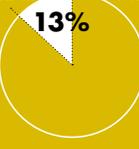


# CHICAGO 2020 PROPOSED MITIGATION AND ADAPTATION STRATEGIES

Strategy	Action	Target (Government, Business, Residential)
<b>ENERGY EFFICIENT BUILDINGS</b>  <p><b>30%</b> of Total Chicago GHG Reductions = <b>4.6 MMTCO<sub>2</sub>e</b></p>	1 Retrofit commercial and industrial buildings	G B R
	2 Retrofit residential buildings	G R
	3 Trade in appliances	G B R
	4 Conserve water	G B R
	5 Update City energy code	G B R
	6 Establish new guidelines for renovations	G B R
	7 Cool with trees and green roofs	G B R
	8 Take easy steps	G B R
<b>CLEAN &amp; RENEWABLE ENERGY SOURCES</b>  <p><b>34%</b> of Total Chicago GHG Reductions = <b>5.33 MMTCO<sub>2</sub>e</b></p>	9 Upgrade power plants	G B
	10 Improve power plant efficiency	G
	11 Build renewable electricity	G B R
	12 Increase distributed generation	G B
	13 Promote household renewable power	G B R
<b>IMPROVED TRANSPORTATION OPTIONS</b>  <p><b>23%</b> of Total Chicago GHG Reductions = <b>3.61 MMTCO<sub>2</sub>e</b></p> <p>0.006*</p>	14 Invest more in transit	G B
	15 Expand transit incentives	G B
	16 Promote transit-oriented development	G B R
	17 Make walking and biking easier	G B R
	18 Car share and carpool	G B R
	19 Improve fleet efficiency	G B R
	20 Achieve higher fuel efficiency standards	G B R
	21 Switch to cleaner fuels	G B R
	22 Support intercity rail	G B
	23 Improve freight movement	G B
<b>REDUCED WASTE &amp; INDUSTRIAL POLLUTION</b>  <p><b>13%</b> of Total Chicago GHG Reductions = <b>2.03 MMTCO<sub>2</sub>e</b></p>	24 Reduce, reuse and recycle	G B R
	25 Shift to alternative refrigerants	G B R
	26 Capture stormwater on-site	G B R

Mitigation actions may not add up to 15.1 MMTCO<sub>2</sub>e because some activities offset potential savings from others. The reduction number for all the strategies added together, without double-counting, is sufficient to meet a goal of 15.1 MMTCO<sub>2</sub>e. These numbers represent the savings if each activity were implemented independently of the others.

Description	MMTCO <sub>2</sub> e Reduction
Retrofit 50 percent of commercial and industrial building stock, resulting in a 30 percent energy reduction.	1.3
Improve efficiency of 50 percent of residential buildings to achieve a 30 percent reduction in energy used.	1.44
Expand appliance trade-in and lightbulb replacement programs.	0.28
Improve water use efficiency in buildings as part of retrofits.	0.04
Align Chicago's Energy Conservation Code with latest international standards.	1.13
Require all building renovations to meet green standards.	0.31
Increase rooftop gardens to total of 6,000 buildings citywide and plant an estimated 1 million trees.	0.17
Encourage all Chicagoans to take easy steps to reduce their emissions by one metric ton of CO <sub>2</sub> e per person.	0.8
Upgrade or repower 21 Illinois power plants.	2.5
Raise efficiency standards for new and existing power generators.	1.04
Procure enough renewable energy generation for Chicagoans to reduce electricity emissions by 20 percent	3.0
Increase efficient power generated on-site using distributed generation and combined heat and power.	1.12
Double current household-scale renewable electricity generation.	0.28
Invest in transit improvements and boost Chicago transit system ridership by 30 percent.	0.83
Provide incentives for transit use, such as pre-tax transit passes.	0.03
Encourage development focused on public transit, walking and bicycle use.	0.63
Increase the number of walking and bicycle trips to one million a year.	0.01
Boost car sharing, carpooling and vanpooling.	0.5
Improve the energy efficiency of fleets in Chicago, including buses, taxis and delivery vehicles.	0.21
Advocate for implementation of higher federal fuel efficiency standards.	0.51
Increase the supply and use of sustainable alternative fuels for Chicago vehicles.	0.68
Support intercity high-speed passenger rail plan.	0.1
Foster more efficient freight movement, including support for CREATE.	1.61
Reduce, reuse and recycle 90 percent of the city's waste by 2020.	0.84
Promote use of alternative refrigerants in air conditioners and appliances.	1.16
Manage stormwater with green infrastructure.	0.1

\*and a much larger emissions reduction for the greater Chicago region.