties: Anderson, Blount, Campbell, Grainger, Knox, Loudon, Morgan, Roane and Union.
- ICF is supporting the City of Knoxville in developing their [Priority Climate Action Plan \(PCAP\)](#) and [Comprehensive Climate Action Plan \(CCAP\)](#), which are required deliverables of planning grant recipients.



CPRG Planning Grant Elements

- **Priority Climate Action Plan** (PCAP) minimum requirements, due March 1, 2024:
 - A simplified GHG inventory;
 - Quantified GHG reduction measures;
 - A low-income and disadvantaged communities (LIDAC) benefits analysis; and
 - A review of authority to implement.
- **Comprehensive Climate Action Plan** (CCAP), due summer-fall 2025:
 - A comprehensive GHG inventory;
 - GHG emissions projections (2030–2035 and 2050);
 - GHG reduction target setting;
 - Quantified GHG reduction measures;
 - A benefits analysis of co-pollutants;
 - A low-income and disadvantaged communities (LIDAC) benefits analysis;
 - A review of authority to implement;
 - A plan to leverage other federal funding; and,
 - A workforce planning analysis.

CPRG Implementation Grant Elements

- Implementation competition is the **second phase** of the CPRG program.
- Eligible applicants: **Lead organizations with CPRG planning grants and other state, municipal, tribal, and territorial entities.**
- Purpose: Implementation of GHG reduction measures from relevant **PCAPs developed** under CPRG planning grants.
- Grants **must implement GHG reduction programs, projects, and measures identified in a PCAP developed under CPRG planning grant.**
- GHG reduction measures may **reduce GHG emissions or enhance carbon removal.**
- Applications will be evaluated for benefits to low-income and disadvantaged communities.

Key Dates

February 1, 2024

Optional Notice of Intent to Apply Due

March 15, 2024

Deadline for Submitting Questions

April 1, 2024

OFO Closes and Applications Due

July 2024

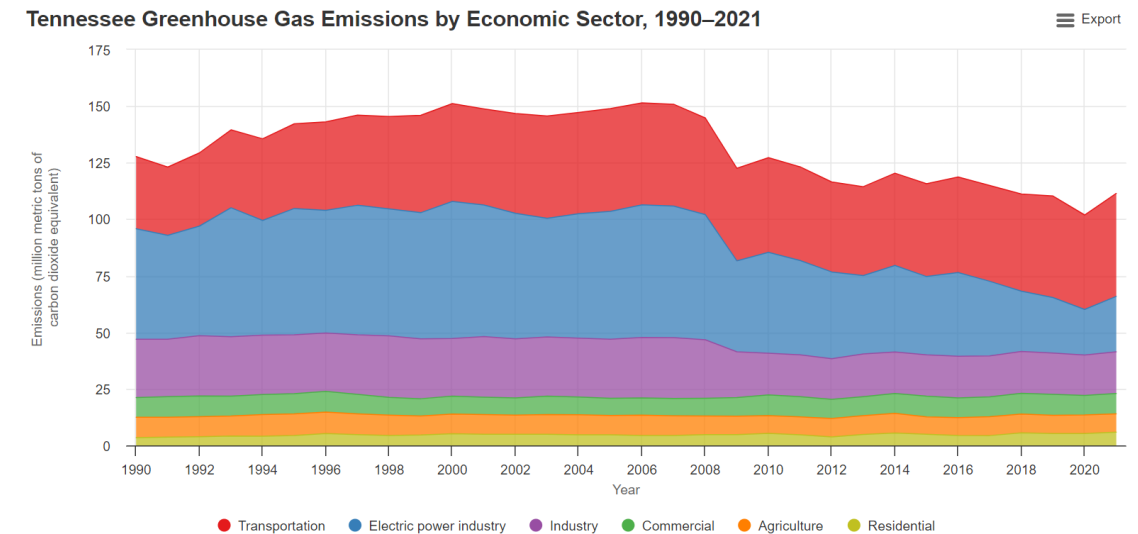
Anticipated Notification of Awards

October 2024

Anticipated Award

PCAP Overview

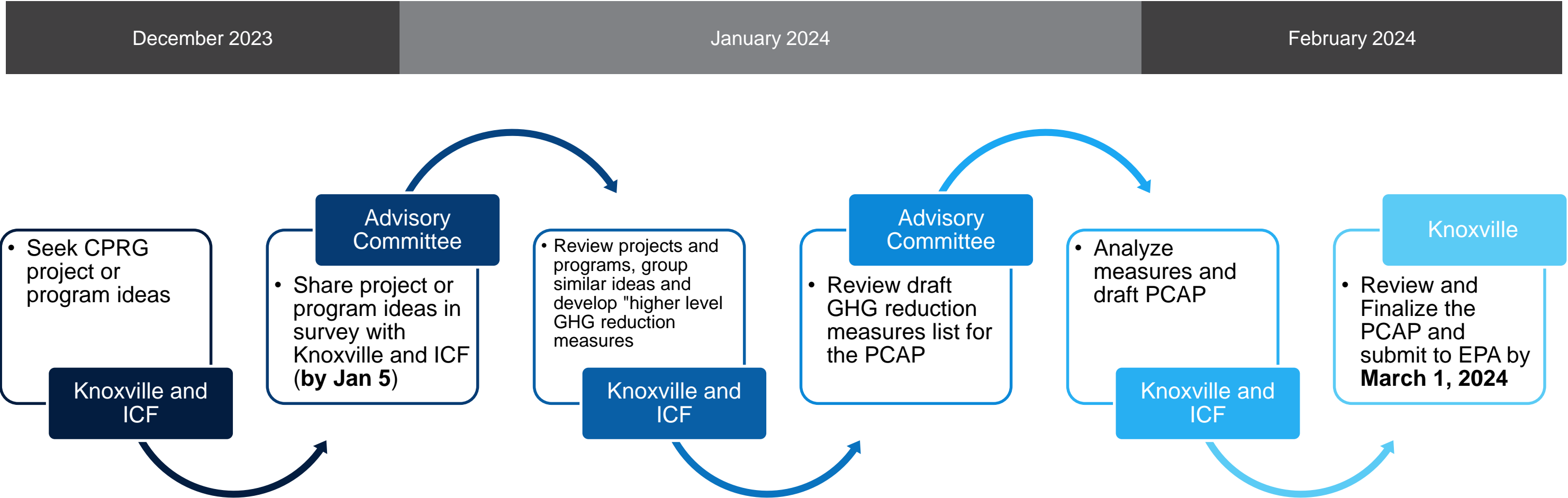
- Narrative report with focused list of **near-term (i.e., 2030), high-priority, implementation-ready measures** that have been identified for implementation by the lead organization and any other collaborating entities (e.g., municipalities, tribes).
 - **Prioritization considerations:** GHG impact, readiness to implement, scalability, equity, climate risks, co-benefits, cost effectiveness, NOFO evaluation criteria
- PCAPs can focus on **specific sector or selected sectors and measures** – comprehensive planning can/should be done within the longer time frame for the CCAP.
- PCAP measures can **build on existing programs or projects and/or provide new ideas.**
- Meant to **help prepare for implementation grant applications** by identifying regional priorities, developing information for the GHG reduction measures that may inform implementation grant applications, and facilitating stakeholder relationships to support future implementation efforts.
- **Applications for implementation grants must seek funding to implement programs/projects that are covered by a PCAP measure** – therefore understanding of NOFO evaluation criteria will help guide PCAP measure development and selection.





PCAP Measure Development and Prioritization

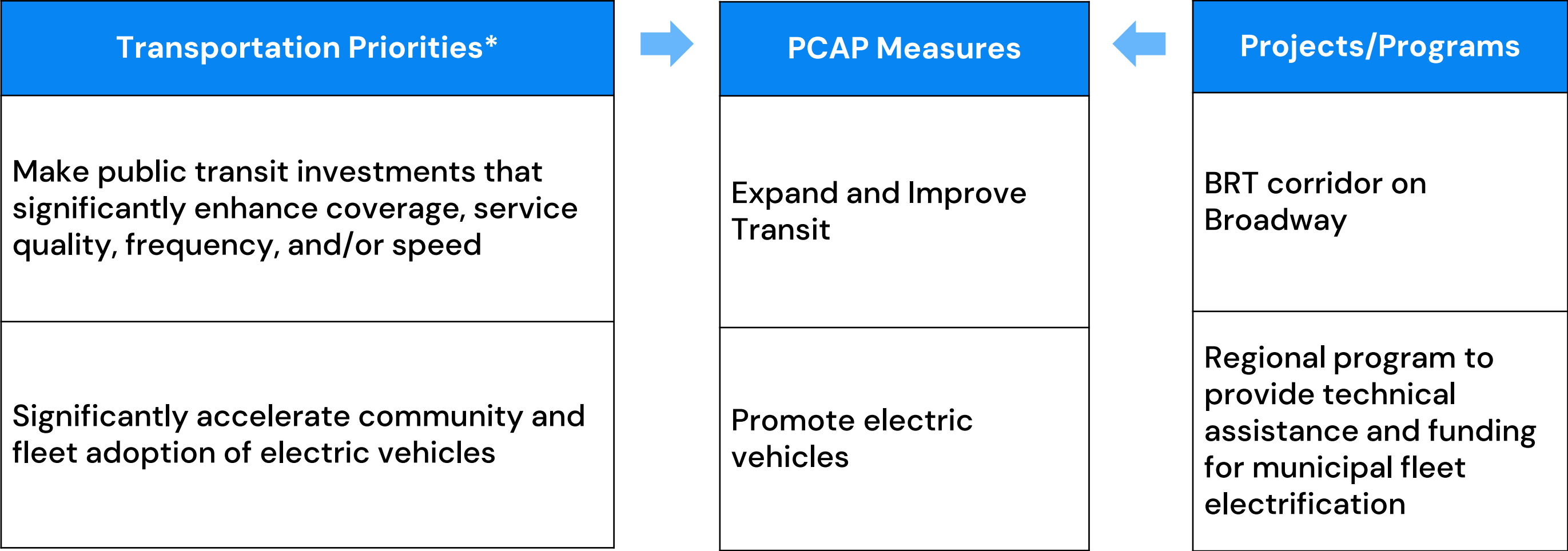
Selecting PCAP GHG Reduction Measures



GHG Reduction Measure Sectors and Examples

Eligible Sector	Example Measure
Transportation	<ul style="list-style-type: none">• Promotion of electric vehicles and charging infrastructure• Updating building and zoning codes for sustainable development
Electric Power	<ul style="list-style-type: none">• Installation of renewable energy on municipal facilities• Streamlining permitting for renewable energy projects
Buildings	<ul style="list-style-type: none">• Programs to promote building electrification• Adoption of up-to-date energy codes
Industrial	<ul style="list-style-type: none">• Programs to support implementation of energy efficiency measures in industry (e.g., equipment upgrades)
Waste, Water, and Sustainable Materials Management	<ul style="list-style-type: none">• Policies and programs to reduce construction and demolition waste through building reuse, deconstruction, and material diversion and reuse• Installation of renewable energy and energy efficiency measures at wastewater treatment facilities
Agricultural	<ul style="list-style-type: none">• Incentive programs to fund electric agricultural equipment technologies
Carbon Removal Measures	<ul style="list-style-type: none">• Urban afforestation and green infrastructure programs and projects

GHG Reduction Measure Development Example



**From City of Knoxville Mayor's Climate Council / 2021 Energy & Sustainability Work Plan*

Document Request and Review

Key planning documents include:

- [2021 Energy and Sustainability Work Plan](#)
- [Mobility 2045 Plan](#)

We need your input on other relevant documents to inform PCAP development!



PCAP Survey Preview

To confirm/prioritize PCAP measures looking for project and program ideas including:

- Project concept title, description, and sector(s)
- Strategy title (from identified strategies)
- Direct project/program or supportive of other?
- Policy requirements, is project currently feasible?
- Approach to implementation
- Lead agency and legal authority (include collaborating agencies)
- Budget/Cost and how funding to be leveraged
- Details on GHG, LIDAC, equity, and workforce impacts (plan to assess)
- Expected outputs and outcomes (results and effects of program/project)



Next Steps

Immediate Next Steps

- ✓ Align project schedule and engagement activities with the City of Knoxville and TPO
- ✓ Work with the City of Knoxville and Advisory Committee to identify and prioritize GHG reduction measures for the PCAP (information collected via survey and email)
 - **Survey this week, due Jan 5**
- ✓ Determine method for GHG inventory and begin to collect data
- ✓ Begin outlining the PCAP

THANK YOU!

Emily Golla

Project Manager

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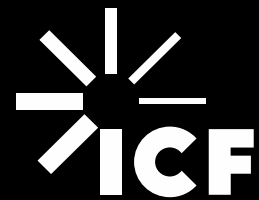
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About ICF

About ICF ICF (NASDAQ:ICFI) is a global consulting and technology services company with approximately 9,000 employees, but we are not your typical consultants. At ICF, business analysts and policy specialists work together with digital strategists, data scientists and creatives. We combine unmatched industry expertise with cutting-edge engagement capabilities to help organizations solve their most complex challenges. Since 1969, public and private sector clients have worked with ICF to navigate change and shape the future.



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: Questions?

Advisory Committee





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