Workshop 1 Agenda
Day 1: Part 2

I. Introductions
II. Climate Goals and Targets
III. GCoM Reporting Framework
IV. Project Plan
V. Climate Action Plan Elements
VI. Questions and Discussions
Introductions
GCoM Reporting Framework
The GCoM Common Reporting Framework

The Common Reporting Framework (CRF) was developed to streamline reporting procedures and ensure robust climate action planning, implementation, and monitoring.

The CRF provides flexibility to meet specific local and regional circumstances, while establishing a standardized platform for reporting and tracking progress.
Three levels of reporting are established to accommodate limitations in data availability and emissions sources:

1. **Mandatory** requirements, which must be fulfilled.
2. **Recommended** provisions, which represent global good practices.
3. **Optional** provisions, which provide alternatives for certain requirements.
Project Plan
Regional Climate Action Plan

The Kansas City Metro **Regional Climate Action Plan** will be developed by MARC with support from the Global Covenant of Mayors (GCoM) and the European Union’s International Urban Cooperation (IUC) program and technical assistance from BuroHappold Engineering.
The Regional Climate Action Plan will incorporate:

- Regional GHG inventory and “business as usual” (BAU) projections.
- GHG emission mitigation targets and low-carbon scenarios.
- Climate risk and vulnerability assessment and adaptation targets.
- Climate mitigation and adaptation actions.

What will the Climate Action Plan include?
## Project Timeline

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<th>Climate Action Plan Development Timeline</th>
<th>2019</th>
<th>2020</th>
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W = Workshops
Climate Action Plan Elements
Climate Action Plan Elements

1. GHG Inventory
2. BAU Projections
3. Mitigation Targets
4. CRVA
5. Adaptation Goals
6. Mitigation and Adaptation Actions
7. Climate Action Plan
GHG Inventory

**Mandatory:**
- GHG emissions from **stationary energy, transportation, and waste sectors**.
- GHG emissions from **energy generation** activities; not counted to GHG inventory total.
- Activity data and emissions factors for all sources, disaggregated by activity/fuel type.

**Recommended:**
- GHG emissions from industrial processes and product use (IPPU) and agriculture, forestry, and other land use (AFOLU) sectors, where significant.
- Emissions trading schemes (ETS) and distributed renewable energy generation.
- Use of activity-based emissions factors.

**Optional:**
- GHG emissions from upstream activities (e.g., out-of-boundary sources).
- Emissions trading schemes (ETS) and distributed renewable energy generation.
BAU Projections

Recommended:
• BAU scenarios using **local-specific parameters** (growth rates of local population, economy, sector-specific factors that drive emissions to change)

Optional:
• Using simplified parameters (such as national BAU scenarios and growth rates) in the absence of local specific parameters
GHG Reduction Targets

**Mandatory:**
- **Consistency** with GHG inventory emissions sources and boundaries.
- Use of a **target type** established by the GHG Protocol Mitigation Goal Standard (i.e., base year emissions, base year intensity, baseline scenario, or fixed level targets).
- Alignment with regional and/or national base year, target year, and level of ambition.

**Recommended:**
- Targets that are **more ambitious** than regional and/or national targets.
Climate Risk and Vulnerability Assessment (CRVA)

**Mandatory:**
- Identification of **most significant climate hazards** and description of associated risks, expected future impacts, and the sectors, assets, and services most affected.
- Identification of factors that will most affect **adaptive capacity** and description of how each factor supports or challenges it.
- Identification and description of previous major climate hazards and associated impacts.

**Recommended:**
- Information on vulnerable population groups most affected by climate hazards.
Adaptation Goals

Mandatory:
• Development based on the results of the climate risk and vulnerability assessment
• Goal statement including the baseline year as well as delivery date

Recommended:
• Stipulated plan to track progress toward the achievement of the goal

Optional:
• Assessment of adaptation goal robustness using the following criteria:
  • Completeness: a goal for every risk-imposing hazard
  • Internal coherence: alignment with identified risks
  • Quantification: measurable metrics/indicators
Climate Action Plan

Mandatory:
- Identification of **mitigation targets** and **adaptation goals**.
- Description of **actions** to achieve targets and goals, including GHG emissions reductions (for mitigation), implementation timeframe, responsibilities, and stakeholders involved.
- Description of **expected energy savings** and **renewable energy production** for each mitigation action, action area or sector.
- Synergies, trade-offs, and co-benefits of mitigation and adaptation actions.
- Description of stakeholder engagement processes.

Recommended:
- Prioritization of identified actions.
- An implementation plan including a financial strategy, cost, and responsible agencies for each action, action area, or sector.
- Key performance indicators or metrics for tracking progress.

Optional:
- Submission of separate plans for climate change mitigation and adaptation.
Next steps before Workshop 2

- Collect remaining data for GHG Inventory
- Determine methodology, collect data, and develop BAU Projections
- Create a Climate, Risk and Vulnerability Assessment
- Develop mitigation targets for the region
Climate Action Plan Elements

1. GHG Inventory
2. BAU Projections
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Climate Goals and Targets
Global Climate Goals

In 2015, the Paris Agreement was adopted by the United Nations as a truly global commitment to curb climate change. The goal of the Paris Agreement is to keep global temperatures from increasing more than 1.5°C above historical levels.
Climate Timeline: Why 2050?

Science experts tell us that any rise in global temperatures of more than 2°C from preindustrial levels would be catastrophic to our environment and safety.

To maintain warming below 1.5°C, the IPCC warns we need a **net zero carbon global economy by 2050**.

What does this mean for local governments?

- **NYC 1.5**: 40% by 2030; 80% by 2050 from 2005 baseline
- **MWCOG**: 40% by 2030; 80% by 2050 from 2005 baseline
- Some jurisdictions starting to explore carbon neutral by 2050
State Climate Goals

Missouri

- Comprehensive State-wide Energy Plan
  - Focus on Energy Efficiency and Affordability
- Missouri Commission on Global Climate Change and Ozone Depletion Recommendations Report, 1991
  - "The general themes of the policy recommendations focused on conservation, research and development, favorable financing and tax policies and education."

- No targets or goals

Kansas

- Currently no CAP or SEP
Local Climate Goals

- Kansas City, Missouri
- Johnson County, Kansas
- Douglas County, Kansas
Local Climate Goals – Kansas City, Missouri

*Greenhouse Gas Inventory and Climate Action Plan (2008)*

City-wide Goal:
- 2010: -10% from 2000 emission levels
- 2015: -20% from 2000 emissions levels
- 2020: -30% from 2000 emissions levels

Community-wide Goal:
- 2010: -0% from 2000 emission levels
- 2015: -15% from 2000 emissions levels
- 2020: -30% from 2000 emissions levels
- 2050: 80% reduction by 2050 (U.N. IPCC)

*Greenhouse Gas Inventory (2017)*

City-wide:
- 40% decrease from 2000 levels

Community-wide Goal:
- 21% decrease from 2000 levels
Local Climate Goals – Johnson County, Kansas

*Greenhouse Gas Inventory and Climate Action Plan (2007)*

County-wide Goal:
- 2020: -33% from 2005 emissions levels
- 2030: Net zero government used/occupied buildings

Community-wide Goal:
- 2050: 80% reduction by 2050 (U.N. IPCC)

*Greenhouse Gas Inventory (2013)*

County-wide:
- 1% increase above 2005 levels

Community-wide Goal:
- 3% decrease from 2005 levels

"Off-trajectory"
Local Climate Goals – Douglas County, Kansas

*Greenhouse Gas Inventory and Climate Action Plan (2008-2009)*

County- and Community-wide Goal:
- 2050: 80% reduction by 2050 (U.N. IPCC)
Discussion

• Work Planning and Roles
  o Inventory and forecast
  o Setting a target
  o CRVA (workshop day 2 and next steps)

• Where can BH be most helpful with technical support?
Thank you.

Questions?