



# Paris COP21 Agreement

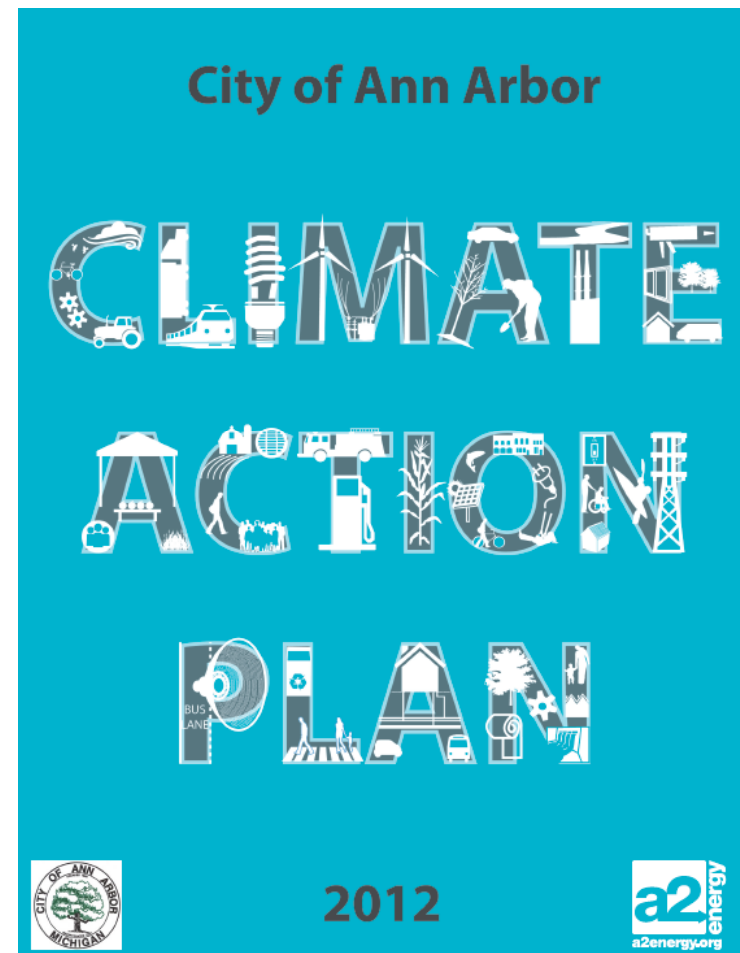
- 195 nations reached milestone agreement
- Commit to cap temperature increases to 2 degrees Celsius
- Voluntary, public commitments
- Counties, regions, and local communities all play a role



# Ann Arbor's Climate Action Plan

- Adopted by City Council in December 2012
- 25% reduction in GHG emissions by 2025
- 90% reduction in GHG emissions by 2050

[www.a2energy.org/climate](http://www.a2energy.org/climate)



# Ann Arbor Climate Partnership

- Launched in 2013
- Community stakeholders working to advance Climate Action Plan goals
- \$210,000 in private donations raised to support efforts



**ECOLOGYCENTER**  
Healthy People, Healthy Planet



**PARTNERS  
FOR PLACES**



**Ann Arbor Area  
Community Foundation**

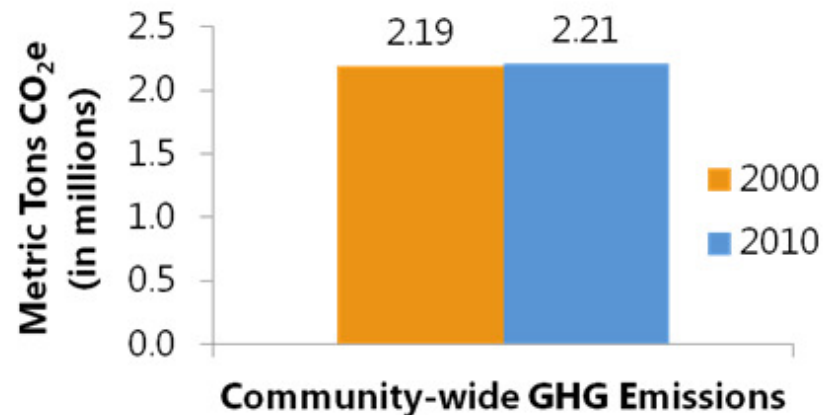








**WHERE ARE WE NOW?**

# GHG Emissions

- 0.8% increase in GHG emissions
- 60% of CAP actions underway or in-progress



	Underway ✓	In-Progress ▲	Still Getting Started
 Energy & Buildings	1	11	13
 Land Use & Access	3	11	7
 Resource Management	2	15	8
 Community & Health	2	6	5



# Adaptation

## Implemented:

- ✓ Wet weather technical advisory group
- ✓ Floodplain management
- ✓ Revised stormwater standards
- ✓ CodeRED™ notification system
- ✓ Green infrastructure projects

## In-Progress:

- ▲ Flood mitigation
- ▲ Hazard Mitigation Planning
- ▲ Capital improvements planning



Green infrastructure on Madison and Fourth





# Resource Management

## Implemented:

- ✓ Green Streets Policy
- ✓ Urban and Community Forest Management Plan

## In-Progress:

- ▲ Waste Less: Solid Waste Resource Plan
- ▲ Zero waste events
- ▲ Increased recycling
- ▲ Organics Management Plan



Citizen Pruner Work Day



# Compact of Mayors

The Compact of Mayors is a strong rationale for making real investments and progress on the our climate work. Within three years we are expected to show compliance in three areas:

1. Register “City Climate Commitments” (targets for GHG emissions reduction and plans to adapt to climate change);
2. Report annually on progress towards achieving GHG emissions reduction targets and assessing climate hazards, using standards established through City Networks; and
3. Disclose this information publicly by reporting through a recognized city platform



# Energy & Buildings

## Underway:

- ✓ PACE Program

## In-Progress:

- ▲ Energy efficiency at AAHC sites
- ▲ Energy efficiency in rental housing
- ▲ Community biodigester
- ▲ Community renewable energy projects



42-kW solar system installed at Miller Manor in 2015



# Land Use & Access

## Underway:

- ✓ The Ride enhanced transit service
- ✓ ArborBike bikeshare
- ✓ Drive Electric Ann Arbor Partnership

## In-Progress:

- ▲ Reimagine Washtenaw
- ▲ Downtown zoning amendments
- ▲ Connector study



Bike rack on TheRide bus

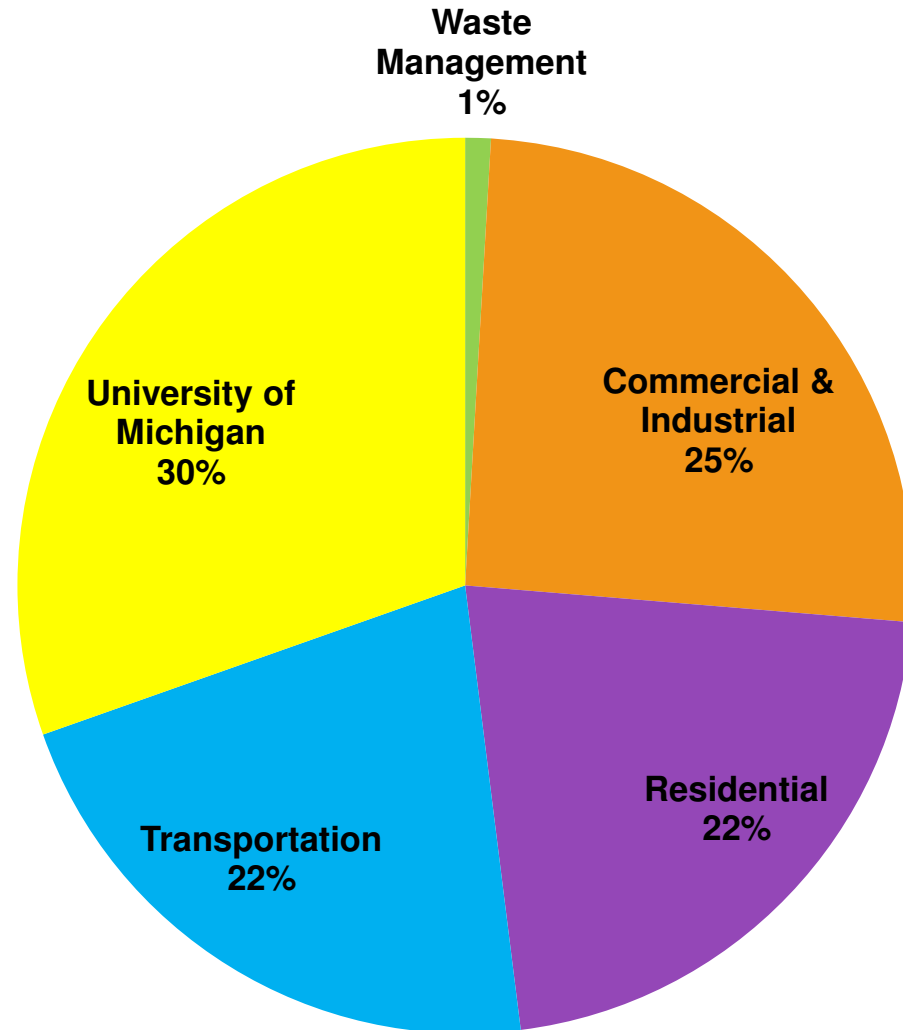


**WHAT'S NEXT?**



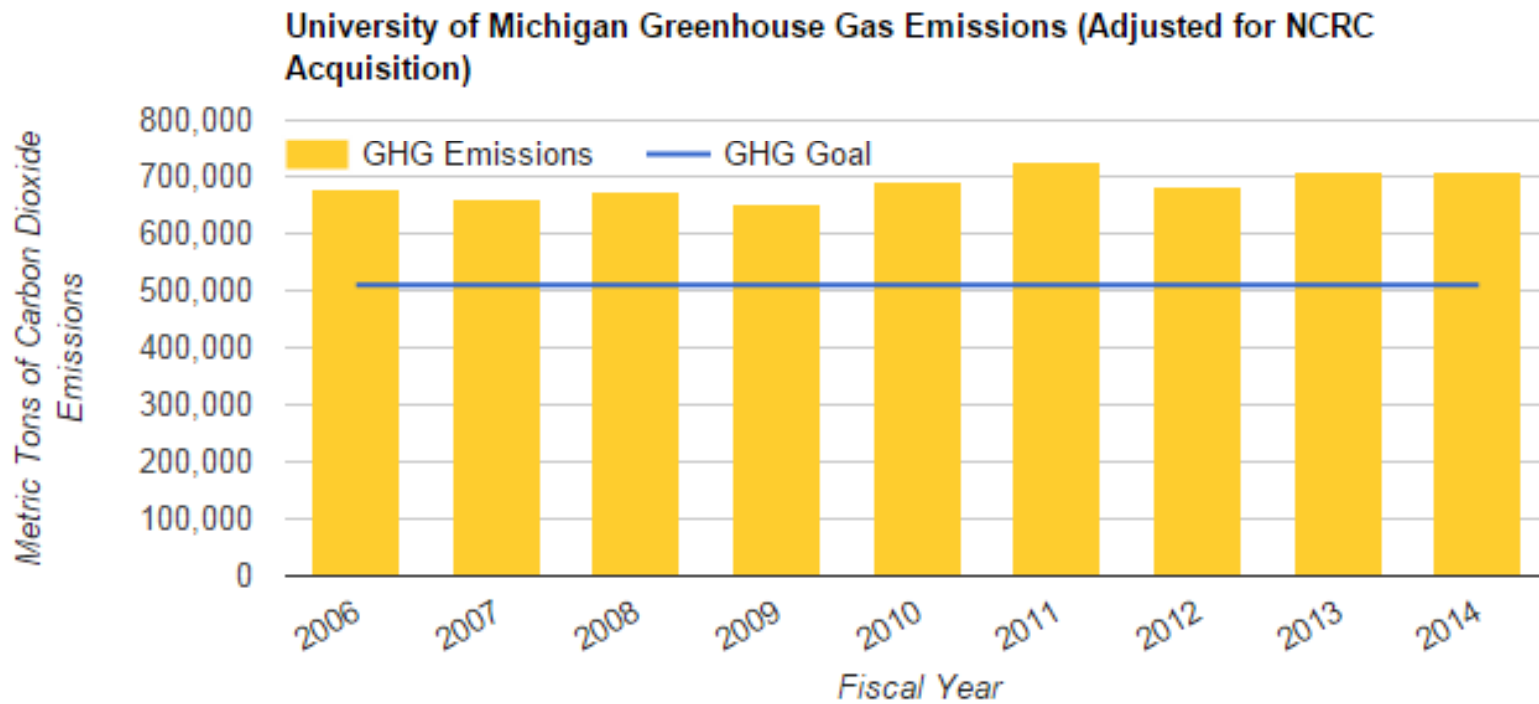
# We need to do more.

- Municipal emissions less than 2%
- Opportunity for community-facing work
- 40% of CAP actions not yet started
- GHG emissions still increasing communitywide



Community Wide GHG Emissions  
by Sector (2010)

# University of Michigan



## Indianapolis EV Program

- 450 electric vehicles in city fleet
- One-way EV car-sharing service
- EV charging infrastructure installed throughout city

## MNPLS Utility Partnership

- 10-yr “Clean Energy Partnership” agreement between City, two investor-owned utilities funds City’s climate plan
- Generates \$26M/year (\$9.81/capita)
- Initial focus on efficiency in multi-family, low-income residential, commercial

## Learning from Other Cities

## Boulder – “Solar Benefits”

- Solar Benefits Colorado uses municipal buying power to provide discounted solar systems, EVs for residents
- 15% discount for solar, \$8,300/vehicle discount for electric cars
- 3-county program negotiated w/vendors

## East Lansing Solar Power

- MSU constructing solar carports in 5 parking lots
- 10 MW – largest solar array in state – 1/6 of university needs
- Investor-financed, returns generated through PPA, costs reduced for MSU