
CLIMATE ACTION PLAN FOR THE CHICAGO REGION

2021

Metropolitan Mayors Caucus | NOAA

Climate Action Plan (CAP) ReCAP

ASSESSMENTS

STAKEHOLDER ENGAGEMENT

GOAL SETTING, OBJECTIVES

STRATEGIES

DIALOGUE ABOUT ENGAGING & SUPPORTING CAP

Regional GHG inventory

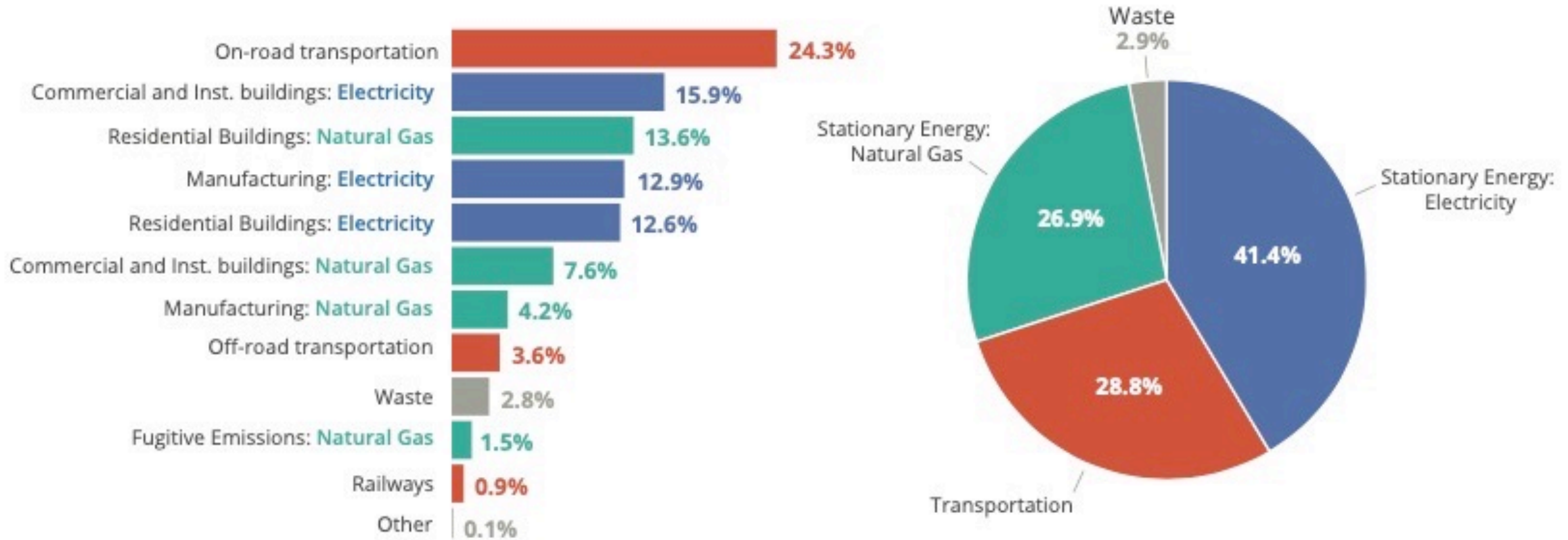
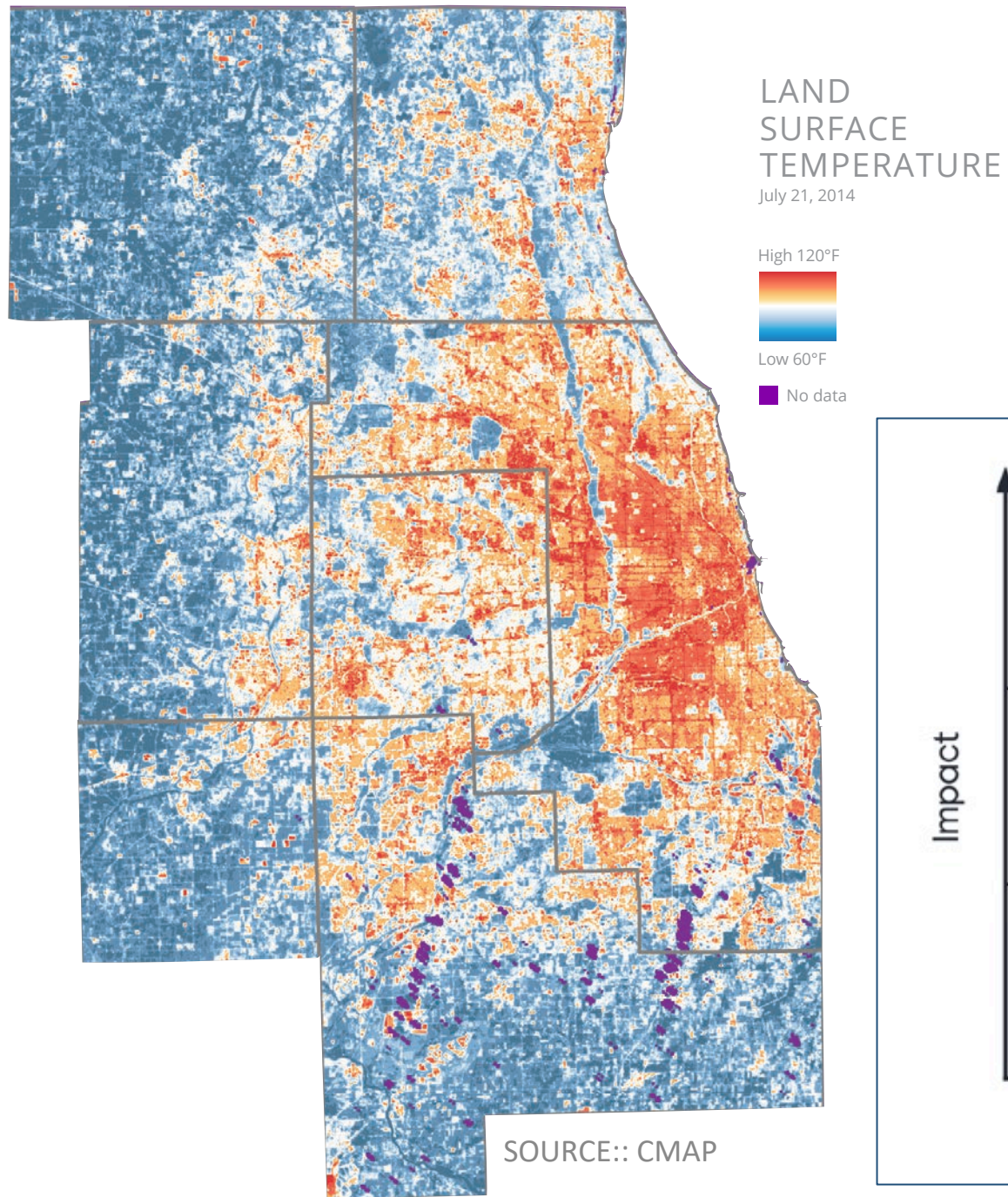
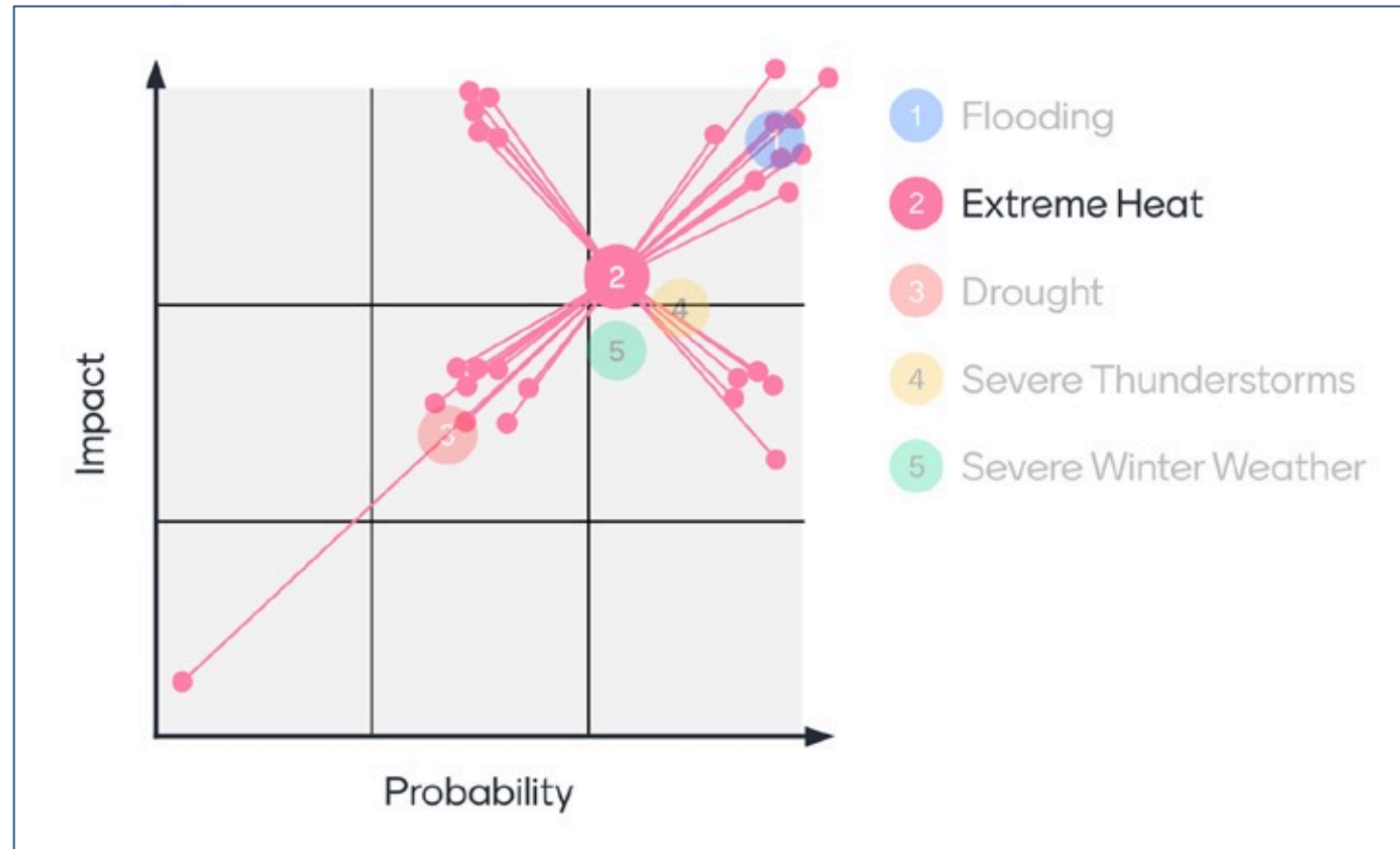


Figure 20. Greenhouse gas emissions in the Chicago region by subsector, 2015. Source: CMAP



Regional Climate Risk and Vulnerability Assessment





MITIGATION

ADAPTATION

EQUITY

Tailored for Municipal Action



LEAD

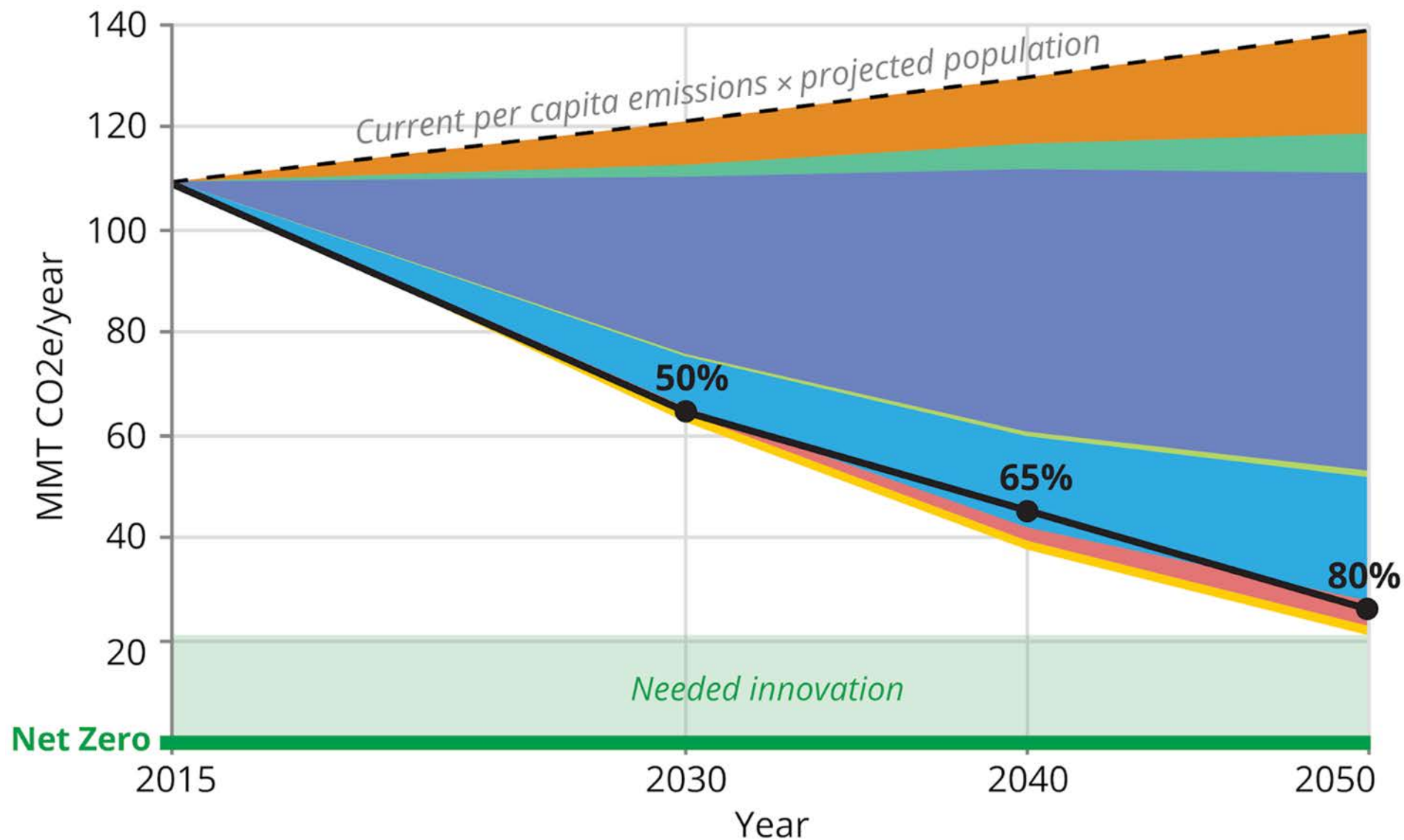


ENCOURAGE



ENACT

- Building Energy
- Clean Energy Policy
- Decarbonize Energy Sources
- Water and Waste
- Decarbonize Transportation
- Reduce VMT
- Sequestration



CLIMATE MITIGATION GOAL

Net zero greenhouse gas emissions

INTERIM TARGETS

2030 Reduce GHG emissions
50% from 2005 levels

2040 Reduce GHG emissions
65% from 2005 levels

2050 Reduce GHG
emissions at least 80% from
2005 levels

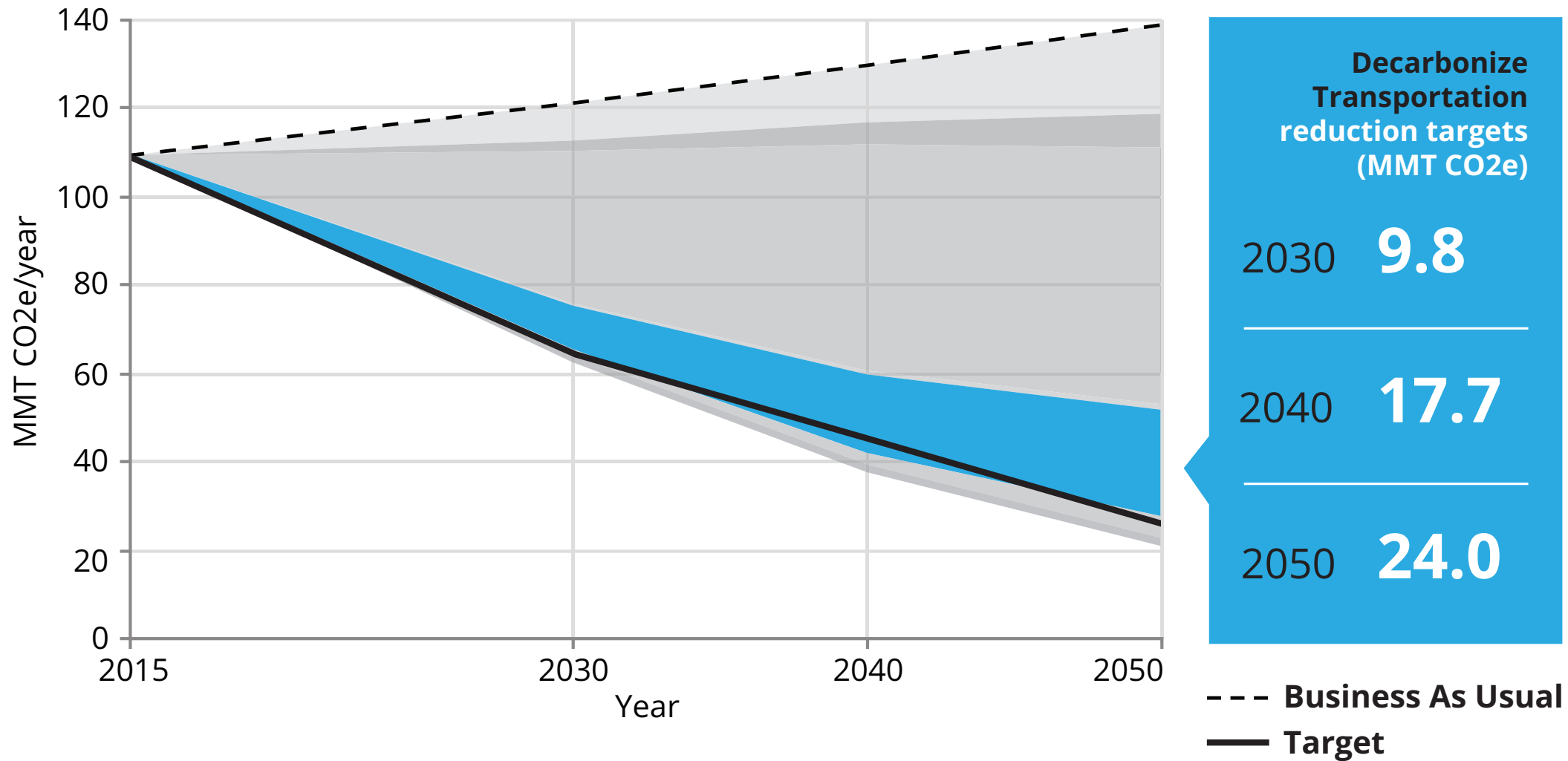
MITIGATION OBJECTIVES

1. Demonstrate Leadership to Reduce Emissions.
2. Decarbonize Energy Sources.
3. Optimize Building Energy.
4. Implement Clean Energy Policies.
5. Decarbonize Transportation.
6. Reduce Vehicle Miles Traveled.
7. Manage Water and Waste Sustainably.
8. Sustain Ecosystems to Sequester Carbon.






MITIGATION OBJECTIVES

1. Demonstrate Leadership to Reduce Emissions.
2. Decarbonize Energy Sources.
3. Optimize Building Energy.
4. Implement Clean Energy Policies.
5. Decarbonize Transportation.
6. Reduce Vehicle Miles Traveled.
7. Manage Water and Waste Sustainably.
8. Sustain Ecosystems to Sequester Carbon.







Decarbonize Transportation



Decarbonize Transportation

	Strategy	Municipal Role	Cost	Effort Required
a	Create accessible and reliable networks of electric vehicle (EV) chargers.	 LEAD  ENCOURAGE	\$\$	High
b	Adapt development processes to accelerate investment in EV charging infrastructure.	 ENACT	\$	Med
c	Transition fleets to low and zero-emission vehicles and encourage the switch to electric passenger vehicles.	 LEAD  ENCOURAGE	\$\$	High

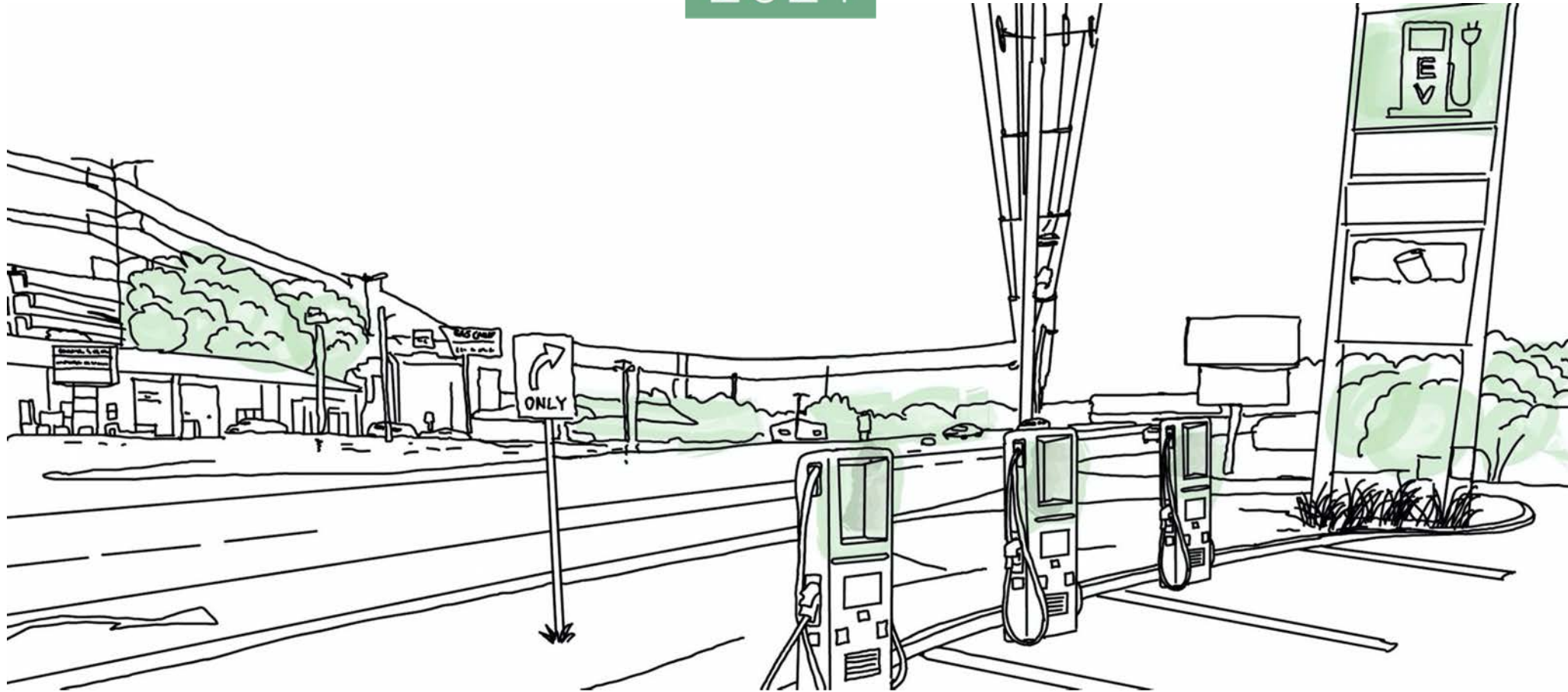
5. DECARBONIZE TRANSPORTATION

	Strategy	Municipal Role	Solution Status	GHG Reduction Potential	Cost	Effort Required	Lead Partners & Resources	Achieve Equity	Outcomes (Co-benefits)
a	Create accessible and reliable networks of electric vehicle (EV) chargers.	 LEAD	Evolving	Enabling	\$\$	High	IEPA, IDOT, CMAP, electric utility, EV industry, employers, property owners, businesses	Provide access to clean transportation for all, focus on EV infrastructure for workplace and multi-family dwellings; protect vulnerable residents from tailpipe emissions.	Electric vehicles displace internal combustion vehicles
b	Transition fleets to low- and zero-emission vehicles and encourage others to do so. Encourage the switch to electric passenger vehicles.	 LEAD  ENCOURAGE	Evolving	High	\$\$\$	Med High	IEPA, CTA, Pace, Metra, school districts, public and private fleet operators, nonprofits		Clean, quiet transit and service vehicles; reduced long-term fuel costs; reduced tailpipe emissions
c	Support strong national fuel efficiency standards.	 ENCOURAGE	Proven	High	¢	Low	Federal government		Reduced health impacts of tailpipe emissions
d	Enact and enforce anti-idling policies.	 ENACT	Proven	Low	\$	Low	School districts, transit agencies, institutions and venues		
e	Adapt development processes to accelerate investment in EV charging infrastructure.	 ENACT	Evolving	Enabling	\$	Med	IDOT, electric utility, EV industry, MMC		Accelerated investment in EV charging infrastructure; reduced soft costs, safe and effective EV charging systems

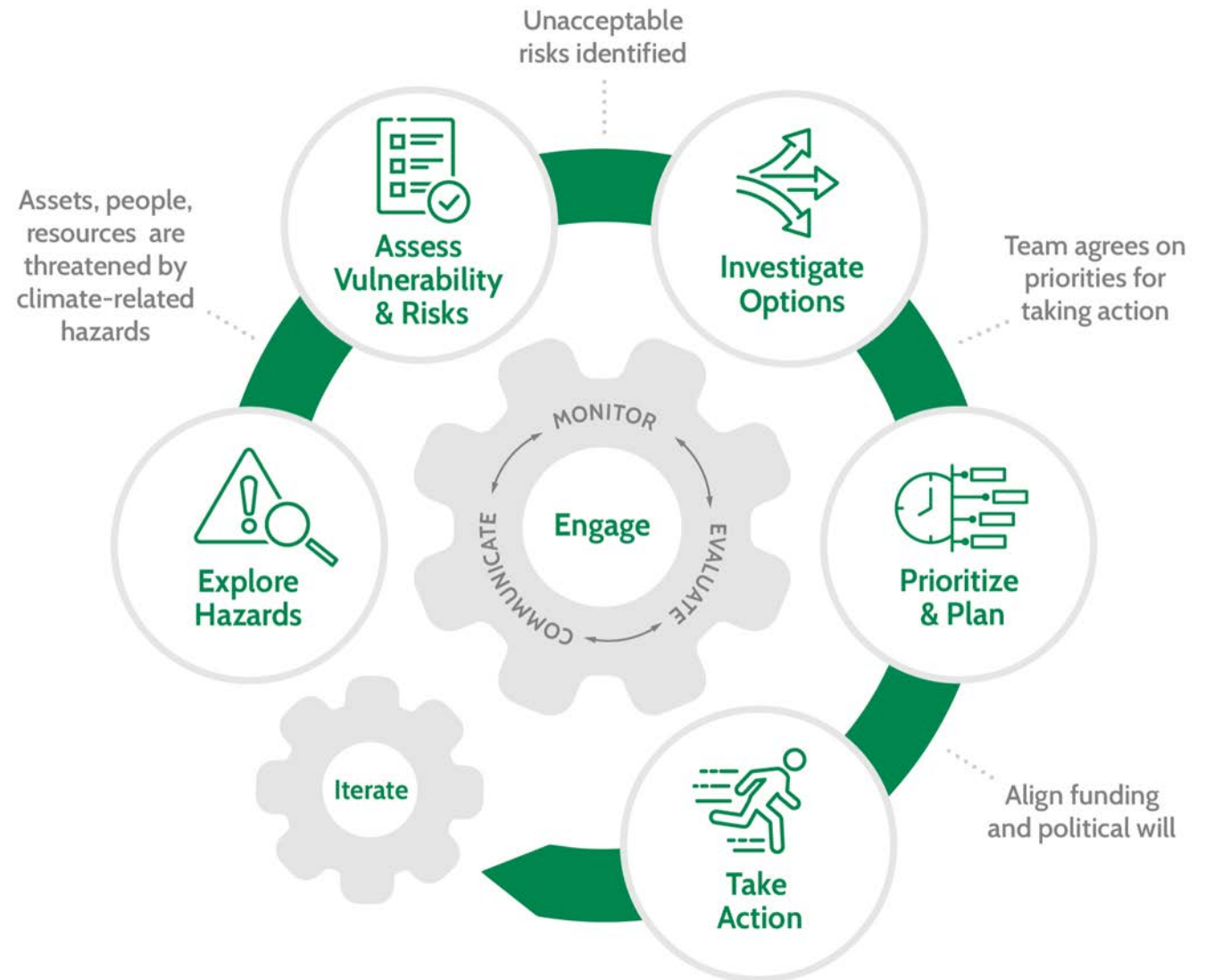


BUILDING RESILIENCE

2021



STEPS TO RESILIENCE





FLOODING AND HOMES



FLOODING AND TRANSPORTATION



STORMWATER AND INFRASTRUCTURE



HEAT AND HEALTH



AIR QUALITY, FLOODING AND PUBLIC HEALTH



DROUGHT AND WATER SUPPLY

CLIMATE ADAPTATION GOAL

Persistent, equitable climate adaptation

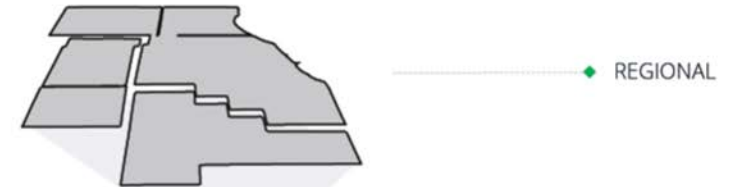
INTERIM TARGETS

2030 Climate-resilient governance






2040 Resilience across jurisdictions

2050 Cohesive, resilient communities


ACCELERATE EQUITY-CENTERED CLIMATE ACTION



ADAPTATION OBJECTIVES

-  Engage & educate the community about climate resilience & adaptation.
-  Incorporate equity & inclusion into climate adaptation efforts.
-  Collaborate & build capacity for a more resilient community.
-  Enact plans & policies focused on adaptation & resilience.
-  Adapt operations and investments for future climate conditions.







ADAPTATION OBJECTIVES

-  Engage & educate the community about climate resilience & adaptation.
-  Incorporate equity & inclusion into climate adaptation efforts.
-  **Collaborate & build capacity** for a more resilient community.
-  Enact plans & policies focused on adaptation & resilience.
-  Adapt operations and investments for future climate conditions.

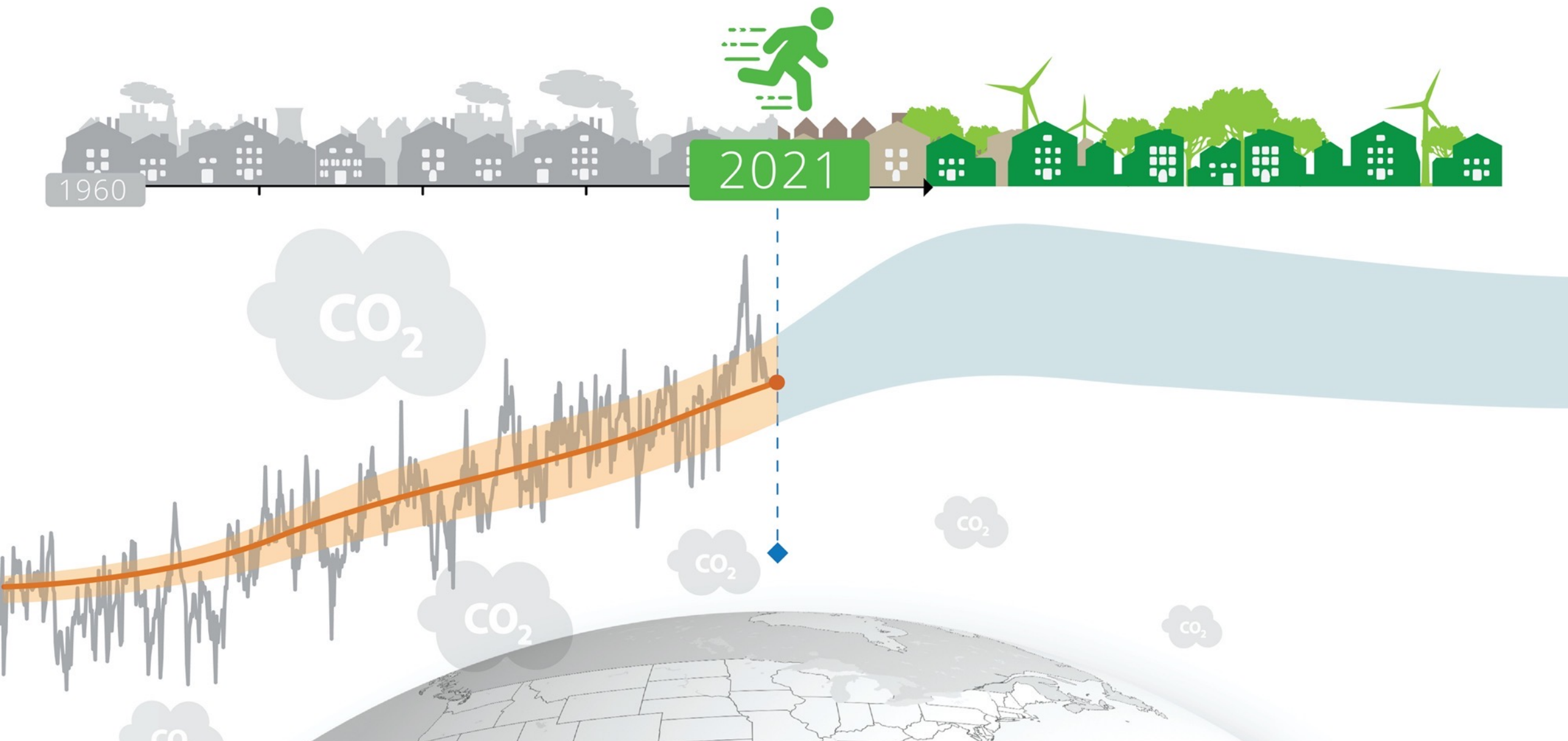
3. COLLABORATE AND BUILD CAPACITY FOR MORE RESILIENT COMMUNITY

SUSTAINABLE DEVELOPMENT GOALS ADDRESSED



Strategy	Overarching resilience	Heat & Health	Flooding & Homes	Stormwater & Infrastructure	Flooding & Transport	Drought & Water	Air Pollution & Health	Municipal Role	Solution Status	Cost	Effort Required	Lead Partners & Resources	Outcomes (Co-benefits)
a Coordinate resiliency efforts with federal, state and regional agencies.	x		x	x	x	x		 LEAD ENCOURAGE	Contingent	\$	High	FEMA, IEMA, EMA, MABAS, NIMS, IDNR, IDOT, CMAP, counties, public health agencies, park and forest preserve districts, utilities, SR, DRSC	Shared and leveraged resources, optimized efficiency and outputs; greater adaptive capacity; assets preserved
b Strengthen emergency and adaptation management skills among staff, civic leaders, and allied organizations.								 ENCOURAGE				FEMA, IEMA, NIMS, IAFSM,	
c Develop an emergency plan to move vital resources.													
d Monitor and share information.													
e Access and share information.													
f Facilitate compliance with standards by businesses.													
g Identify and mitigate risks.	 LEAD								Proven	\$			Med
h Manage public and ecosystem services and support biodiversity.												Watershed organizations, non-profits	protected, threats from stormwater and heat islands managed
i Collaborate to sustainably manage regional water supply.						x		 LEAD ENCOURAGE	Evolving	\$\$\$	High	ISWS, IDNR, CMAP, MPC	Water supply protected and conserved
j Monitor and protect water quality in private wells.						x		 ENCOURAGE	Evolving	\$	Med	BACOG, ISWS	
k Collaborate to sustainably manage stormwater.				x				 LEAD ENCOURAGE	Evolving	\$\$\$	High	U.S. EPA, FEMA, IEMA, IAFSM, stormwater agencies, SWCS, IDNR, counties, townships, park & forest preserve districts, IDOT & transportation agencies	Resources shared and leveraged; greater adaptive capacity, flood impacts reduced; assets preserved

Strengthen emergency and adaptive response skills among staff, civic leaders, and allied organizations.



CAP Next Steps

- Socialize CAP
- Foster Partnerships
- Regional Scale Implementation
- **Support Member Engagement**
- Design Supportive Programs
- Raise Funds

How would you like to engage with the

CLIMATE ACTION PLAN FOR THE CHICAGO REGION

2021

Metropolitan Mayors Caucus | NOAA

An aerial photograph of Chicago at sunset. The city's grid pattern is visible, with lights beginning to glow. Lake Michigan is in the background under a sky with orange and blue hues.

CLIMATE ACTION PLAN FOR THE CHICAGO REGION

2021

Metropolitan Mayors Caucus | NOAA

How would you like to express support for the CAP?

CLIMATE MITIGATION GOAL

Net zero greenhouse gas emissions

INTERIM TARGETS

2030 Reduce GHG emissions
50% from 2005 levels

2040 Reduce GHG emissions
65% from 2005 levels

2050 Reduce GHG
emissions at least 80% from
2005 levels

CLIMATE ADAPTATION GOAL

Persistent, equitable climate adaptation

INTERIM TARGETS

2030 Climate-resilient
governance

2040 Resilience across
jurisdictions

2050 Cohesive, resilient
communities

Resolution:

NOW, THEREFORE, BE IT RESOLVED that the City/Village of _____
endorses the Greenest Region Compact proposed by the Metropolitan Mayors
Caucus and agrees to work to achieve them, both in their own communities and in
collaboration throughout the region.

Compact:

To become the most sustainable and successful region in the United
States, they, therefore, support the following consensus goals of the
Greenest Region Compact and agree to work to achieve them, both in
their own communities and in collaboration throughout the region:

CLIMATE ACTION PLAN FOR THE CHICAGO REGION

2021

Metropolitan Mayors Caucus | NOAA

Membership and Branding



An aerial photograph of Chicago at sunset. The city's grid pattern is visible, with lights beginning to glow. The sky transitions from a deep blue at the top to a bright orange and yellow near the horizon. A thin white line is positioned above the main title.

CLIMATE ACTION PLAN FOR THE CHICAGO REGION

2021

Metropolitan Mayors Caucus | NOAA

Community-Scale Climate Action Planning

An aerial photograph of Chicago at sunset. The city's grid pattern is visible, with lights beginning to glow. The sky transitions from a deep blue at the top to a bright orange and yellow near the horizon. A thin white line is positioned above the main title.

CLIMATE ACTION PLAN FOR THE CHICAGO REGION

2021

Metropolitan Mayors Caucus | NOAA

Tracking and Reporting Progress

Planning a Sustainability Reporting Platform

Reporting & Tracking Task Force

Designing a Platform

Reporting Structure

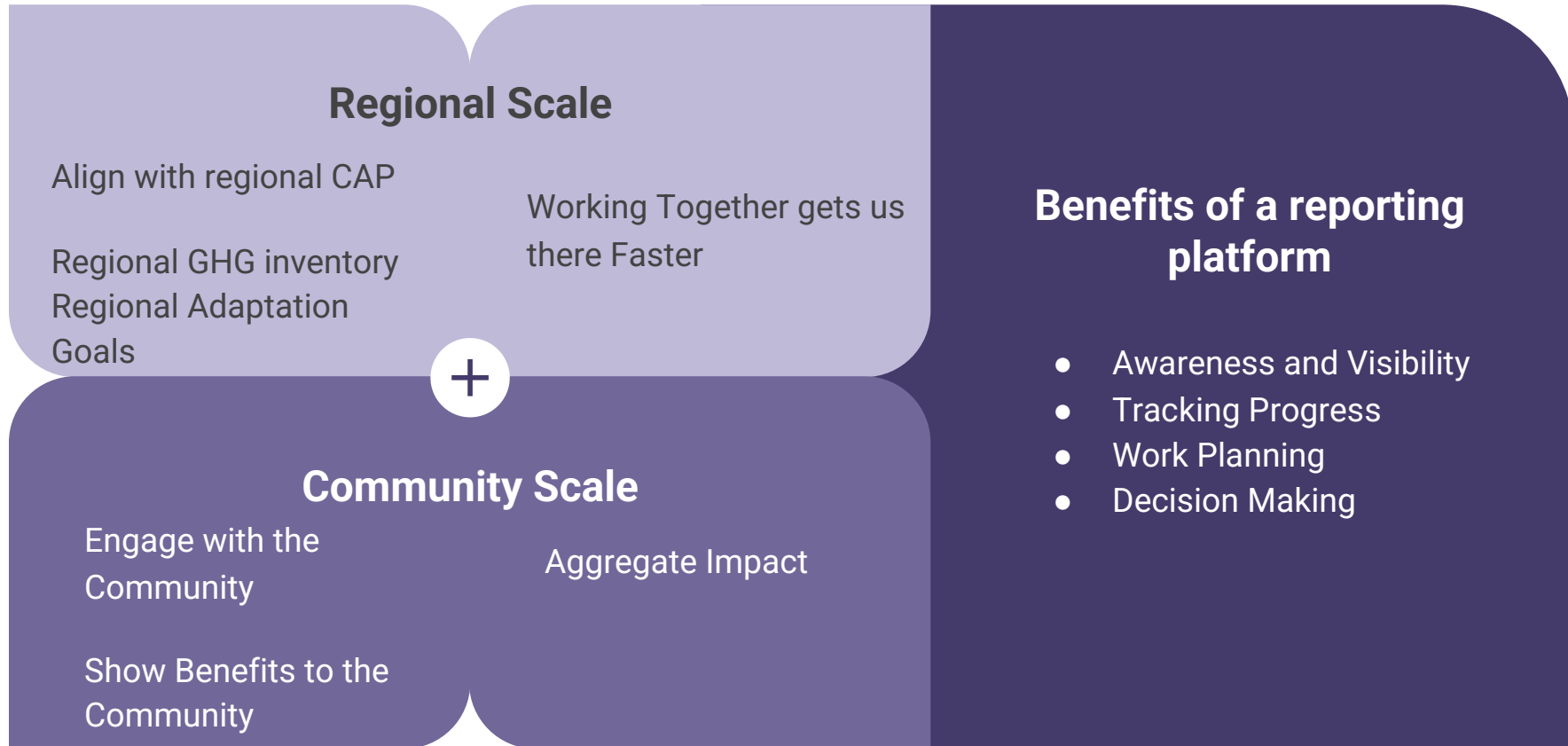
Certifications & Recognition

Streamlining Documentation & Metrics

Regional Collaboration



Value



“Without a rigorous effort to measure, report, and evaluate, programs will be less effective and not have the public support they need.”

- Warren Lavey, University of Illinois

Case Studies

An overview

Sustainable Jersey



www.sustainablejersey.com



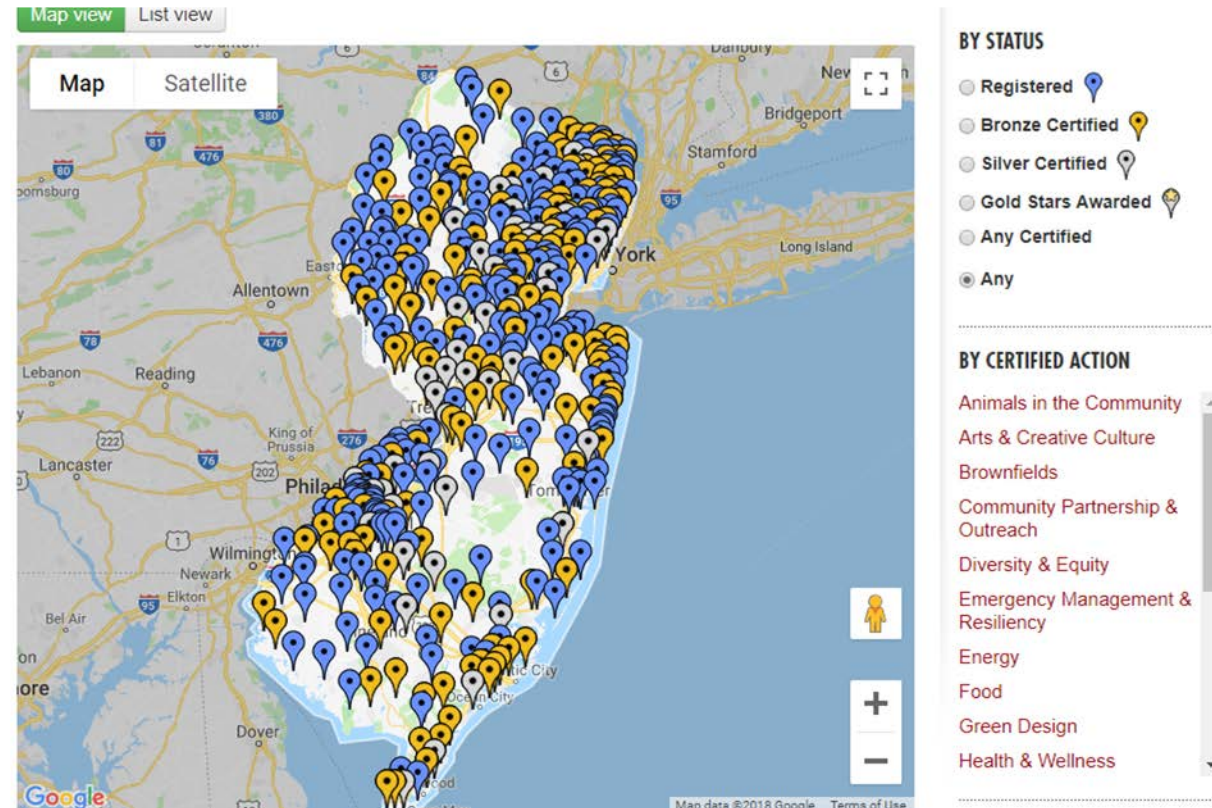
Bronze certification requires:

- Establishment of **mandatory green team**
- Implement 2 of 12 priority actions
- Complete actions in 6 of 18 categories
- Total of at least 150 points



Silver certification requires:

- Establishment of **mandatory green team**
- Implement 3 of 12 priority actions
- Complete actions in 8 of 18 categories
- Total of at least 350 points



Sustainable Jersey

Why is it important?

Who should lead and be involved with this action?

Timeframe

Project costs and resource needs

What to do, and how to do it ("How to")

What to submit to earn points for this action

Spotlight

Resources

 Print Action Description

 Download PDF Version

Home / Actions & Certification / Participating Communities

Island Heights Boro (Ocean) Profile

Registration Date	08/11/2009
Current Certification	bronze
Certified On	December 12, 2017
Approved Action Points	205
Certification Reports	Island Heights Boro - Dec 2017 Certification
Primary Contact	Jeffrey Silver 1 Wanamaker Complex Island Heights, NJ 08732 732-245-5149 (cell)
Secondary Contact	Ellie Rogalski 732-270-6415
Resolution	Download Resolution

ACTIONS & CERTIFICATION

[Why Get Certified?](#)

[Register](#)

[Certification Overview](#)

[Program Updates](#)

[Actions](#)

[Gold Star Standards](#)

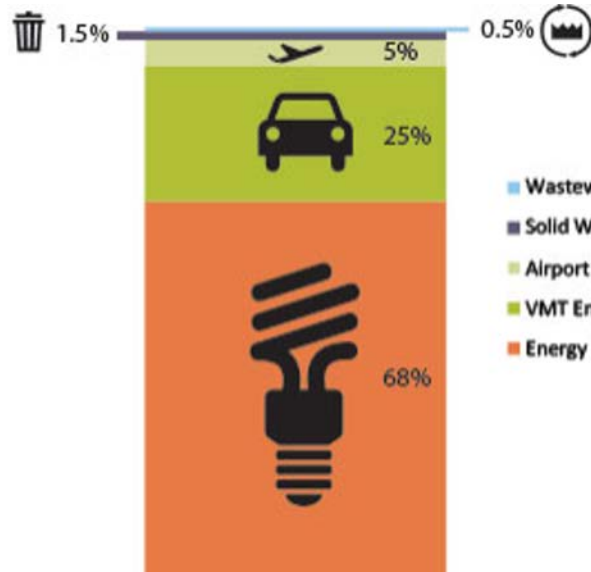
[Green Team Resources](#)

Participating Communities

[Gold Star Award Report](#)

[Annual Awards](#)

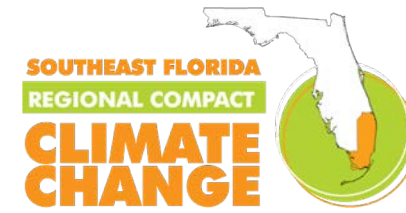
Minnesota GreenStep Cities



- Wastewater treatment Emissions
- Solid Waste Emissions
- Airport Share Emissions
- VMT Emissions
- Energy Emissions



Southeast Florida Regional Climate Change Compact



Explore the RCAP

Browse the recommendations by focus area.
Filter the recommendations to build your own implementation plan.

- Choose one or more dropdowns to filter recommendations based on your priorities.
- Download a custom implementation plan for your future reference.

I am in... I work in... I am interested in... **GO**

DOWNLOAD CUSTOM PLAN **RESET**

AGRICULTURE

Ensure the continued viability of agriculture in Southeast Florida in the face of climate change through policies and actions that encourage sustainable production, remove barriers to production, promote economic incentives, improve water reliability, and promote best management practices.

COMPACT COORDINATION

Strengthen coordination and collaboration in Southeast Florida on climate change issues by building the capacity of the Compact to meet evolving regional needs.

ENERGY AND FUEL

Reduce consumption of electricity and fuel and increase renewable energy capacity to increase regional resilience, reduce greenhouse gas emissions, and improve emergency management and disaster recovery.

NATURAL SYSTEMS

Implement monitoring, management, and conservation programs designed to protect natural systems and the services they provide to society while improving their capacity for climate adaptation.



SUSTAINABLE COMMUNITIES AND TRANSPORTATION

ST-4: Designate adaptation action areas



Designate adaptation action areas, restoration areas, and growth areas as a priority-setting tool for vulnerable areas, and as a means to maximize benefits to natural systems while guiding people and commerce to less vulnerable places in the region.

Use local government authority to designate or otherwise recognize adaptation action areas (AAAs) to identify areas deemed most vulnerable to sea level rise and other climate change impacts (including, but not limited to, extreme high tides, heavy local rain events, and storm surge) and provide funding and adaptation planning. Such areas may include:

- Areas below, at, or near mean higher high water
- Areas with a hydrological connection to coastal waters
- Areas designated as evacuation zones for storm surge
- Other areas impacted by climate-related drainage and/or flood control issues

Designate or otherwise recognize restoration areas in local comprehensive plans and post-disaster redevelopment plans to identify undeveloped areas vulnerable to climate change impacts. These undeveloped areas should be assessed and prioritized to maximize the benefits of natural systems, including:

- Environmental restoration
- Dune restoration
- Beach restoration
- Agriculture
- Natural resource conservation
- Recreational open space
- Stormwater retention areas

Local governments and appropriate regional planning authorities should prioritize land acquisition in these undeveloped AAAs. This land could also be established or acquired through mitigation or transfer of development rights initiatives.

Designate or otherwise recognize growth areas in local comprehensive plans and post-disaster redevelopment plans as areas outside of vulnerable areas where growth is encouraged due to higher topographic elevation and the presence of existing infrastructure, such as transportation, water, and sewer infrastructure. Growth areas should be developed with urban design guidelines that address the character of the urban place and provide a high-quality pedestrian experience through landscaping and the creation of public spaces.

Resources



Emerging Legal and Institutional Responses to Sea-Level Rise in Florida and Beyond



Adaptation Action Areas: Feasibility Assessment



Adaptation Action Areas Pilot Project Report



Adaptation Action Areas White Paper

CASE STUDIES



Adaptation Action Areas: Fort Lauderdale

[READ MORE](#)



Resilient Redesign: Dania Beach

[READ MORE](#)

MUNICIPALITIES THAT HAVE COMPLETED THIS RECOMMENDATION

Aventura
Boynton Beach
Briny Breezes
Coconut Creek

Hialeah Gardens
Hollywood
Homestead
Islamorada

Miramar
North Bay Village
North Miami
North Palm Beach


www.southeastfloridacclimatecompact.org

GRC-Based Reporting Platform



Advance renewable energy	E13	Support the adoption of renewable energy technologies in the community
	E13a	>Adopt codes and permitting practices that support renewable energy systems in the community

CAP Objective - Optimize Building Energy

CAP Strategy	Municipal Role	Solution Status	GHG Reduction Potential
Adapt zoning codes and streamline development processes to accelerate investment in solar and other renewable energy systems.	 ENACT	Proven	Enabling

Tracking Progress

Certification

- Earned SolSmart? Bronze, Silver or Gold?



Actions

- Policy, process and outreach action?
 - E.g., Solar landing page, expedited permitting



Metrics

- Number of PV permits issued
- kW capacity of PV systems
- GHG emissions reduced
- \$ value of PV construction
- Number of low-income and senior households w/PV



Advance renewable energy	E+17	+ Collaborate to provide access to community solar
--------------------------	------	--

CAP Objective – Decarbonize Energy Sources

CAP Strategy		Municipal Role	Solution Status	GHG Reduction Potential
a	Procure clean energy for municipal operations. Build renewable energy and energy storage capacity.	 LEAD	Evolving	High
b	Engage the community to choose clean energy through procurement, aggregation, financing, community solar, and other collaborative programs	 ENCOURAGE	Evolving	Enabling

Tracking Progress



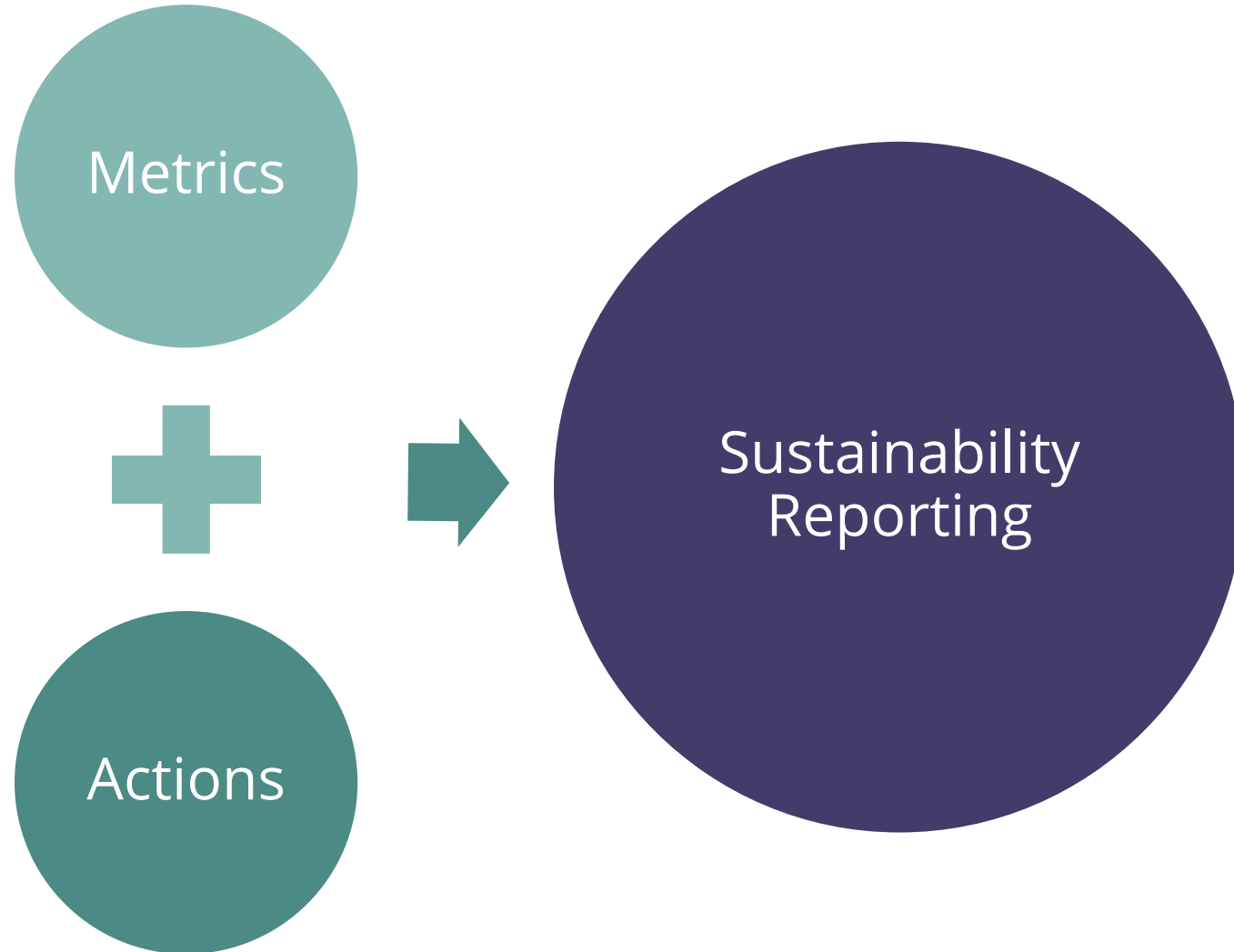
Actions

- Administrative actions to enroll in CS²

Metrics

- Number of households subscribed to community solar
- Number of public facilities subscribed to community solar
- kW of community solar demand
- GHG emissions reduced
- Cost savings to customers
- Number of low-income and senior households subscribed

Desired Reporting Structure



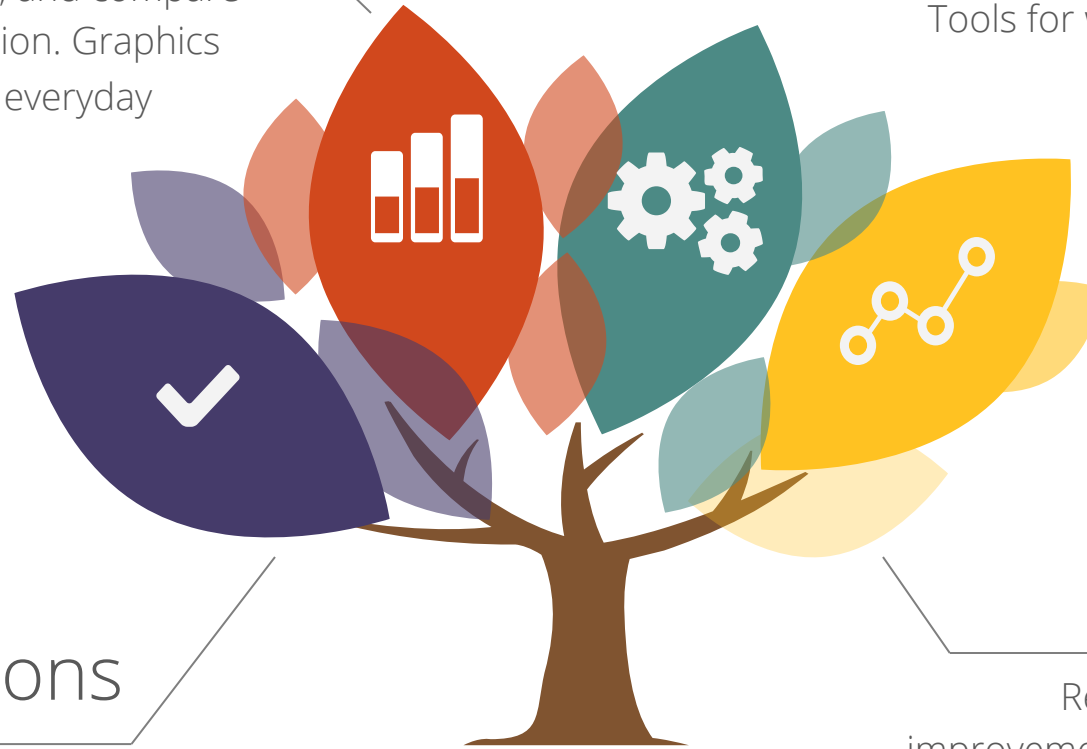
A GRC Reporting Platform

User-friendly Community Side

• Show where your community is, where the region is, and compare to others in the region. Graphics and relationship to everyday life is key

Easy & Effective Internal Side

• Simple forms that double dip with other reporting requirements. Tools for work planning, selecting by impact.



Certifications

• Straightforward documentation. Self certification. Bronze/silver/gold, rolling reporting, regional dashboard.

Metrics

• Require some metrics and improvement over time. Tie metrics to GHG reporting and regional collaboration.



CLIMATE ACTION PLAN FOR THE CHICAGO REGION

2021

Metropolitan Mayors Caucus | NOAA

Tracking and Reporting Progress

CLIMATE ACTION PLAN FOR THE CHICAGO REGION

2021

Metropolitan Mayors Caucus | NOAA

**Thank you, and let us know:
How can the CAP be useful to you?**