# **IMPACTS OF CLIMATE CHANGE IN CLEVELAND**

Climate change in Cleveland could damage the environment and put human health at risk. Hotter summer temperatures, more rain, snow, intense storms, and floods may be heading our way. Some of these changes are already happening.

Low-income and elderly residents are especially at risk from the effects of climate change. Large areas of pavement, a lack of trees in some neighborhoods, and the city's aging sewer system contribute to the challenges of climate change. But there are things we can do to protect our families, homes, and neighborhoods.

HEAT-RELATED HEALTH ISSUES Hot weather and air pollution increase the risk of heart attacks, stroke, asthma, and other illnesses.

from 1956-2012.. the number of days above 90°

**INCREASED BY 4.2** 

and is projected to increase by 20-30

more days by 2070

Solar energy can

be collected on

cloudy days too!

from 1956-2012 the AVERAGE **TEMPERATURE** INCREASED 2.4°





**Cleveland Neighborhood Progress**, the Cleveland Office of Sustainability, four community development corporations, and 16 climate ambassadors are working to address the impacts of climate change in Cleveland and help prepare residents for the challenges that lie ahead through three main strategies:



Save energy through home weatherization. Expand use of renewable energy sources like wind and solar power.



Anticipate problems and prepare for surprises caused by climate change.



Bring neighbors together to build stronger relationships and take collective action.

**CLIMATE RESILIENCY STRATEGIES FOR CLEVELANDERS**.



\$2.78

SAVED FOR

EVERY \$1

#### WEATHERIZATION

Weatherization makes your home more comfortable in winter and summer and reduces energy bills.

For every dollar spent on home weatherization in Ohio, there is a \$2.78 return on that investment to the homeowner and the state's economy. source: USAID / NARUC

AT THE SCALE OF THE **BUILDING & SITE** 

## LOT CONSOLIDATION

Combining vacant lots with neighboring homes enables homeowners to expand their yards, plant more trees, and reduce flooding

### SOLAR FARMS Solar panels on roof tops and vacant lots generate clean energy.

Did you know that 43% of employees in Ohio's solar industry are women and 19% are minorities? Solar power creates jobs in the community.

source: Solar Foundation

AT THE SCALE OF THE NEIGHBORHOOD











