

Smart Technologies for Carbon Drawdown

*Chicago Advanced Energy
June 8, 2017*



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USGBC-Illinois

GEMENT · **COMMERCIAL LED LIGHTING** · COMMERCIAL RECYCLING · C
ONCENTRATED SOLAR FARMS · ENERGY STORAGE · DISTRICT HEATING
· **EFFICIENT APPLIANCES** · ELECTRIC BIKES · **ELECTRIC VEHICLES** · E
EFFICIENT GLAZING · **ENERGY EFFICIENT ROOFS** · FAMILY PLANNING ·
ARM WATER PRODUCTIVITY · FARMLAND RESTORATION · GEOTHERMA
GRAZING & PASTURE MANAGEMENT · HEALTHY DIET · HIGH SPEED RAI
ENERGY · **HOUSEHOLD LED LIGHTING** · HOUSEHOLD RECYCLING · HOUS
WATER SAVING MEASURES · **HVAC EFFICIENCIES** (GROUND & AIR HEAT
ANDFILL METHANE CAPTURE · MASS TRANSIT · METHANE DIGESTERS
COMPOSTING · **NET-ZERO BUILDINGS** · NUTRIENT MANAGEMENT · OCEA



 USGBC-ILLINOIS

2016-
2020

EPIC CHALLENGE STRATEGIC PLAN

SCALING CARBON
REDUCTION AND
EMPOWERING OUR
CLIMATE FUTURE

Results by 2050

- 2.19 gigatons reduced CO2
- \$325.1 Billion net savings

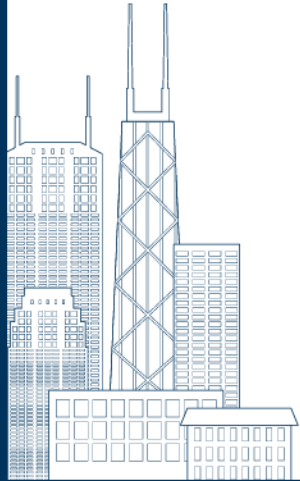
Smart Glass



Results by 2050

- 4.62 gigatons reduced CO2
- \$68.1 Billion net cost
- \$880.6 Billion net savings

Building Automation



USGBC COMMUNITY

ENGINEERS NON PROFIT LEADERS INTERIOR DE
PRODUCT MANUFACTURERS ARCHITECTS CODE OFF

1. **ENGAGE 3,500 BUILDINGS** in adopting one or more carbon drawdown strategies
2. **ALLY WITH PARTNERS** in every Chicago community to advance resiliency and livability at neighborhood scales
3. **TRAIN 30,000** to socialize and advance carbon drawdown strategies

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BUILDING OWNERS INTERIOR DESIGNERS BUILDI
OFFICIALS FEDERAL, LOCAL, AND STATE GOVERNMENT

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