

**RESOLUTION NO. R-21-16-A 8**

**A Resolution to endorse the 2021 Climate Action Plan for the Chicago Region**

WHEREAS, on July 13, 2021, the Metropolitan Mayors Caucus launched the 2021 Climate Action Plan for the Chicago Region in partnership with the National Oceanic and Atmospheric Administration (NOAA) and the Global Covenant of Mayors for Climate and Energy, and with support from the European Union, the Chicago Metropolitan Agency for Planning, and the Metropolitan Planning Council; and

WHEREAS, on August 9, 2021, the Intergovernmental Panel on Climate Change issued the Sixth Assessment Report authored by 234 scientists from 66 countries containing dire warnings about the state of the planet but showing that human actions have the potential to determine the future for climate; and

WHEREAS, more than 250 individuals from 175 stakeholder organizations including 53 municipalities throughout Northeastern Illinois invested two years of work through in-person and virtual collaboration and developed a comprehensive, municipally focused and regional impactful climate action plan that is anchored in equity with the well-being of people at its core; and

WHEREAS, the Climate Action Plan for the Chicago Region invites collaboration from all regional, state and federal agencies and the private sector; and

WHEREAS, the Climate Action Plan for the Chicago Region identifies the following science-based goals and objectives for the region and identifies strategies for municipalities to take measurable and meaningful action to both dramatically reduce greenhouse gas emissions and develop resiliency to climate-related hazards that threaten the community, economic health and the natural environment:

**CLIMATE MITIGATION GOAL: Net zero greenhouse gas emissions**

**MITIGATION TARGETS:**

By 2030 Reduce GHG emissions 50% from 2005 levels

By 2040 Reduce GHG emissions 65% from 2005 levels

By 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.

**CLIMATE ADAPTATION GOAL: Persistent, equitable climate adaptation**

**ADAPTATION TARGETS**

By 2030 Climate-resilient governance

By 2040 Resilience across jurisdictions

By 2050 Cohesive, resilient communities

## Chicago Region Environmental Sustainability Fact Sheet

### Source CAPCR

Business as usual scenario (RCP 8.5, where RCP is Representative Concentration Pathway) is a model trajectory “ . . . of GHG concentrations that would produce an excess radiative forcing of 8.5 Watts over every square meter of Earth’s surface by the year 2100.” (p.2)

Ave. temperature (1985-2016) in states bordering the Great Lakes rose by 1.4 C from the 1901-1960 ave. (p. 4)

Precipitation increased (1901-2015) by 10% in the Great Lakes region, while by 4% in the U.S.

CAPCR projects that the Campton area will see 20-25% more precipitation by 2100 under RCP 8.5. (p.7)

Chicago Region Green House Gas emissions decreased by 9% between 2010-15, good trend but not large enough to meet any of the sustainability benchmarks. (p.7)

The Chicago Region’s population of 8.9 million produced 119 MMTCO<sub>2</sub>e in 2015. (p.21)

CMAQ tabulated subsector GHGe for 2015 in the Chicago Region as follows (p.19):

On-road transportation . . . . .	24.3%
Comm. & Inst. Buildings (elect.) . . . . .	15.9%
Resid. Buildings (nat. gas) . . . . .	13.6%
Manufacturing (elect.) . . . . .	12.9%
Resid. Buildings (elect.) . . . . .	12.6%
Comm. & Inst. Buildings (nat. gas) . . . . .	7.6%
Manufacturing (nat. gas) . . . . .	4.2%
Off-road transportation . . . . .	3.6%
Waste . . . . .	2.8%
Fugitive emissions (nat. gas) . . . . .	1.5%
Railways . . . . .	0.9%
Other . . . . .	.0.1%

### Main Green House Gases (GHG) 2019

	Percent of Emissions	2019 Concentration	Lifetime (yrs.) in Atmosphere	Global Warming Potential 100 yrs.
Carbon Dioxide CO <sub>2</sub>	80%	410 ppm	varies	1
Methane CH <sub>4</sub>	10%	1,800 ppb	12	25
Nitrous Oxide N <sub>2</sub> O	7%	331 ppb	114	298
HFC + other gases	3%	20-200 ppt	270	14,800

Source: <https://www.epa.gov/ghgemissions/overview-greenhouse-gases>

And <https://www.epa.gov/climate-indicators/climate-change-indicators-atmospheric-concentrations-greenhouse-gases>

IL Renewable Portfolio Standard requires utilities to offset 25% of their energy generation portfolio to sustainable sources by 2025.

ADAPTATION OBJECTIVES

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

WHEREAS municipal governments have unique strengths in developing community resiliency and in taking long-term action to mitigate climate change that are amplified through regional collaboration.

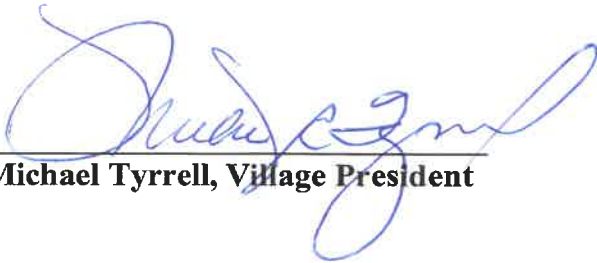
NOW, THEREFORE, BE IT RESOLVED that the Village Board of Campton Hills, Illinois, hereby expresses its support for the goals and objectives of the **2021 Climate Action Plan for the Chicago Region** proposed by the Metropolitan Mayors Caucus and pledges to take strategic action to achieve these goals for a more resilient, equitable and healthy future.

Passed this 7 day of December, 2021 by roll call vote:

	<u>AYES</u>	<u>NAYES</u>	<u>ABSENT</u>	<u>ABSTAIN</u>
Trustee Charles Cappell	✓			
Trustee Susan George	✓			
Trustee James McKelvie	✓			
Trustee Mike Millette	✓			
Trustee Wendy White-Eagle			✓	
Trustee Ed Muncie			✓	
President Michael Tyrrell				

APPROVED THIS 7 DAY OF December 2021

(SEAL)



Michael Tyrrell, Village President

(ATTEST)



Lynn Baez, Village Clerk