

RESILIENCE: GOALS AND ACTIONS FOR REGIONAL 2030 CLIMATE AND ENERGY ACTION PLAN

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2030 Regional Climate Plan Timeline

2030 Action Plan Development Timeline	2019				2020									
	9	10	11	12	1	2	3	4	5	6	7	8	9	10
Regional GHG Inventory and BAU Projections			W											
Mitigation Targets and Low-Carbon Scenarios			W				W							
Regional Climate Risk and Vulnerability Assessment			W				W							
Climate Mitigation and Adaptation Actions							W							

W = Workshops

Global Covenant of Mayors (GCoM)

GCoM Pledge Commitments	Reduce/Limit GHG Emissions	Prepare for Climate Change Impacts	Increase Access to Sustainable Energy	Track Progress
CRF Reporting Elements	GHG Inventory			
	GHG Reduction Targets			
		CRVA		
	Climate Action Plan			Progress Report

CEEPC's 10 Guiding Principles

10 Guiding Principles of Collaborative Climate Planning

1. Collective Action	6. Transparency
2. Effective Partnerships	7. Innovation
3. Lead by Example	8. Community Leadership
4. Integration	9. Inclusive Engagement
5. Flexibility	10. Advocacy



CEEPC's 2020 Plan Action Areas

Regional Climate and Energy Action Plan's 9 Climate Action Areas

1. Reduce GHG Emissions	6. Move Toward Zero Waste
2. Reduce Energy Consumption	7. Build Regional Resilience
3. Increase Share of Renewables	8. Protect Equity and Health
4. Advance Sustainable Regional Mobility	9. Grow the Regional Economy
5. Increase Sustainable Urban Development	



Action List Review

- Regional Support Activity
- Main Area of Focus/Desired Outcome
- Driving Factors
- How Can COG Help?
- ...Local Actions...



Action Topic Areas

Topics:

- Regional Planning
- Information Sharing
- Regional Public Education
- Disaster Preparedness
- Critical Infrastructure
- Resilience Hubs
- Urban Heat Islands
- Equity
- Energy Access
- Vulnerable Populations



Resilience Goals for 2030

- **Goals:**
 - Support local climate adaptation actions through regional collaborative planning.
 - Prioritize critical infrastructure and achieve regional resilience by 2030.
 - Increase capabilities for regional information sharing & collaboration.
 - Build a regional public education campaign on climate adaption.
- **Sub Goals/Targets/Indicators:**
- **Tracking Progress**
 - How are we measuring progression towards these goals?

Regional Activities Groupings

- Guidance and Framework Materials
- Information Sharing
- Integrated Training Series
- Regional Public Education
- Capacity Building
- Regional Emergency Plans and Non-Emergency Plans
- Critical Infrastructure
- Resilience Hubs
- Microgrids
- Urban Heat Islands
- Equity
- Equitable Energy Access
- Vulnerable Populations Outreach Initiatives
- FEMA Pre-Disaster Mitigation Program and other funding

Questions for Plan Development

Questions to consider:

What measures are high priority that require a regional response?

What is COG's role to support achieving these goals?

What measures need to be completed immediately (1-3 years), midrange (3-5 years), and long-term (5-10 years)?

Regional Integration

Regional Support Activity

- Develop guidance and framework Materials.

Driving Factors

- Many programs across the region may benefit from regional coordination and sharing.

How can COG Help?

- Coordinate sharing of best practices and develop regionally appropriate resilient design guidelines.
- Provide regional distribution of federal and state practices and standards to facilitate consistency and coordination of approaches.
- Develop a regional consensus on projections on climate risks and definitions to use in planning.

Main Areas of Focus/Desired Outcome

Coordinate and share activities and findings to move towards enhanced local and regional capacity to address climate risks and vulnerabilities.

Capacity Building

Regional Support Activity

- Training series for climate resilience plan integration.

Driving Factors

- Continued interest and need to include climate resilience in various local, regional, and state plans.

How can COG Help?

- Grow resilience capabilities (workshops, committee meetings, etc.).
- Develop and implement a pilot training series.
- Continue cooperative efforts with NVRC, Silver Jackets, Army Corps, DoD, National Labs, Thriving Earth Exchange, Academic Institutions for planning, modeling, standards development, and education.

Main Areas of Focus/Desired Outcome

- Improved knowledge and skills about inclusion of climate risk and vulnerability and mitigation options in plans (Climate, Energy, Emergency Response, Stormwater, etc.).



Education Outreach

Regional Support Activity

- Support climate resilience outreach initiatives to vulnerable populations.

Driving Factors

- Vulnerable populations are most at risk for climate impacts.
- Benefit from regional coordination on best practices.

How can COG Help?

- Coordinate sharing of best practices and region-specific messaging.
- Further build partnerships with community groups to improve communication strategies.
- Coordinate translation services to support dissemination of climate risk and actions to non-English speaking populations.

Main Areas of Focus/Desired Outcome

- Improve communication methods of climate risks to vulnerable communities.



Disaster Preparedness

Regional Support Activity

- Update regional emergency and non-emergency plans.

Driving Factors

- Emergency Management Agencies want to have improve ability to address new and existing risks.

How can COG Help?

- Serve as regional repository for information.
- Review and update RESF-12 emergency response plans to reflect climate-driven response needs.
- Periodic meetings to build capacity.
- Assess funding opportunities for resiliency projects.
- Support efforts to expand properties with Federal flood insurance.

Main Areas of Focus/Desired Outcome

- Floods, energy security, infrastructure vulnerabilities, and opportunities.

Critical Infrastructure

Regional Support Activity

- Support measures to improve the resilience of critical infrastructure.

Driving Factors

- Many priority areas across the region impact multiple jurisdictions (airports, hospitals, etc.).

How can COG Help?

- Increase capacity to utilize FEMA Pre-Disaster Mitigation Program and identify other sources of funding.
- Support systematic planning for protection of critical infrastructure identified through the COG Critical Infrastructure Working Group.
- Share feasibility studies.
- Partner on risk studies.

Main Areas of Focus/Desired Outcome

- Increase resilience to existing critical infrastructure.

Microgrids

Regional Support Activity

- Support implementation of resilience microgrids.

Driving Factors

- Montgomery County Public Safety HQ
- Data Centers - Military/Federal
- Water Utilities - Hospitals
- Shelters

How can COG Help?

- Partner on grant applications, provide engineering contract support through regional contracts with local riders.
- Share best practices through regional meetings and materials (fact sheet, resource guides etc.).

Main Areas of Focus/Desired Outcome

- Deployment for critical infrastructure and for community purposes.

Resilience Hubs

Regional Support Activity

- Support establishment of resilience hubs.

Driving Factors

- Maryland Grant Program.
- DC HSEMA/DOEE are developing programs.

How can COG Help?

- Partner on grant applications, provide engineering contract support through regional contracts with local riders.
- Share best practices through regional meetings and materials (fact sheet, resource guides etc.).

Main Areas of Focus/Desired Outcome

- Critical infrastructure, pre-planned community support.

Urban Heat Islands

Regional Support Activity

- Foster regional coordination to address urban heat island.

Driving Factors

- Urgent need to combat extreme heat and to prioritize the most vulnerable communities and populations in the region.

How can COG Help?

- Support urban heat island and vulnerability mapping through partnerships with NOAA, NASA, and other organizations.
- Prioritize implementation strategies.

Main Areas of Focus/Desired Outcome

- Increase local capacity to better mitigate urban heat islands.

Equity – Energy Access

Regional Support Activity

- Support equitable energy access.

Driving Factors

- Need for equitable access to energy efficiency, renewable energy, and resiliency resources.

How can COG Help?

- Build off of the GCoM Energy Access initiative to define what equitable energy access means for communities across the Washington metropolitan area.

Main Areas of Focus/Desired Outcome

- Define what equitable energy access means for Washington metropolitan area.



Resilience Goals and Next Steps

- **Goals**

- Support local climate adaptation actions through regional collaborative planning.
- Prioritize critical infrastructure and achieve regional resilience by 2030.
- Increase capabilities for regional information sharing & collaboration.
- Build a regional public education campaign on climate adaption.

- **Next Steps**

- Circulate revised list reflecting feedback.
- Begin developing draft 2030 Plan Document.
- Re-Schedule In-Person Workshop or Work Together Virtually for further refinement.
- Share with other US Metro Scale Climate Leaders.
- Consider ways to incorporate local action support into the plan.



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