



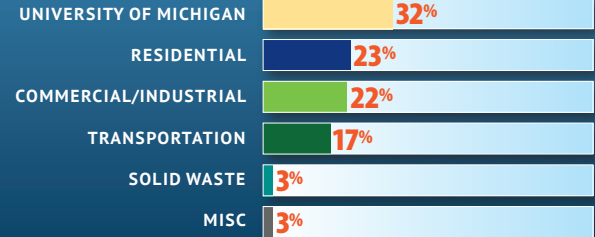
EQUITABLE • SUSTAINABLE • TRANSFORMATIVE

## Together, achieving a just, community-wide transition to carbon neutrality by 2030.

The A<sup>2</sup>ZERO initiative builds on the tremendous progress we have already made while identifying actions that will quickly and justly achieve Ann Arbor's carbon neutrality goal.

### 2018 EMISSIONS SNAPSHOT

The 2018 inventory is our starting point as we race to zero emissions by 2030.



## A<sup>2</sup>ZERO IS ABOUT IMPLEMENTING CARBON NEUTRAL STRATEGIES IN FOUR SECTORS:

ENERGY | MOBILITY | RESOURCE REDUCTION | ADAPTATION AND RESILIENCE



### ENERGY



#### GOALS:

- Powering our electrical grid with 100% renewable energy
- Electrification of appliances and vehicles
- Significantly improving energy efficiency



### MOBILITY



#### GOALS:

- At least 50% reduction in vehicle miles traveled



**\$200 million**

Amount spent annually on natural gas and electricity by city residents, businesses and institutions.

#### ENERGY SOURCES



#### WHAT WE'VE DONE

- ✓ Energy efficiency education and commercial PACE program
- ✓ Solarize initiative to aggregate community demand for solar
- ✓ Net zero energy affordable housing partnership

#### IN THE WORKS

- Strategy to power the entire community with 100% renewable energy
- Support community bulk buy of renewables, batteries, & efficiency
- Work to update state-level building codes
- Aging in Place efficiently program
- Greening of the rental and single-family housing market



**51 WALK SCORE**



**68 BIKE SCORE**

**15%** Residents who walk to work  
(6x the national average)

**900+** Bike Parking Spaces

**475+** Miles of sidewalk  
57 miles of shared used paths

**87** Miles of Bike Lanes



**600,000**

The Ride trips by GoPass riders annually



**85,000**

Cars driving into the city every day with a population of just 120,000

#### WHAT WE'VE DONE

- ✓ First electric school buses
- ✓ Lane reconfigurations to support biking
- ✓ Protected bike lanes

#### IN THE WORKS

- Implement non-motorized transportation plan
- Expand and improve local and regional transit
- Bike and pedestrian only corridors
- Electrify buses and fleet vehicles in City, AATA, and UM
- Ubiquitous electric vehicle charging infrastructure



## RESOURCE REDUCTION



### GOALS:

- Work towards a circular economy by changing the way we use, reuse, and dispose of materials



## ADAPTATION & RESILIENCE:



### GOALS:

- Enhance the resilience of our people and our place

## WASTE DIVERSION RATE: WAY TO GO!



### ROOM FOR IMPROVEMENT

**40%** HOUSEHOLD WASTE COULD STILL BE COMPOSTED

### WHAT WE'VE DONE

- ✓ Curbside recycling and composting
- ✓ Shop local campaigns

### IN THE WORKS

- Expand composting and commercial recycling programs
- Move toward a circular economy
- Support a plant rich diet
- Require sustainable materials in new & existing developments

## TAKE ACTION

Visit [a2zero.org](http://a2zero.org) to share ideas, find out about upcoming events, and choose other ways to get involved with Ann Arbor's carbon neutral future.

[a2zero.org](http://a2zero.org)



Ann Arbor is the **8th** most segregated metro region in the country. With equity at the foundation, **A<sup>2</sup>ZERO** is working to ensure the benefits of carbon neutrality are experienced by all.

We receive **117 Michigan Stadiums** (the 2nd largest stadium in the world) worth of rainfall every year -- a number that has been and will continue to rise with climate change.

**70+** city-owned rain gardens

**541+** miles of stormwater ditches and underground pipes.

**23,000** inlets and catch basins. **1,123** residential rain barrels



We already work hard to protect our natural assets.

**51,926+** city-managed trees

Last year **1,600** volunteers invested **8,000** hours during **180** events to support our **Natural Area Preservation** efforts.

### WHAT WE'VE DONE

- ✓ Complete streets
- ✓ Tree planting
- ✓ Jobs trainings

### IN THE WORKS

- Invest in neighborhood resilience hubs
- Preserve and enhance the local tree canopy
- Foster neighborhood and Youth Ambassador Programs
- Emergency Preparedness education and distribution of emergency kits
- Conduct asset and needs mapping of neighborhoods



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