



# YEAR THREE ANNUAL REPORT

JULY 1, 2022–JUNE 3, 2023

## INTRODUCTION

As A<sup>2</sup>ZERO turns three, we find it time to once again reflect on actions and activities taken to-date and those still needed to hit our goal of community-wide carbon neutrality by the year 2030. A lot of great work was embarked on in the last year, as outlined below. Much of this work focused on building a foundation for long-term climate action or built upon foundations laid in previous years. Together, our community has reduced greenhouse gas emissions by over 22% - creating the momentum necessary to hit our audacious climate goals. Yet we know a great deal more is needed. That's why staff in the [Ann Arbor Office of Sustainability and Innovations](#) (OSI), the caretakers for A<sup>2</sup>ZERO, are working hard to create new programs and initiatives that will ensure everyone in our community can participate in the climate movement. If you haven't already joined us, we encourage you to sign up for our [monthly newsletter](#) to learn more about activities and ways to get involved. Or consider becoming an [A<sup>2</sup>ZERO Ambassador](#) to help us spread the word about A<sup>2</sup>ZERO in the community. You can also join our team as a full-time employee, AmeriCorps member, intern, or volunteer - check out opportunities as they emerge [here](#). Regardless of how you're able, please get involved - because achieving our goals is only possible when we all work together.

### **The Ann Arbor Office of Sustainability and Innovations Team**

Missy, Zach, Julie, Sean, Thea, Simi, Hannah, Joe, Sheronda, Bryce, Jennifer, Carissa, and Ryan



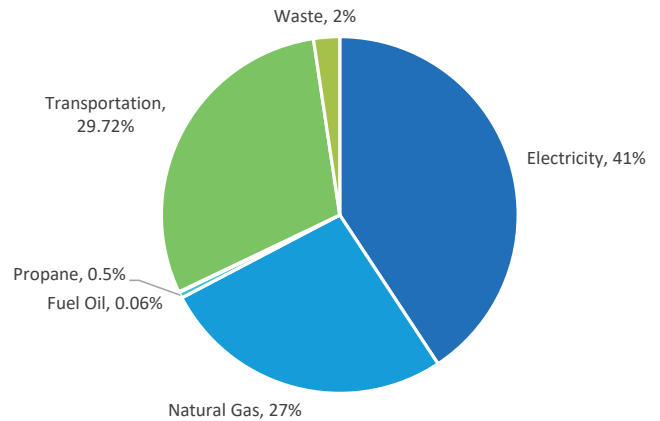
## GREENHOUSE GAS EMISSIONS SUMMARY

Measuring GHG emissions is the leading way of tracking progress towards our climate goals, from guiding science-based targets grounded in equity, to looking at the impacts of individual behavior, to creating new programs and initiatives to support local action. [Standards exist](#) on how local governments measure their greenhouse gas emissions and the City of Ann Arbor not only adheres to those standards but continues to help develop and refine those standards.

The A<sup>2</sup>ZERO goal of community-wide carbon neutrality requires reducing our community’s annual greenhouse gas emissions from over 2.1 million metric tons of CO<sub>2</sub> equivalent pollution to zero by 2030. Measuring our progress against this goal is of paramount importance. That is why, every year, Ann Arbor completes a [community-wide greenhouse gas inventory](#). This inventory informed the design of the A<sup>2</sup>ZERO Carbon Neutrality Plan and is one of the meaningful indicators we use to track progress in meeting our climate goals. The inventory annually monitors key sources of emissions associated with the community, including the electricity we consume, the fossil fuels we burn in our homes and vehicles, and what we throw in the trash.

Ann Arbor’s largest source of greenhouse gas (GHG) emissions is from the electricity we use in our homes and businesses (41% of emissions). These emissions are driven by both how much electricity we consume and how carbon intensive the fuel mix is that generates that electricity. In 2022, over 54% of DTE Electric’s Fuel Mix used to supply electricity to Ann Arbor (and other communities) was generated using coal. 13% of the fuel mix was generated with renewables (2% additional was purchased).

DTE, the University of Michigan, and residents and businesses in Ann Arbor also purchase renewable energy. Michigan requires DTE meet a 15% renewable portfolio standard. In 2022, the University of Michigan purchased the equivalent of 39% of its electricity from renewable sources, representing an



offset of 6% of community-wide emissions.

“Natural” or methane/fossil gas is responsible for 27% of local emissions. Unlike electricity, which can be generated with renewable energy and have lower, or no, carbon intensity, combusting fossil gas will always generate greenhouse gas emissions. Moreover, fossil gas combustion has been associated with serious public health impacts, including childhood asthma, cancer, and lung disease. That is why OSI is working to find more sustainable ways to heat and cool our homes and businesses.

Fossil fuels combusted in our vehicles for trips around town or commuting are another major source of emissions (30%). During 2020, miles traveled in our vehicles dropped 36% from the previous year; by 2022, they returned to 3% below 2018 levels.

To learn more about the City’s greenhouse gas emissions inventory methodology, results, and actions, please see our Community Greenhouse Gas Inventory [website](#).

# 1

## STRATEGY ONE:

### **POWER OUR ELECTRICAL GRID WITH 100% RENEWABLE ENERGY**

*Strategy 1 of A<sup>2</sup>ZERO calls for the community's electric needs to be powered with 100% renewable energy. In year three of A<sup>2</sup>ZERO, significant progress was made to advance renewable energy deployment and adoption, including:*

- Installation of over 4 megawatts (MW) of rooftop solar through [Solarize Ann Arbor](#), representing over 540 new residential installations and thousands of residents educated and engaged around energy production, electrification, and energy waste reduction.

- The launch of a new [Commercial Solar Program](#) in partnership with the 2030 District to incentivize commercial solar adoption in Washtenaw County.

- Commissioning of an Energy Options Analysis to determine the financial viability of the proposed [Sustainable Energy Utility](#) (SEU), traditional municipalization, and other options for meeting our community-wide renewable energy goals.

- Submitted testimony in a DTE rate case (U-20836), objecting to a proposed rate increase,

challenging proposed new distributed generation rates, promoting increased reliability standards, supporting new clean energy and energy storage pilots, and calling for significantly improved streetlighting services and rates, among other topics.

- Intervened and submitted testimony in additional Michigan Public Service Commission cases to improve renewable energy opportunities, decrease rates, and improve reliability, including: U-21172, U-21297, and U-21376.

- Secured \$2.5 million in federal support to advance solar and battery storage installations on critical City facilities and released a request for proposals to hire a firm to design and install these systems.

- OSI team members joined a National Renewable Energy Laboratory (NREL) energy modeling course to leverage NREL tools to help advance the community's clean energy activities.



- Executed a contract for nearly 1 MW of solar at various Parks facilities. Installations are currently underway.
- Selected vendors (Enerlogics and Melink Solar) for installation of roughly 3 MW of solar on various municipal sites, including Wheeler Service Center, the Water and Wastewater Treatment Plants, and the municipal airport. Construction is set to begin in the fall of 2023.
- Continued working on a project to create a 20MW solar installation on the City's capped landfill, which, when complete, would be one of the largest landfill solar projects in the nation.
- Supported clean energy legislation introduced in the Michigan House and Senate, including Community Solar legislation and legislation to remove the 1% distributed generation cap.
- Submitted a grant to the U.S. Department of Energy to formally create the proposed Sustainable Energy Utility. Decisions on this grant opportunity

are due in mid-2024.

- Released a request for proposals in tandem with the University of Michigan to add an additional 1MW of solar to City facilities, and upwards of 20MW at University sites.
- OSI staff served on the national SolSmart Advisory Committee.
- Staff participated in multiple Michigan Public Service Commission working groups, technical conferences, and stakeholder meetings related to reliability and distributed energy resources.
- Supported (and continue to support) geothermal studies and analysis at two future Ann Arbor Housing Commission (AAHC) sites.
- Secured support from the National Renewable Energy Laboratory to determine data needs for a district geothermal study around Veterans Park.

# 2

## STRATEGY TWO:

### **SWITCH OUR APPLIANCES AND VEHICLES FROM GASOLINE, DIESEL, PROPANE, COAL, AND NATURAL GAS TO ELECTRIC**

*Advancing Strategy 2, also known as beneficial electrification, has been a significant area of focus for OSI during year three of A<sup>2</sup>ZERO. A lot of work in this area is considered foundational, with the goal of creating new initiatives and programs in year four that will help residents and businesses transition to cleaner and healthier ways to heat and power their lives. Activities undertaken in year three to advance beneficial electrification include:*

- Designed – and are currently piloting – a Home Energy Advisor service with Elevate and EcoWorks to assist residents with [home electrification](#), including needs assessments, technical advice, contractor engagement, incentives and rebates, bid reviews, and customized paths to reducing greenhouse gas (GHG) emissions in homes.
- Held the first annual [Electrification Expo](#) with 25 vendors and around 450 attendees; the second annual Expo is planned for August 2023.
- Continued contractor education and engagement, with 22 contractors state-wide now achieving their [Michigan Saves](#) Electrification Badge, a badging program created by Michigan Saves with assistance from the City.
- Won a planning grant from the U.S. Department of Energy to design a district geothermal loop in the Bryant neighborhood.
- Created an A<sup>2</sup>ZERO sustainability review for new buildings, which is now a part of the City's [plan review process](#).
- Currently developing a homeowner's association (HOA) and multi-unit developments (MUD) toolkit for overcoming barriers to solar/EV charger installation for residents in HOAs or MUDs.
- Received a \$54,000 State of Michigan grant to install the City's first curbside EV chargers, which should be installed by fall 2023.



- Introduced the first heavy electric truck into the City fleet, a fully electric bucket truck for use by Signs and Signals.
- The City's light fleet reached 20% electric, with the first electric pickups and vans integrated into the fleet.



- OSI is leading the City's work on a new heating franchise to ensure that all Ann Arborites have access to safe, healthy, clean, and affordable heating and cooling choices. This includes a [new website](#), community listening sessions, a request for ideas, and a new email address to receive public comments: [franchisefeedback@a2gov.org](mailto:franchisefeedback@a2gov.org).

- Collaborated with IBEW/NECA - our local Electrical Workers Union - on electrification readiness and supported their campaign called "[The Future is Electric](#)." As part of this campaign, IBEW/NECA have released a series of informational videos to help residents know what might be involved in upgrading their homes for electrification of appliances and vehicles.

- Held a convening with over 30 contractors across multiple disciplines to discuss misconceptions around electrification, promote City electrification programs and resources, collect feedback on soon-to-be created A<sup>2</sup>ZERO rebate programs, and discern best practices for increasing electrification through contractor collaboration.



# 3

## STRATEGY THREE:

### **SIGNIFICANTLY IMPROVE THE ENERGY EFFICIENCY IN OUR HOMES, BUSINESS, SCHOOLS, PLACES OF WORSHIP, RECREATIONAL SITES, AND GOVERNMENT FACILITIES**

*Energy efficiency – or energy waste reduction – is a critical element of achieving our A<sup>2</sup>ZERO goals. This work area continues to be one of the most challenging to get excitement around, but notable activities were undertaken in year three of A<sup>2</sup>ZERO to help Ann Arborites save money and reduce the amount of energy they use, including:*

- Provided \$300,000 in grants to local housing providers to implement energy efficiency improvements in the homes of individuals with lower incomes.
- [Aging in Place Efficiently](#) (AIP) completed energy efficiency and aging in place retrofits in the homes of 17 program participants, helping to stabilize housing, offset potential costs of falls or displacement, and reduce energy burdens with \$45,800 in utility costs saved – plus a reduction of 113 metric tons of carbon emissions. This pilot program has closed, and efforts to seek additional grant funding are on-going.
- Created a program to work with AIP participants to confirm the legal status of their home in order to help stabilize housing.
- Began decarbonization audits with a local engineering team at four municipal buildings, with the goal of fully decarbonizing these buildings by 2025.
- Implemented a [commercial energy and water benchmarking ordinance](#), the first in the State of Michigan.
- Fully drafted a Home Energy Rating Disclosure policy for home sales at time of listing, with the goal of introducing the ordinance in summer 2023.
- In collaboration with Community Action Network (CAN), won \$500,000 to advance neighborhood decarbonization in Bryant, which is helping 19



households make health, safety, and quality of life improvements.

- Actively promoted the State’s adoption of the 2021 International Model Building Code, which would significantly improve the health and safety of new buildings.
- Submitted a grant proposal to increase electric vehicle charging at public sites throughout the City.
- Began designing a future Green Business Challenge in collaboration with SPARK and local businesses.
- Won a grant to replace all City streetlights with LEDs, starting in 2024.
- Initiated workforce development conversations with IBEW 252.



- Launched and concluded the City's first [Resident Race to Zero Energy](#), with over 100 participants.
- Collaborated with the Ann Arbor Housing Commission to secure \$3 million in federal aid to advance net zero energy affordable housing in the City.



# 4

## STRATEGY FOUR:

### **REDUCE THE MILES WE TRAVEL IN OUR VEHICLES BY AT LEAST 50%**

*How we move about our community has a significant impact on our local carbon footprint. That is why the City, under the leadership of the Transportation and Planning Departments, has been working on numerous activities to help us reduce vehicle miles traveled by 50%, including:*

- Released a request for proposals for a [Comprehensive Plan](#) update – with carbon neutrality and equity being two priority areas of focus.
- Supported expansion of protected bike lanes, with 20+ more miles slated for development in the coming five years.
- Supported an Ann Arbor Area Transit Authority (AAATA) [propulsion study](#) to identify solutions for carbon-free busing.
- [Filled 2.5 miles of sidewalk gaps](#) and installed two new crosswalks.
- Installed 3.1 miles of new or improved bike lanes and enhanced multiple bike lane intersections.
- Ann Arbor was recognized as a Gold-level “Walk Friendly” community by the Walk Friendly Communities program – one of only 23 cities recognized in the U.S.
- Ann Arbor received Gold-level Bicycle Friendly Community designation from the League of American Bicyclists.
- Ann Arbor Downtown Development Authority (DDA) won the League of Michigan Bicyclists Outstanding Infrastructure Award for most improved bicycle-friendly infrastructure in the past year.
- Passed a resolution to restrict turns on red lights in



the downtown, reducing vehicle/bicyclist conflicts.

- The community passed a millage to support TheRide in improving and expanding public transit (goes into effect in 2024).
- The City rezoned approximately 400 acres to TC1 ([transit corridor](#)) status.
- Initiated a new speed management program to help reduce traffic accidents and advance the City’s goal of zero traffic fatalities and serious injuries ([Vision Zero](#)).

# 5

## STRATEGY FIVE:

### **CHANGE THE WAY WE USE, REUSE, AND DISPOSE OF MATERIALS**

*If we had to pick a word of the year in the OSI office, it would be circularity! Year three of A<sup>2</sup>ZERO saw many exciting activities focused on advancing the circular economy, and residents can expect a lot more work in this area in coming years. Some notable activities in year three include:*

- Worked with a group of University of Michigan policy students to develop an initial framework for reducing embodied carbon in buildings.
- Held a week-long [Plant-Based Challenge](#) to encourage the adoption of plant-forward diets. The Challenge had approximately 200 residents participating; saw over 300 attendees at both in-person and virtual events; and was supported by eight local restaurants, six A<sup>2</sup>ZERO Ambassadors, and seven local non-profits and governmental departments.
- Held a [Local Food Festival](#) at the Ann Arbor Farmers Market, which was attended by seventeen local businesses, non-profits, and community organizations, as well as by over 300 residents.
- Held a virtual Holiday cooking demonstration and compiled an [A<sup>2</sup>ZERO Holiday cookbook](#).
- Together with a working group of local business owners and City staff, developed a rough draft of a sustainable food framework which the City is now working to implement.
- In partnership with non-profit Live Zero Waste, maintained the [A2R3 returnable containers program](#) at four local restaurants and partnered with zero-waste team at Perpetual to begin designing a more reusable landscape in Ann Arbor.
- Applied for an EPA grant to support upgrades to the drop-off station and to scale up the A2R3 program.
- Launched a zero waste challenge for University of Michigan students.



- Conducted three working sessions with a broad cross-section of Ann Arbor residents, which helped build trust and gain insight on how all residents interact with the circular economy.
- Hosted three [neighborhood swap days](#) and created a replication guide so others can host a swap day in their neighborhood or with their organization.
- Updated the [circular economy GIS map](#) to highlight businesses and organizations in Ann Arbor working to advance the circular economy.
- Created a [video](#) explaining what the Circular Economy is and its implications as part of a new series called “Making the Old New: Stories of Circularity.” Also completed two additional videos in the series about the [Sister Lakes Association](#) and [El Harissa](#).
- Created a decluttering/moving database and outreach magnet to provide resources for those

moving or wishing to downsize their possessions. Find the link on the city's [reuse page](#).

- Hosted two events to address waste when students move into and out of the city. The events included reuse and recycling for scrap metal, foam, and general recycling as well as donations to Kiwanis.

- A<sup>2</sup>ZERO Ambassadors initiated work to increase composting rates by undertaking deep engagement activities and by distributing compost carts to residents who don't yet have them.

- Began individualized outreach to the more than 300 multi-family complexes in the city around reduce, reuse, and recycling guidelines.

- The Greenbelt launched an innovative acquisition framework known as buy-Protect-Sell geared toward providing affordable farmland purchasing opportunities for land insecure farmers.

- Began work with The Ecology Center to improve resource management in five areas: youth (2nd and 7th grade field trips), multi-family units, commercial businesses, and events outreach - as well as engagement to design a social media-based marketing campaign to encourage reduction, reuse, recycling, and composting.



# 6

## STRATEGY SIX:

### ENHANCE THE RESILIENCE OF OUR PEOPLE AND OUR PLACE

*Enhancing the resilience of our people and our exceptional community are pivotal elements of A<sup>2</sup>ZERO, as well as work to enhance overall quality of life for existing and future Ann Arborites. Year three of A<sup>2</sup>ZERO saw the following resilience-related activities:*

- Completion of the second resilience hub in Ann Arbor, located at the Bryant Neighborhood Community Center.
- The [A<sup>2</sup>ZERO Ambassador program](#) grew to 85 members, and we will reach over 100 ambassadors with our next cohort ([applications open now!](#))
- Established and staffed an emergency preparedness shelter at Northside Community Center Resilience Hub during the February ice storm for five days.



- Reached approximately 5,750 trees planted/distributed through the [10,000 Trees program](#).

- Together with Public Works and Natural Areas Preservation, submitted a USDA Forest Service Urban & Community Forestry Inflation Reduction Act grant proposal to fund an

update to Ann Arbor's Urban Tree Canopy assessment, advance private property tree planting efforts, create a NAP management plan, and conduct a feasibility study for a City- and County-owned tree nursery.

- Presented on the [10,000 Trees program's](#) progress and success at the 2023 Partners in Community Forestry conference and ArborCon 2023.
- Installed two additional [air quality monitors](#), bringing the total number up to four.
- The Greenbelt reached 7,600 acres of farmland and



natural areas permanently protected surrounding the City of Ann Arbor. The farmland protected by the Greenbelt has the potential to produce the calories needed to feed over 52,000 people!

- Launched a data visualization platform for air quality monitoring at [www.a2gov.org/airdata](http://www.a2gov.org/airdata).
- Launched the [Pollinator-Aware Yard Care program](#), a restructuring of last year's No Mow May program, with over 250 residents registered as participants.
- Hosted over a dozen community-based organizations to explore creation of a resilience network.
- Applied for a federal EPA grant to formally launch a resilience network and expand resilience hubs throughout the County.

# 7

## STRATEGY SEVEN:

### OTHER STRATEGIES (NOTABLE ACCOMPLISHMENTS OR EFFORTS)

Many of the activities undertaken to advance A<sup>2</sup>ZERO fall into multiple strategies or are critical to all strategies. For example, community engagement, transparency, and OSI's equity work help advance all A<sup>2</sup>ZERO strategies. Some activities completed in year three classified as other actions include:

- Coordinated with Ann Arbor Public Schools and Washtenaw County to complete their greenhouse gas emissions inventories.
- For the second year in a row, Ann Arbor was recognized on the CDP's A List as one of 122 cities and counties across the globe that are taking bold leadership on environmental action and transparency.
- Ann Arbor was recognized for its environmental leadership by the statewide Michigan Green Communities program with a Gold Level achievement award.
- OSI led state-wide, regional, and national engagement around the [Solarize Ann Arbor](#) model, including publication of an updated Toolkit, conference invitations, and OSI staff recognition by the Great Lakes Renewable Energy Association with the Exemplary Partnership Award.
- Three OSI staff graduated from Champions for Change, elevating their commitment to racial equity in work and life. As of publication, five OSI staff have completed this program.
- Staff participated in multiple



national cohorts with peer cities for sharing of best practices and collaboration around climate work, including electrification, renewable energy, and equity.

- Re-structured the [A<sup>2</sup>ZERO newsletter](#), The Charging Station, and began releasing monthly issues.
- Continued our adoption of Bandemer Park through GIVE365's [Adopt-A-Park program](#).
- Partnered with Leslie Science & Nature Center and the Huron River Watershed Council to organize the annual Earth Day Festival.
- OSI staff member joined the University of Michigan Museum of Natural History's Board of Advisors.
- Engaged the A<sup>2</sup>ZERO Collaborators network via virtual



and in-person events designed to unlock their potential as planning and implementation partners. Plus, the A<sup>2</sup>ZERO Collaborators network grew to over 120 organizations!

- OSI held a summer and fall Green Fair, bringing sustainability to the community through a wide variety of engagement platforms at the one-day event.
- Ann Arborites voted to become the 8th community in America to tax themselves to fund local

climate action in November by passing the [20-year Community Climate Action Millage](#).

- Granted over \$70,000 through our [Sustaining Ann Arbor Together](#) grant program for community activities that help advance A<sup>2</sup>ZERO.

- Hosted over 150 community events, meetings, presentations, or discussions with a wide variety of Ann Arborites.

- Had a successful Sustainability Forum series, including presentations to the community on the circular economy, sustainable housing and transportation, home electrification, and renewable energy.

- Launched a small grant program with Ann Arbor Public Schools to support sustainability-related projects in public schools.

- Continued work to make Bryant America's first carbon neutral neighborhood.

- Hosted Vice President Kamala Harris to discuss sustainability activities in Ann Arbor and throughout the nation.

- Participated in multiple national conversations regarding climate-based migration and began exploring ways to integrate climate migration into city infrastructure and service planning.

- With support from ReDirect, secured three summer fellows for the second year in a row to help advance sustainability-focused behavior change activities.

- Worked with regional stakeholders to explore the feasibility of a regional climate collaborative.

- Helped organize a session at UMMA about the climate millage, voting, and democracy.

- Joined Bicentennial planning teams to ensure sustainability is integrated into all City efforts to celebrate our 200th birthday in 2024.

- OSI staff joined the Southeast Michigan Council of Governments (SEMCOG) Green Task Force to advance sustainability across the region.

- OSI staff joined Ann Arbor Rotary and helped create the local chapter's Environmental Action Group.



- OSI submitted multiple grants and was successful in securing:

- Energy Efficiency and Conservation Block Grant (\$180,000) to make the Bryant Community Center a carbon negative building and living demonstration site.
- MI-HOPE (\$500,000) for the work to decarbonize the Bryant neighborhood.
- AmeriCorps program (\$229,000) to bring 10 AmeriCorps Members to OSI to support local sustainability-related engagement and education.
- Washtenaw County Waste Reduction Sponsorship (\$4,000) to advance A2R3.
- U.S Department of Energy Community Geothermal Planning Grant (\$580,000) to design a district geothermal system in Bryant.
- Clean Energy to Communities (Technical Assistance) to identify data needs and draft a request for proposals for a geothermal design around Veterans Park.
- State of Michigan (\$25,000) to support LED lighting conversion at Wheeler Service Center.
- SEMCOG Carbon Reduction Program (\$980,000) for LED streetlight conversions across the City, starting in fall 2023.
- SEMCOG Carbon Reduction Program (\$200,000) for the Washington Street Bike Boulevard to start in fall 2025.
- State of Michigan (\$54,000) to install the State's first utility pole EV charging program.
- Urban Sustainability Directors Network Emergent Learning Fund (\$20,000) to advance equitable community engagement around the circular economy.
- State of Michigan (\$10,000) to advance work around the circular economy.
- Urban Sustainability Directors Network Mini-Grant (\$15,200) to AIP support.



## YEAR FOUR PRIORITIES

*As illustrated above, year three of A<sup>2</sup>ZERO was filled with a wide variety of activities, most of which are foundational for our short and long-term success. As we look forward to year four, the Office of Sustainability and Innovations has identified a series of priorities, including:*

- Launching the A<sup>2</sup>ZERO Assessment: Path to Zero for all residents.
- Launching a series of residential rebates and incentives programs thanks to the recently passed Community Climate Action Millage.
- Achieving 5MW of rooftop solar through Solarize.
- Breaking ground on Wheeler Center Solar Park on the City's capped landfill.
- Collaborating with Washtenaw County and other regional stakeholders to expand County-wide climate action, including expanding many A<sup>2</sup>ZERO programs across the County.
- Continue growing the momentum and support for the Bryant neighborhood decarbonization program, including securing funding to help 20 homes become fully carbon neutral.
- Continue investigating pathways to achieve 100% renewable energy powering the community with a strategy brought to Council for formal consideration by year's end.
- Making the Bryant Community Center a carbon negative building and the City's living, learning laboratory for climate action.
- Creating a circular economy strategy that is co-designed with a wide variety of Ann Arborites.
- Creating Ann Arbor's third and fourth resilience hubs.
- Deepening and sustaining community engagement, with a focus on engagement in underrepresented communities.
- Deploying 50 more EV chargers.
- Embedding A<sup>2</sup>ZERO in the community's comprehensive land use plan and unified development code.
- Completing the next two rounds of A<sup>2</sup>ZERO Ambassadors, bringing the total number of residents trained through the program to over 100.
- Expanding and unlocking greater collaboration opportunities with the A<sup>2</sup>ZERO Collaborators and OSI.
- Finalizing a green rental housing initiative and formally launching the program.
- Finalizing and formally launching a home energy rating disclosure initiative.
- Securing funding to scale the Aging in Place Efficiently program.
- Installing at least four more air quality monitors through Ann Arbor.
- Installing at least 4MW of solar at City facilities, including multiple energy storage systems.
- Planting 10,000 trees and conducting a survival study to understand efficacy of the program.
- Fully launching the A<sup>2</sup>ZERO Home Energy Advisor Program.



# YEAR THREE ANNUAL REPORT

JULY 1, 2022–JUNE 3, 2023

## CLOSING



A<sup>2</sup>ZERO is our community's plan to become carbon neutral in a just and equitable way by the year 2030. Achieving this audacious, aggressive, and scientifically necessary plan requires all of us. Learn more about how to join us in the movement at [www.a2gov.org/sustainability](http://www.a2gov.org/sustainability). With questions about our achievements, our work so far, or our future endeavors, please contact us at [Sustainability@a2gov.org](mailto:Sustainability@a2gov.org).

