CITY OF EVANSTON

CLIMATE ACTION AND RESILIENCE PLAN

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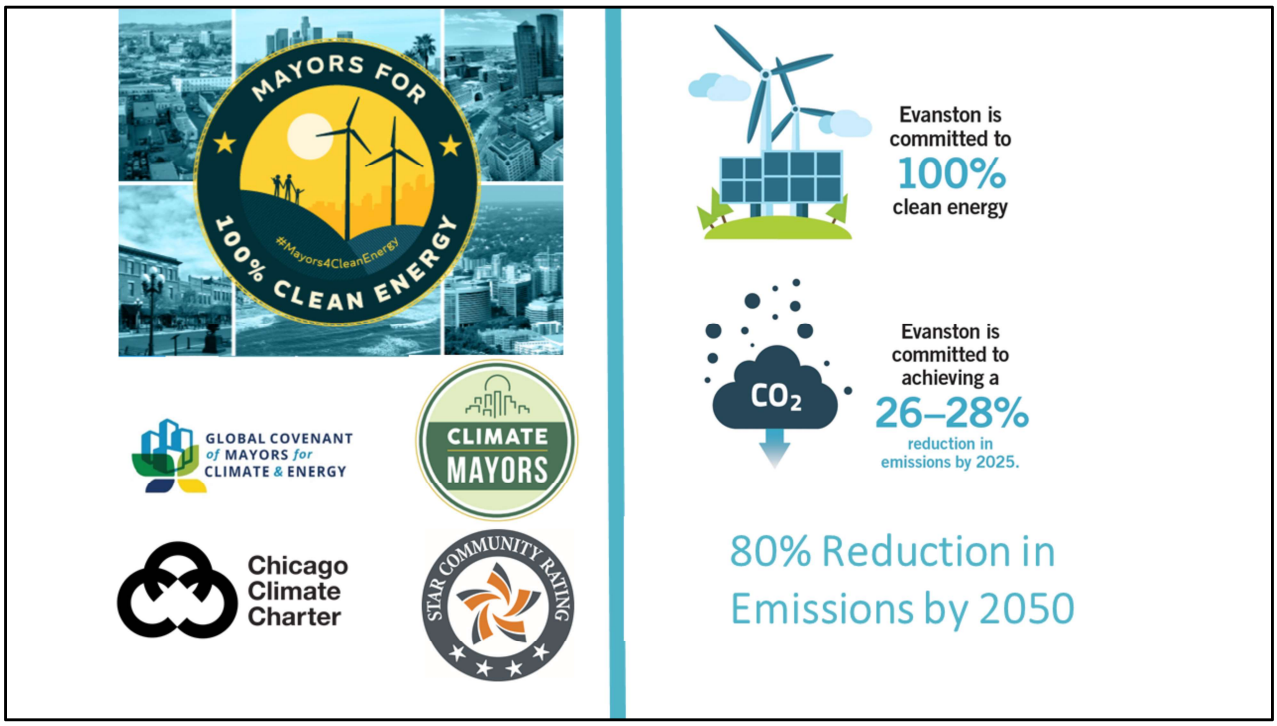
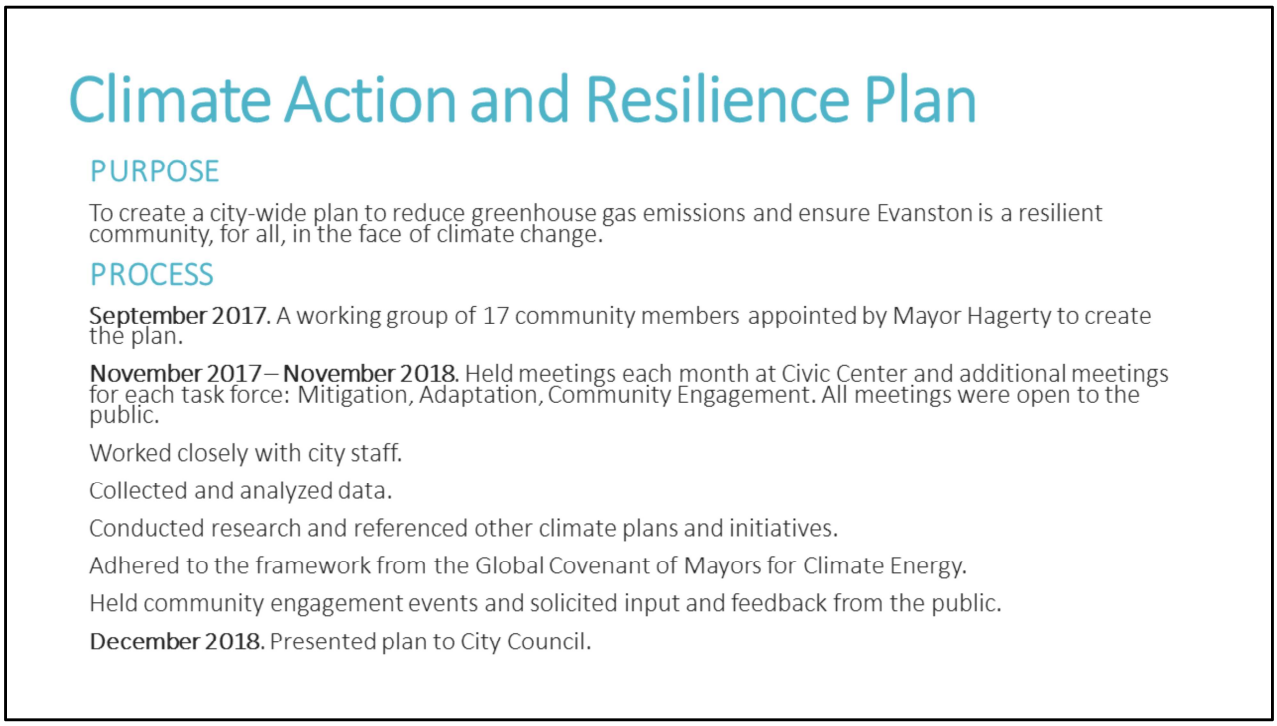


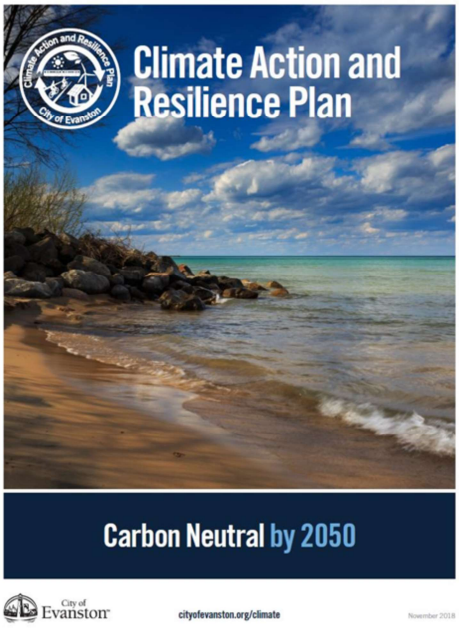
I want to start by explaining that Evanston has made some strong climate commitments. There are 5 commitments featured here, Chicago Climate Charter, STAR, Climate Mayors, Global Covenant of Mayors and Mayors for 100% Clean Energy. If there is one thing the sustainability field isn't short on, it's commitments. Of these numerous commitments, the most prominent include transitioning to 100% clean energy and reducing carbon emissions by at least 80% by 2050, which STAR indicates communities should do.

The question became, how do we make good on these commitments and do so in a way that improves the lives of Evanston residents, strengthens the local economy, improves public health and protects our natural areas. We needed a plan to achieve the commitments. With the initiative to create the Climate Action and Resilience Plan (CARP) we have moved out of the commitments phase and into planning and action.



We needed a community plan to meet these goals of the commitments and other goals identified through the community planning process.
The Purpose was to create a city-wide plan to reduce greenhouse gas emissions and ensure Evanston is a resilient community, for all, in the face of climate change.
September 2017. A working group of 17 community members appointed by Mayor Hagerty to create the plan. Over 70 people applied to be part of the group. This was a completely voluntary undertaking
November 2017 – November 2018. Held planning meetings each month at Civic Center and additional meetings for each task force: Mitigation, Adaptation, Community Engagement. We created task forces to increase our efficiency. Mitigation focused on parts of the plan that would decrease GHG emissions. Adaptation focused on assessing vulnerabilities and creating the resiliency parts of the plan. Engagement focused on outreach to community and holding public events. All meetings were open to the public.
Throughout this process we:
Worked closely with city staff. Leveraged the expertise of city staff. Sustainability Coordinator, City Engineer, Forestry department etc.
Dug into data and analyzed it.
Conducted research and referenced other climate plans and initiatives.
Adhered to the framework put forth by the Global Covenant of Mayors for Climate Energy. Dictates the baseline data measures and requires reporting through a shared platform with

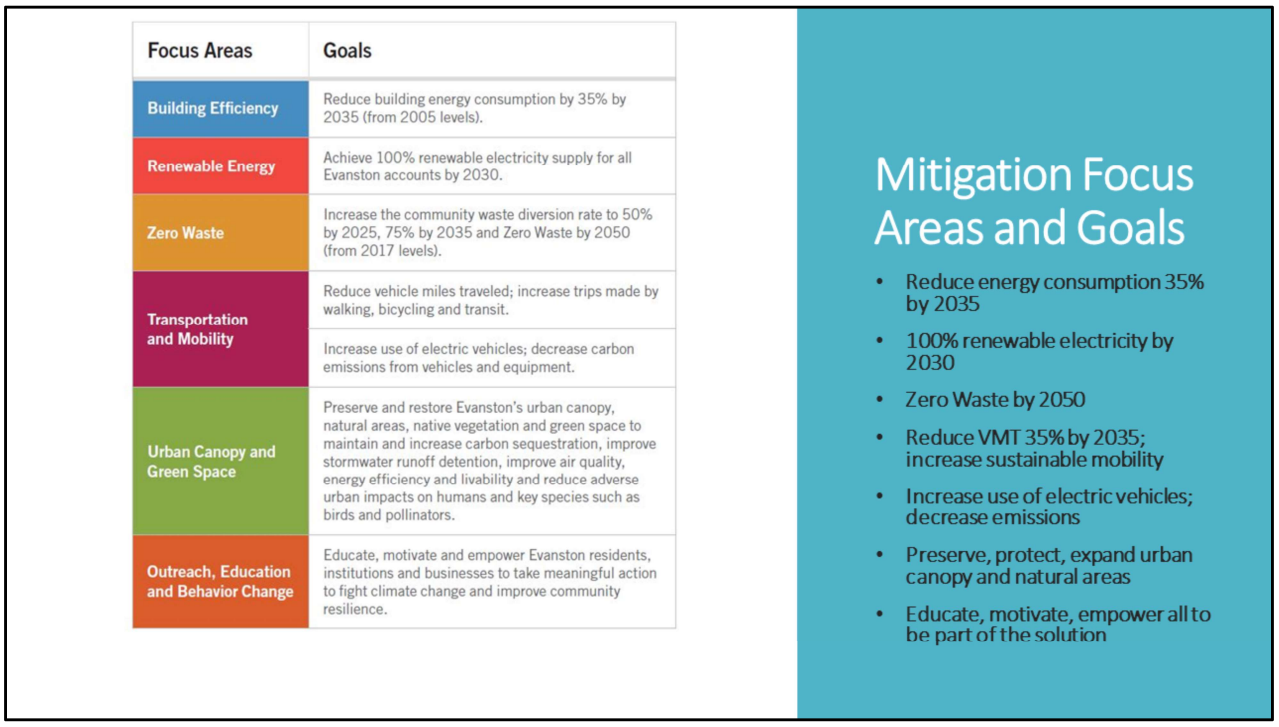
cities around the world.
Held community engagement events and solicited input and feedback from the public.
December 2018. Presented plan to City Council.



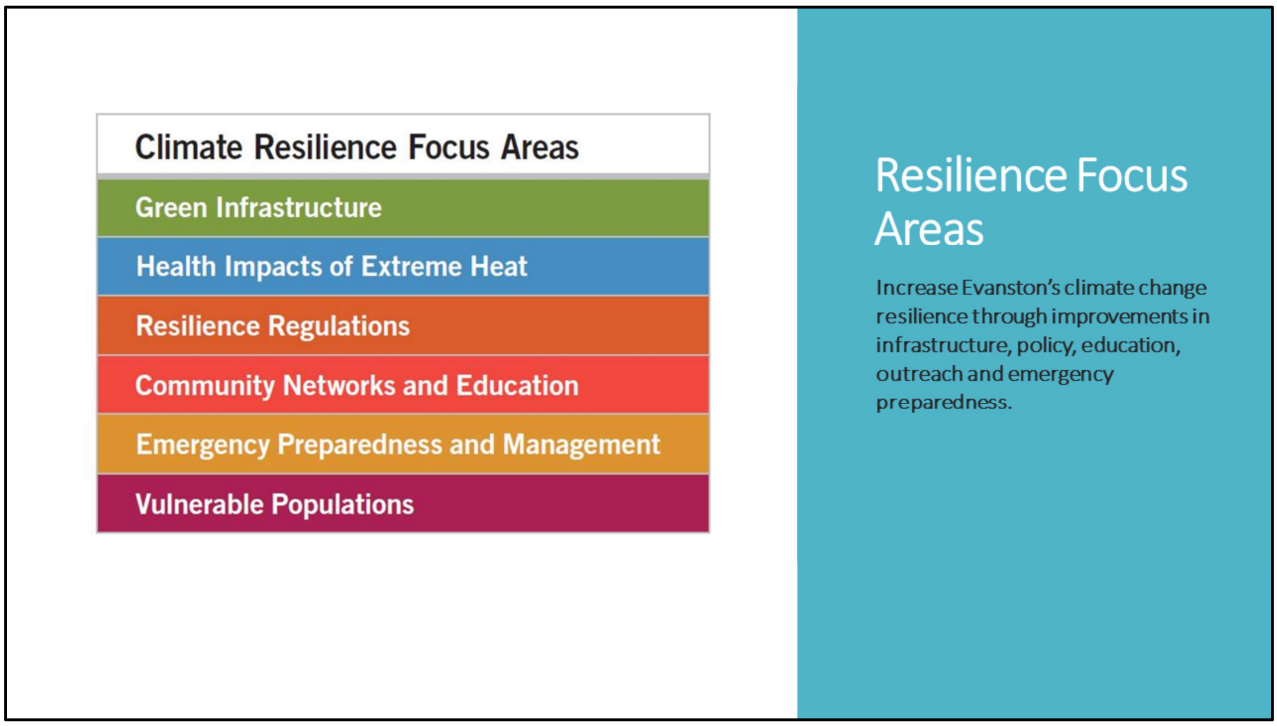
Climate Action and Resilience Plan

Approved by Evanston City Council December 2018

The plan was unanimously approved by Evanston City Council in December 2018. This was a huge accomplishment and a testament to all of the hard work put into the plan as well as the advocacy and support for the plan demonstrated by the community members who participated in the development of the plan and who reached out to their city council members and showed up at city council meetings.

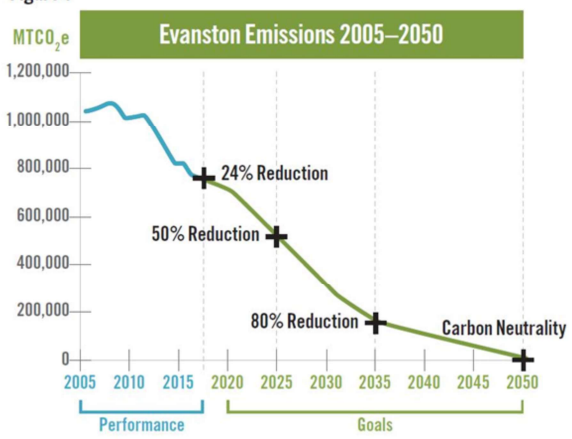


Building Efficiency – Reduce energy consumption by 35% by 2035
Renewable Energy – Achieve 100% renewable electricity supply city-wide by 2030
Zero Waste – increase waste diversion rate to 50% by 2025, 75% by 2035 and 100% by 2050
Transportation and Mobility – reduce VMT 35% by 2035, increase use of electric vehicles, decrease vehicle and equipment emissions; bus fleets based in and operating in Evanston to be 100% electric by 2035.
Urban Canopy and Green Space – preserve, protect, expand urban canopy and natural areas; 1000 net new trees planted by 2035
Outreach, Education and Behavior Change – Educate, motivate, empower all to act; each resident reduce their carbon footprint by at least 25% by 2035 and 50% by 2050



Green infrastructure
Health impacts of extreme heat
Resilience regulations
Community networks and education
Emergency preparedness and management
Vulnerable populations

Figure 1



Greenhouse Gas Reduction Targets

2025 — 50% reduction

2035 — 80% reduction

2050 — Carbon Neutrality

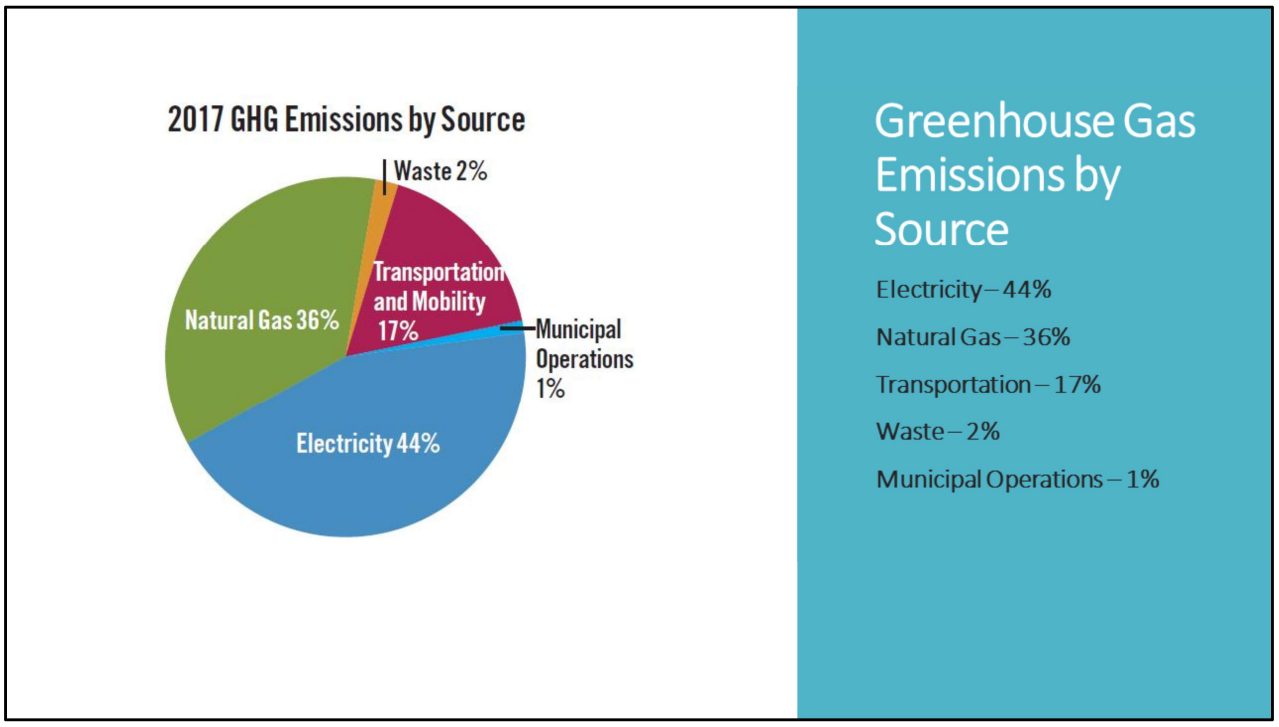
Clear and measurable targets are important and necessary to have

Data is Key

Table 1: Community Greenhouse Gas Emissions Inventory

Emissions Scope	Category	Year	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
		Units	$MTCO_2e$												
2	Building Energy Consumption	Residential Electricity (all classes)	154,524	149,040	150,400	147,120	135,831	149,812	147,949	153,490	140,299	139,642	121,408	114,335	111,096
2	Building Energy Consumption	Small Commercial Electricity	366,025	380,907	385,988	374,123	364,908	377,846	368,431	372,696	358,954	350,347	325,850	137,478	138,849
2	Building Energy Consumption	Large Commercial Electricity												151,289	149,842
2	Building Energy Consumption	Government non-City-owned	641	641	641	641	641	641	641	641	641	641	641	641	730
1	Building Energy Consumption	Residential Gas Consumption	114,674	116,791	119,144	127,295	118,762	114,717	120,070	120,070	122,458	114,322	118,433	106,071	109,489
1	Building Energy Consumption	Industrial Gas Consumption	224,266	221,954	234,950	245,586	218,672	198,521	4,284	4,284	4,402	4,108	3,895	3,412	3,482
1	Building Energy Consumption	Commercial Gas Consumption							207,016	207,016	217,132	181,887	217,779	209,169	209,463
1	Building Energy Consumption	Fugitive Gas Emissions	1,017	1,016	1,062	1,119	1,012	940	994	994	1,032	901	1,020	956	967
1	Transportation and Mobility	VMT Community	121,736	121,736	121,736	121,736	121,736	118,084	118,084	118,084	118,084	118,084	118,556	122,148	142,925
2	Transportation and Mobility	CTA Rail	18,785	17,659	18,698	19,321	14,916	19,366	21,536	19,979	22,085	21,416	13,396	11,263	11,708
3	Waste	Waste	17,000	17,000	17,000	17,000	17,000	17,709	17,709	17,709	17,709	17,709	16,226	18,216	18,475
		Total Pre-Renewable Energy Credits	1,018,668	1,026,744	1,049,621	1,053,941	993,478	997,635	1,006,713	1,014,962	1,002,796	949,057	937,205	874,977	897,026
2	Renewable Energy Credits	Renewable Energy Credits	-					-	-	-76,801	-131,383	-144,841	-128,267	-119,418	-111,904
		Total-Community	**1,018,668**	**1,026,744**	**1,049,621**	**1,053,941**	**993,478**	**997,635**	**1,006,713**	**938,162**	**871,412**	**804,216**	**808,937**	**755,560**	**785,122**
	Municipal Operations	**Municipal Operations**	**24,559**	**24,559**	**24,559**	**24,559**	**24,559**	**19,251**	**19,251**	**19,251**	**19,251**	**19,251**	**10,689**	**8,144**	**8,145**
		Combined Total	**1,043,227**	**1,051,303**	**1,074,180**	**1,078,500**	**1,018,037**	**1,016,886**	**1,025,964**	**957,413**	**890,664**	**823,467**	**819,626**	**763,703**	**793,266**
		% Reduction	**0.0%**	**-0.8%**	**-3.0%**	**-3.4%**	**2.4%**	**2.5%**	**1.7%**	**8.2%**	**14.6%**	**21.1%**	**21.4%**	**26.8%**	**24.0%**

Data is key. You need good data. This will tell you where you are and where you need to get to in order to meet your greenhouse gas reduction goals and other goals you include in your plan.



Through analyzing the data, you can know how to prioritize actions and strategies in your plan to help you reach your goals

Elements of Success

- Commitments
- Clear and measurable goals
- Framework
- Data and research
- City staff support
- Dedicated and knowledgeable community members
- Community input, engagement and advocacy
- Firm timeline
- Accountability

What you can do

- Think of what talents, skills or knowledge you can offer
- Attend plan meetings
- Research what other cities have done
- Provide constructive input and feedback throughout the process
- Get the word out to neighbors and businesses about the plan
- Let elected officials know that climate action is important to you
- Lead by example and take action in your own lives
- Continue educating yourself and others about climate change solutions

Maya Angelou said "Do the best you can until you know better. Then when you know better, do better.“
Don’t be afraid to be ambitious!

QUESTIONS?