

SBSTAT | Q1 2023



Agenda

Modified Climate Action Plan

Climate Action Plan Update Timeline

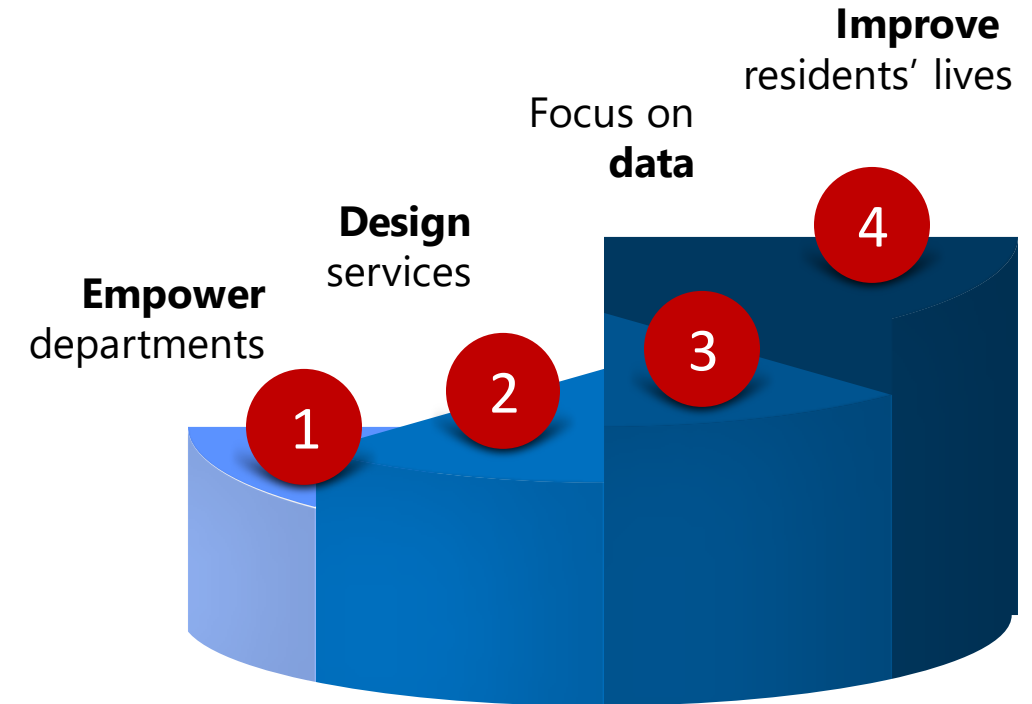
Tree Canopy Goal Discussion

Wrap Up

Why we're here

Citywide Performance Management

The purpose of SB Stat is to bring the most powerful people in the City – the Mayor, Department Heads, and key staff – into a room to **use data and take action** on some of the City's most pressing challenges



Stat meeting structure & cadence

- The Mayor's Office sets the agenda for the meeting
- The Business Analytics team schedules the meeting each quarter and invites attendees
- The Business Analytics team documents all action items discussed during the meeting and assigns each item to the appropriate City team

Participants

Purpose in the Stat meeting

Project Leads , analysts, and other key staff



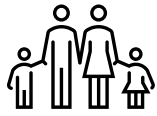
- Lead discussion on assigned projects
- Contribute with ideas, knowledge on data sources, and suggestions for improving performance

Mayor & Department Heads

- Share ideas, ask questions, and contribute to discussion on strategy and performance targets,
- Assign next steps to relevant members of their department/teams

Sustainability Stat Purpose + Decision Points



<p>Purpose of Sustainability Stat</p>	<p>Convene quarterly with City teams to establish a performance management framework and practices for the City's Sustainability Goals. This includes:</p> <ul style="list-style-type: none"> Defining the goals, metrics, and activities for the City's Sustainability Team Reviewing sustainability metrics and programs quarterly to inform strategy and make course corrections Updating the City's Climate Action Plan
<p>Decision Points for the Mayor</p>	<ul style="list-style-type: none">• City staff have developed different options for the Mayor to consider in each Sustainability focus area, categorized as (1) Bold, (2) Significant, or (3) Necessary• City staff needs guidance on setting public-facing goals to mobilize the community

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DISCUSSION

1. The following slides present the proposed mission, focus areas, strategies, activities, and potential metrics for the City's Sustainability Team and serve as a temporary, modified version of the City's Climate Action Plan –
 - Is this proposal on the right track? Any changes we should make?
 - Is there anything missing?

2. We presented on the scope and performance of our current programs –
 - Are we satisfied with the current results? Where do we want to see more impact?
 - Are there any programs that we should consider discontinuing or combining with other City programs?

	Action	Additional Stakeholders	Municipal Role	Timeframe/ Impact	Co-Benefits	Cost
GOAL T1. Reduce vehicle miles traveled (VMT) and single occupancy vehicle (SOV) trips						
T1.1	Promote and strengthen public transit	Transpo, MACOG, State of Indiana, SBR Chamber, Local Businesses & Institutions	Planning Advocacy Promotion	Short, Ongoing High Impact	Cost Savings Public Health Economic Growth Quality of Place Increased Transportation Access Increased Equity	\$\$\$
T1.2	Promote and improve bike share and alternative mobility programs	Program Providers, MACOG, SBR Chamber, Local Businesses	Funding Program Management Promotion Partnership Building	Short, Ongoing Medium Impact	Cost Savings Public Health Economic Growth Quality of Place Increased Transportation Access	\$\$
T1.3	Promote and advance biking and walking through education and community partnerships	Bike Michiana Coalition, School Corporation, MACOG, Community Recreation Centers (YMCA, etc.), Local Businesses, Community Organizations	Promotion Partnership Building	Short, Ongoing Medium Impact	Cost Savings Public Health Quality of Place Increased Transportation Access Increased Equity Increased Engagement	\$
T1.4	Reduce the length and frequency of vehicle trips with land use and economic development	Local Developers, Transpo, MACOG, SBR Chamber, Economic Development	Planning Funding Program Management Regulation Promotion	Medium, Ongoing High Impact	Public Health Economic Growth Quality of Place Increased Transportation Access Cost Savings	\$
T1.5	Prioritize infrastructure investments that advance access to transit and active transportation options	Transpo, MACOG, INDOT, NICTD	Planning Funding Program Management Advocacy	Medium, Ongoing High Impact	Public Health Economic Growth Quality of Place Increased Transportation Access Increased Equity	\$\$\$
T1.6	Promote carpool and vanpool services	Transpo, SBR Chamber, Local Businesses	Advocacy Promotion	Medium, Ongoing Medium Impact	Cost Savings Public Health Quality of Place Increased Transportation Access Increased Equity	\$\$
T1.7	Promote and strengthen passenger rail services for regional travel	MACOG, NICTD, Amtrak	Funding Program Management Advocacy Promotion	Medium, Ongoing Medium Impact	Economic Growth Quality of Place Increased Transportation Access	\$\$\$



GOAL T2. Transition to cleaner, more efficient vehicle fuels and technology						
T2.1	Undertake and promote diesel engine retrofits in municipal and commercial fleets	Transpo, School Corporation, SBR Chamber, Economic Development, MACOG, INDOT, IDEM	Funding Program Management Promotion	Medium, Ongoing High Impact	Public Health Quality of Place Increased Equity	\$\$
T2.2	Incentivize community members to retire older vehicles and replace them with alternative fuel vehicles	Transpo, School Corporation, MACOG, INDOT, IDEM	Funding Program Management	Medium, Ongoing Medium Impact	Cost Savings Public Health Economic Growth Increased Equity	\$\$\$
T2.3	Advocate for increased state vehicle emissions testing requirements in St. Joseph County	Indiana State Legislature, IDEM, INDOT	Advocacy Regulation	Medium, Ongoing Medium Impact	Public Health Increased Equity	\$
T2.4	Promote anti-idling technology locally	Transpo, School Corporation, SBR Chamber, Economic Development, INDOT, IDEM	Promotion	Medium, Ongoing Medium Impact	Cost Savings Public Health	\$
T2.5	Promote upgrades to vehicles that reduce road friction and wind resistance	Transpo, School Corporation, SBR Chamber, Economic Development, INDOT, IDEM	Promotion	Medium, Ongoing Low Impact	Cost Savings	\$
T2.6	Identify how adoption of autonomous vehicle technology can drive fuel efficiency and emissions reductions	MACOG, INDOT	Planning	Long High Impact	Cost Savings Public Health Economic Growth Quality of Place Increased Transportation Access	\$

Action	Additional Stakeholders	Municipal Role	Timeframe/ Impact	Co-Benefits	Cost
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GOAL E1. Increase energy efficiency in residential, industrial, and commercial sectors



E1.1	Expand energy efficiency audits for buildings	I&M, NIPSCO, SBR Chamber, Homeowner Associations, Property Management Firms	Funding Program Management Promotion Partnership Building	Short, Ongoing Medium Impact	Cost Savings Economic Growth Increased Engagement	\$
E1.2	Enact an energy benchmarking ordinance	Property Management Firms, Real Estate Groups, SBR Chamber, I&M, NIPSCO	Regulation Promotion	Short, Ongoing Medium Impact	Cost Savings Increased Engagement	\$
E1.3	Expand South Bend's regional energy efficiency workforce	Workforce Development Entities, SBR Chamber, I&M, NIPSCO, Economic Development	Program Management Promotion Partnership Building	Short Medium Impact	Economic Growth Increased Engagement	\$
E1.4	Update building codes to increase energy efficiency requirements	Property Management Firms, Building Trades, SBR Chamber, I&M, NIPSCO, State of Indiana	Regulation Advocacy	Medium, Ongoing High Impact	Cost Savings Increased Engagement	\$\$
E1.5	Develop local incentives for energy efficiency	Local Banks and Lenders, I&M, NIPSCO, SBR Chamber, Homeowner Associations	Promotion	Medium, Ongoing Medium Impact	Cost Savings	\$\$

GOAL E2. Transition to renewable energy sources

E2.1	Advocate for the conversion to renewable energy sources by local energy utilities	I&M, NIPSCO, IURC	Advocacy Promotion	Short, Ongoing High Impact	Public Health Economic Growth Quality of Place	\$
E2.2	Advocate for increased state incentives for renewable energy	State of Indiana	Advocacy	Short, Ongoing Medium Impact	Economic Growth Increased Engagement	\$
E2.3	Develop municipal incentives for renewable energy	Local Developers, I&M, NIPSCO, SBR Chamber, Neighborhood Associations	Funding Program Management Promotion	Short, Ongoing Medium Impact	Cost Savings Economic Growth Quality of Place Increased Engagement	\$\$
E2.4	Ensure incorporation of renewable energy into municipal operations	I&M, NIPSCO	Planning	Medium, Ongoing Medium Impact	Cost Savings Increased Engagement	\$\$
E2.5	Update and maintain permitting and procurement guidelines that facilitate renewable energy	I&M, NIPSCO	Regulation	Medium, Ongoing Medium Impact	Cost Savings Economic Growth Increased Engagement	\$
E2.6	Integrate renewable energy into land use and zoning policy	SBR Chamber, MACOG, I&M, NIPSCO Renewable Energy Developers	Planning	Medium, Ongoing Medium Impact	Economic Growth Quality of Place	\$\$



We are mobilizing
the community
to address the
climate emergency

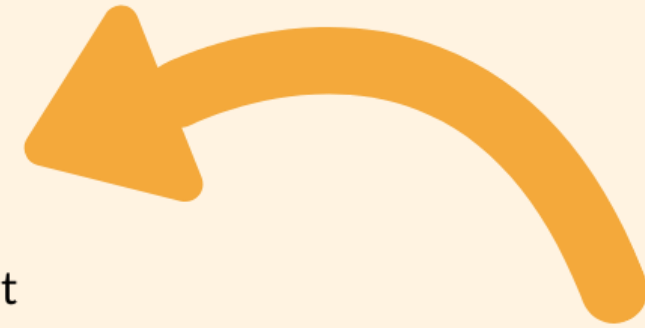
ILLUMINATE

ways to **reduce pollution** &
adapt to a changing environment



DESIGN DEVELOP & DELIVER

climate **solutions**



COLLABORATE

with the community



ULTIMATE GOALS



MITIGATION: *Reducing pollution & conserving resources*

- The community reduces its greenhouse gas emissions by 26% by 2025 from 2005 levels.

ADAPTATION: *Changing with climate*

- The City and community partners will increase the Urban Tree Canopy to 40% by 2050.
- More specific initiatives pending summer 2023 South Bend vulnerability assessment and adaptation plan.

ENVIRONMENTAL JUSTICE: *Targeting those most impacted by climate change*

- At least 40% of the Office of Sustainability's investments annually will go towards census tracts that are identified as disadvantaged according to the Council on Environmental Quality's EJ Screen Disadvantaged criteria.
 - Data [linked here](#).
 - Methodology description [here](#).

FOCUS AREAS

MITIGATION

Focus Area #1: Energy & Buildings

- Increase renewable energy
- Reduce energy usage
- Electrify buildings
- Train solar, energy efficiency, and electrification workforce

Focus Area #2: Transportation

- Electrify vehicles
- Reduce VMT (encourage active transportation and public transit)

Focus Area #3 – Zero waste and circular economy

- Encourage recycling

ADAPTATION

Focus Area #1 – Greenspace and ecosystem health

- Increase the tree canopy

Focus Area #2 – TBD (i.e. public health, emergency preparedness, flooding and stormwater management)

- Identify climate risks and vulnerabilities and create adaptation goals in 2023 South Bend vulnerability assessment
- Incorporate adaptation goals into updated CAP

ENVIRONMENTAL JUSTICE

Focus Area #1 – Justice40

- At least 40% of investments annually will go towards disadvantaged census tracts according to CEQ's EJ Screen criteria

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ENERGY & BUILDINGS | EXISTING PROGRAMS



EASSI 1.0

Description: Subsidized energy assessments, matching grants, and optional low-interest loans to nonprofit community organizations to complete energy efficiency and/or solar projects

Results:

- **19 energy audits** conducted
- **7 solar projects** (390kW of installed solar capacity)
- **13 energy efficiency projects** (high-efficiency HVAC, insulation, LEDs; energy & cost savings TBD)
- **More than \$1 million in combined public and private investment** in energy efficiency and solar
 - ~**\$281,000** in matching grants for EASSI nonprofits
 - ~**\$760,000** in private investment
 - Roughly for every **\$1 invested through EASSI grants, it generated ~\$2.72** in energy efficiency and solar investments

ENERGY & BUILDINGS | EXISTING PROGRAMS



EASSI 2.0

Description: Subsidized energy assessments, matching grants, and optional low-interest loans to nonprofit community organizations to complete energy efficiency, electrification, and solar projects

Preliminary Details:

- **8 energy audits** conducted
- **9 new organizations** served and potentially **5 returning organizations**
- **Increased matching grant amount (\$30k)** and higher matching percentage for **electrification projects**

ENERGY & BUILDINGS | | EXISTING PROGRAMS

VIBRANT PLACES

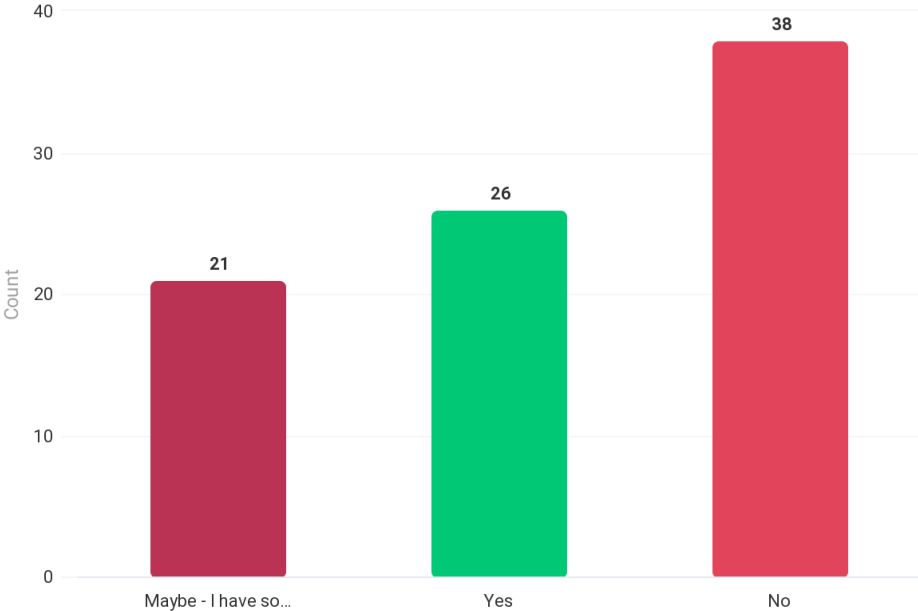


Description: Matching grants for commercial storefront exterior enhancements, with a higher percentage for sustainability-focused improvements and additional matching grants funds for solar PV

Preliminary Details:

- **85+ pre-applications**, 55% indicated an interest in solar
- **6 solar 101 session attendees**
- **2 feasibility studies** underway

Pre-Application Interest in Solar



ENERGY & BUILDINGS | EXISTING PROGRAMS

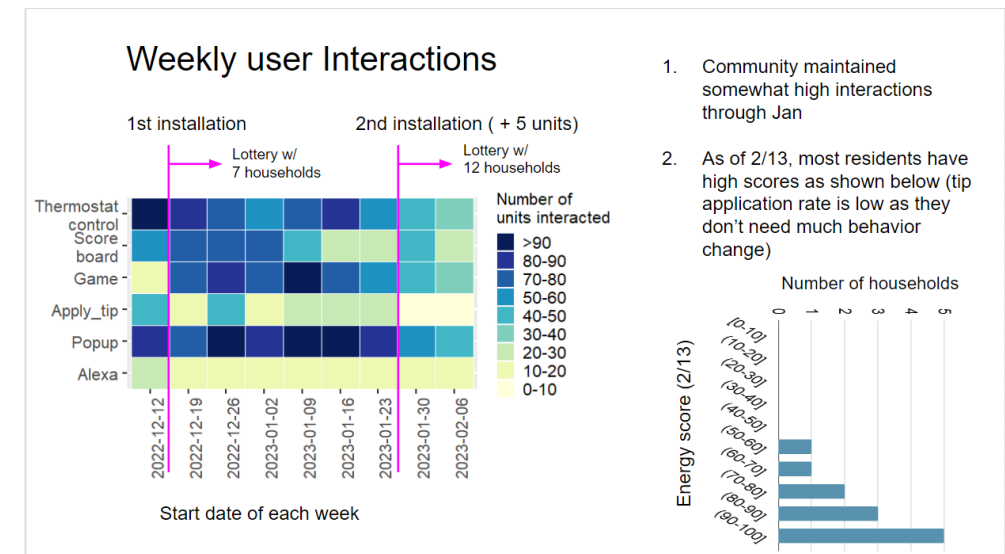
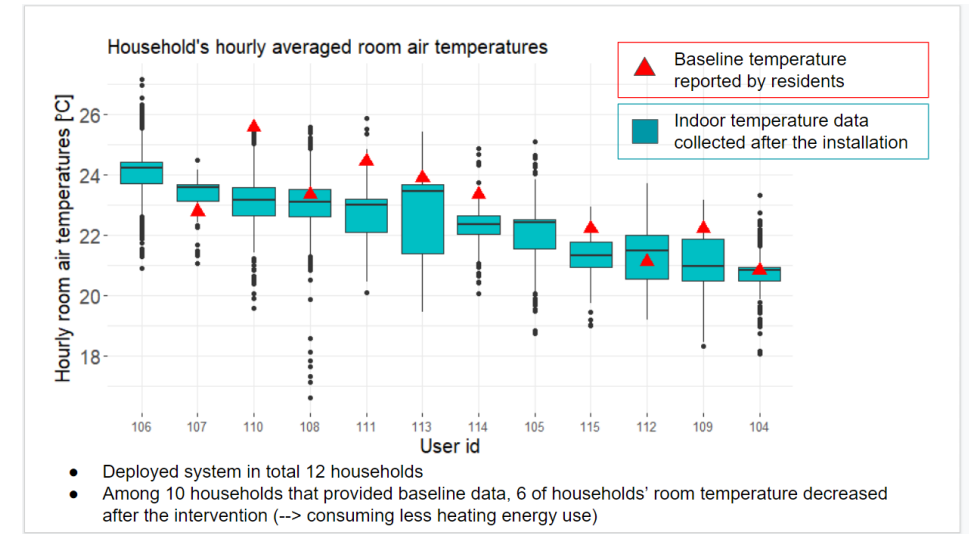
My Smart-E

Description: A residential software platform for smart home energy management. The software, called My SmartE, helps residents understand and reduce their home energy use through smart devices (a tablet and an Alexa) that provide personalized tips for reducing consumption and curate social games to encourage energy conservation.

Results:

- 12 community members in South Bend Mutual Homes have received MySmartE devices that were installed in their homes
- Among 10 households that provided baseline data, 6 of households' room temperature decreased after the intervention

Note: More robust residential program is being explored by OoS, enFocus, and Community Foundation; main focus on residential retrofits leveraging IRA tax credits and rebates



ENERGY & BUILDINGS | EXISTING PROGRAMS

Upskill SB



Description: Upskill SB subsidizes training and exam costs for professional, industry-standard certifications in multiple industries, including solar and energy efficiency.

Results:

- Supported 6 members in the inaugural cohort to pursue the NABCEP Solar PV Associate credential
 - 3 have finished the course and are planning to sit for the exam in spring 2023
- First cohort overall supported 25 learners and has already resulted in 6 certifications.

Upskill 2.0 offers the following credentials:

- National Association of Realtors (NAR) Green Designation
- Association of Energy Engineers' (AEE) Certified Energy Auditor and Certified Energy Manager
- North American Board of Certified Energy Practitioners (NABCEP)'s Solar PV Associate & advanced credentials
- LEED Green Associate, AP, and Green Rater

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TRANSPORTATION | EXISTING PROGRAMS

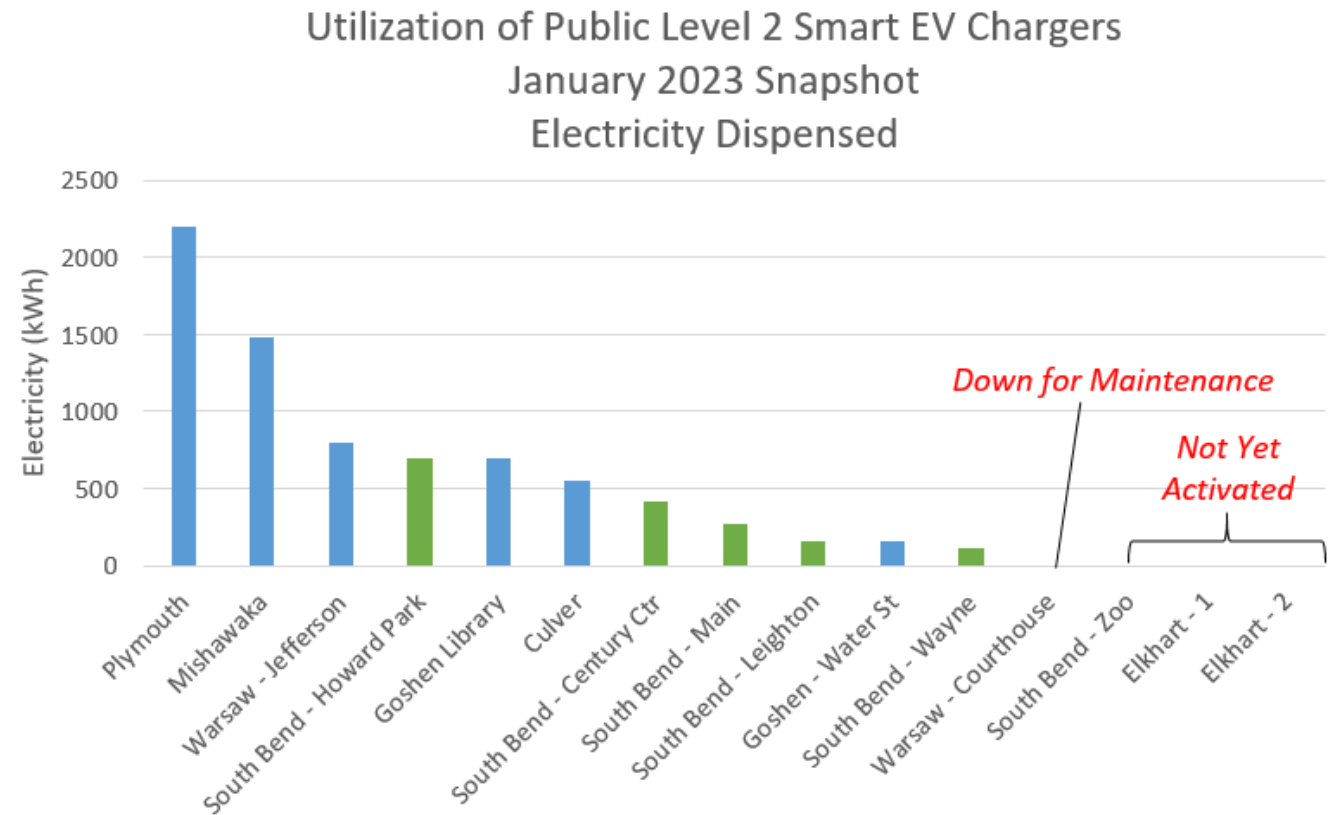
EV Installations

Description: Installed 8 plugs that were in storage since 2020 in winter 2022 and currently providing free charging at seven locations for two hours

Results: Level 2 Charging stations each with two plugs at:

- City County Building*
- Howard Park
- Leighton Parking Garage
- Main St. Parking Garage
- Wayne St. Garage
- Century Center
- Potawatomi Zoo

*Not a smart charger; cannot track usage



TRANSPORTATION | EXISTING PROGRAMS

EV Plan

Description: Hired the Brendle Group to draft a Community EV Infrastructure Plan that will:

- Enable the City to sustainably expand equitable access to public EV charging citywide
- Considers the City's role in solutions for residents that cannot add private EV charging at home
- Explores pathways for equitable access to workforce development opportunities in EV charging

It does not:

- Provide recommendations for municipal fleet electrification
- Address EV adoption directly

Preliminary Details:

- Internal City Working Group workshop held Friday 1/27
- Follow-up survey to launch before second and final workshop with city working group
- External Task Force workshop scheduled for Wednesday 3/22
- Aiming to finalize before DOT Charging & Fueling Infrastructure Grant application deadline May 30, 2023

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Smart Businesses Recycle

Description: Assists businesses to start a single-stream recycling service, improve their recycling capabilities, and reduce waste. Targeted incentives exist to offset the monthly cost of a recycling service, provide a discount on new recycling equipment, and provide a bonus grant for reducing trash volume and pick-up frequency.

Results:

- Collaborated with over 30 stakeholders in the development of the pilot program
- Met in-person with over 50 businesses to discuss the program
- 2 applications from nonprofits and 2 interested businesses
- Designed employee training program for recycling best practices

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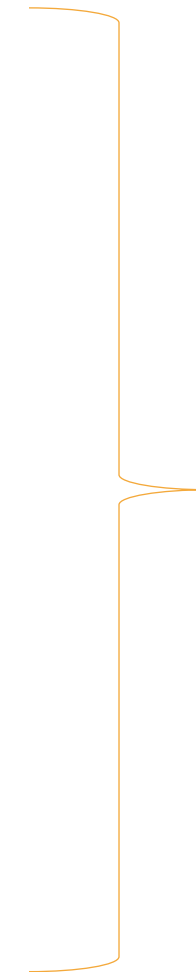
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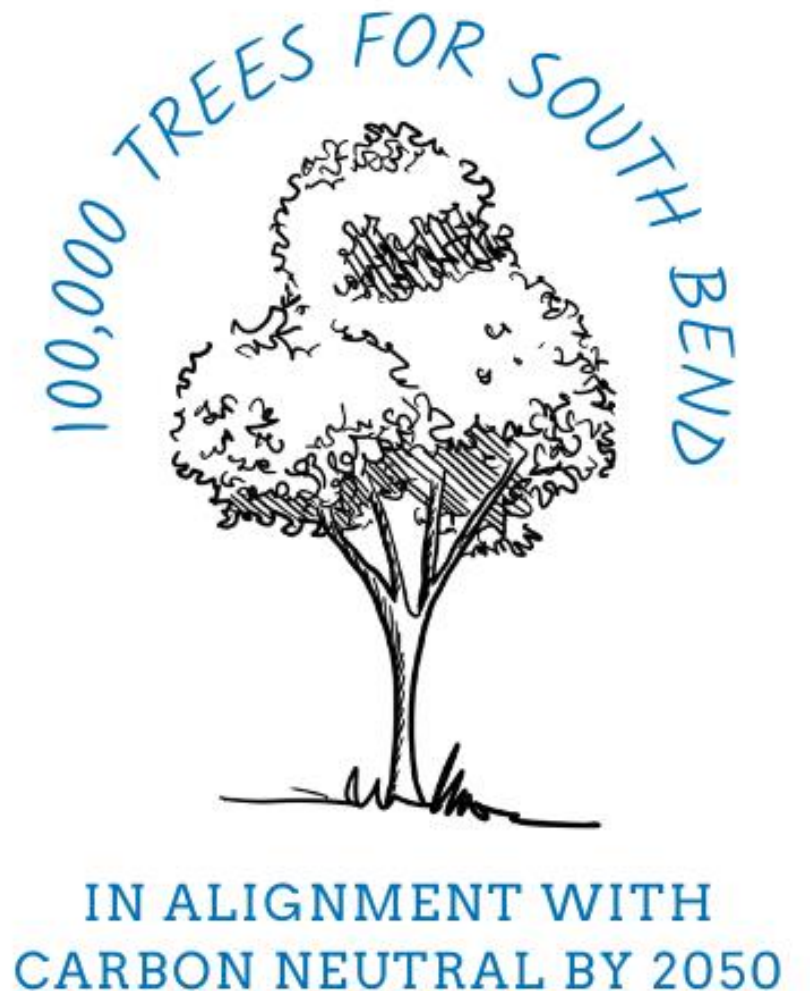
GREENSPACE & ECOSYSTEM HEALTH | EXISTING PROGRAMS

100,000 Trees for South Bend

Description: Organizing and launching a collaborative, large-scale tree planting campaign.

Results:

- Established a concrete goal (100k Trees)
- Creating a city tree fund that can accept in-lieu fees from developers, grant funds, and private donations.
- SBVPA, Shirley Heinze Land Trust, and the St. Joseph River Basin Commission are beginning to connect for co-learning and resource sharing (e.g., SHLT can bring specialized equipment and volunteers for spike planting days) starting this spring.



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CAP Update

WHAT DO WE MEAN BY “UPDATE”?

In this context, “update” refers to an evidence-based rewriting of the climate action plan (CAP) to include additional or expanded actions. For example:

- incorporate both mitigation and adaptation goals
- include metrics, goals, and method to measure progress
- recognize active community partners and their responsibility in achieving CAP goals

CAP Update Timeline

Timeframe		Action	Description	Status
2022	December	Adjust CAP update timeline	Council amends Resolution 4787-19 to revise the update cycle from 3 to 5 years	DONE
2023	January - May	Community engagement for CAP update	Launch Climate Action Ambassadors Program and host 15 Climate Action Survey Sessions (collecting 225+ responses to the CAP Update Survey)	IN PROGRESS
	May – July	Adaptation assessment to inform CAP update	Conduct a climate risks and vulnerability assessment through IU Environmental Resilience Institute’s Resilience Cohort programming with support of a Climate Fellow	NOT STARTED
	August ('23) – March	Draft updated CAP & goal setting process	Draft updated CAP including both mitigation and adaptation goals ; establish clear processes for tracking and reporting on implementation progress Could incorporate working groups to provide input on specific topics/goals/sectors	NOT STARTED
2024	March – June	Community engagement for CAP update	Leverage Ambassadors program-style-outreach to re-engage community and seek input on updated CAP; seek opportunities to overlap with Comprehensive Planning Process	NOT STARTED
	June - August	Finalize CAP	Determine publishing platform/medium for publishing the CAP and finalize content	NOT STARTED
	September	Draft new resolution with Council	Work with Council to draft a new resolution to support implementation of the updated CAP and formalize reporting processes	NOT STARTED
	October - November	Present CAP to Council	Updated CAP is presented to and approved by Council	NOT STARTED

Climate Ambassador Program

- \$15,000 from USDN
- 15 Ambassadors
- 11 community organizations represented



CLIMATE ACTION SURVEY SESSIONS

OFFICE OF SUSTAINABILITY

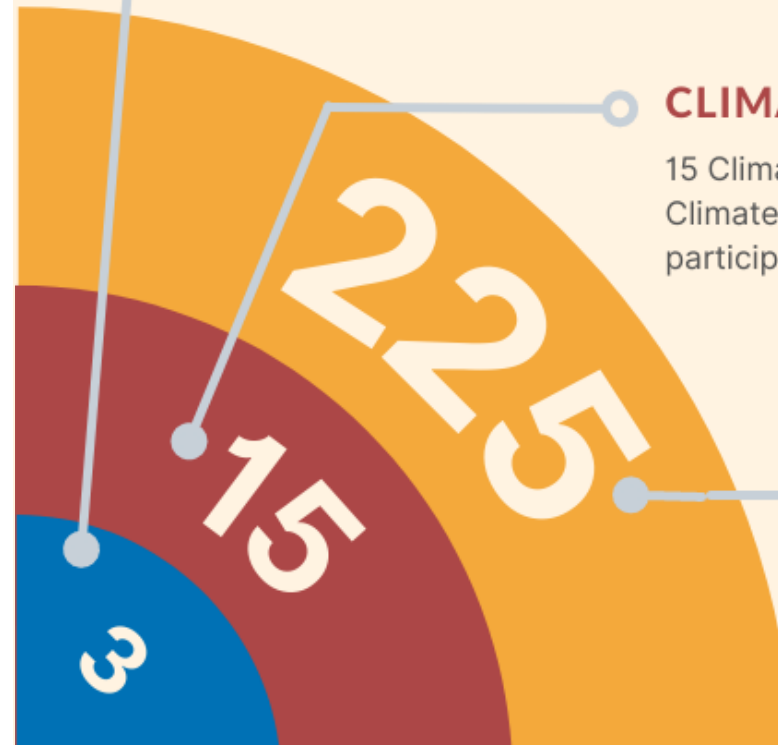
City staff design the program, apply for funding, and support Climate Action Ambassadors.

CLIMATE ACTION AMBASSADORS

15 Climate Action Ambassadors each host one Climate Action Survey Session with 15 community participants. Volunteers receive a \$250 stipend.

COMMUNITY PARTICIPANTS

225 community participants are paid \$25 for one hour of their time to complete the Climate Action Planning Survey in a Survey Session.



DISCUSSION

1. Does this timeline align with expectations?
2. Is there anything missing from the process or the content for the updated CAP as outlined?



Timeframe		Action
2022	December	Adjust CAP update timeline
2023	January - May	Community engagement for CAP update
	May - July	Adaptation assessment to inform CAP update
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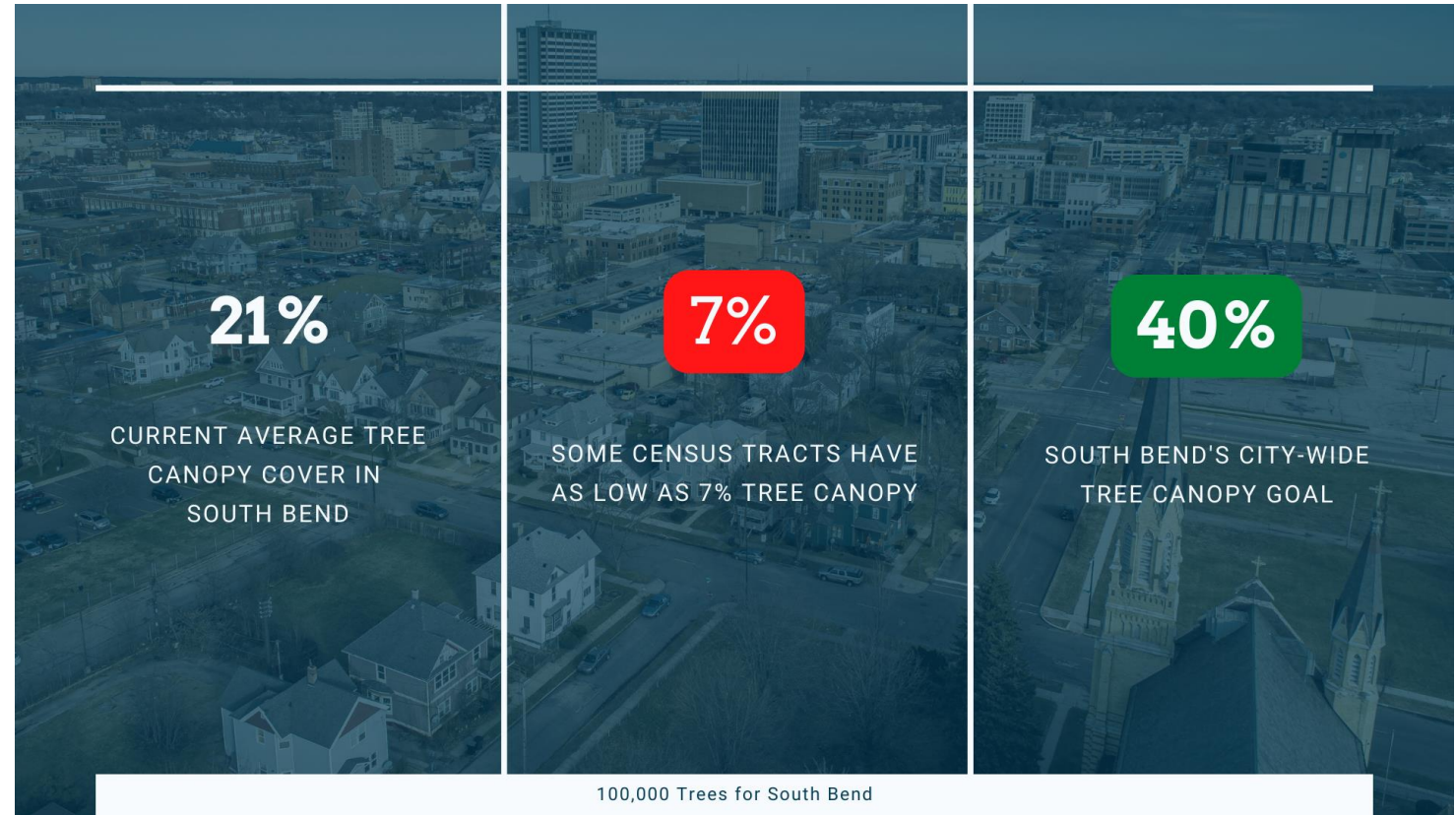
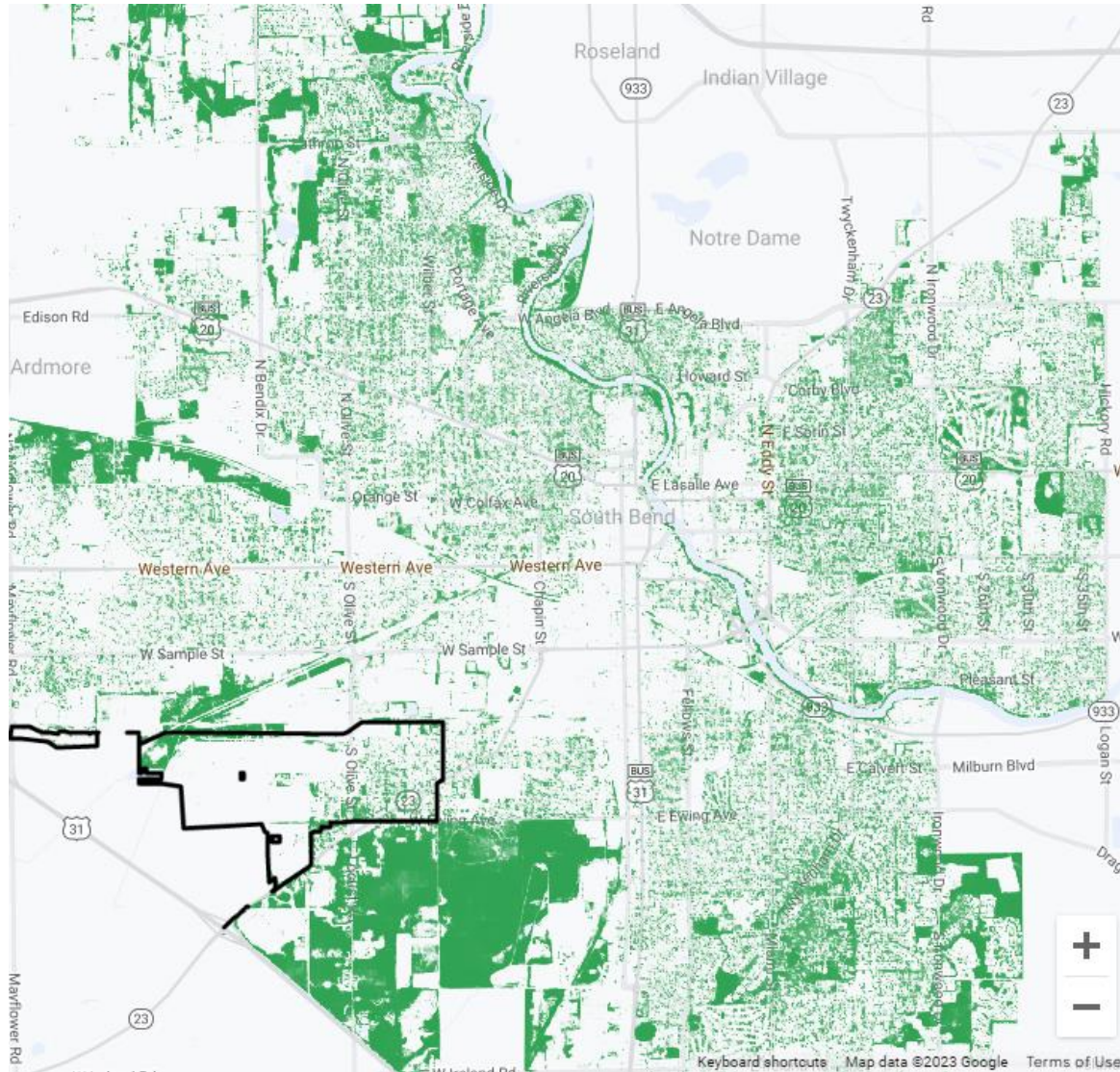


DISCUSSION

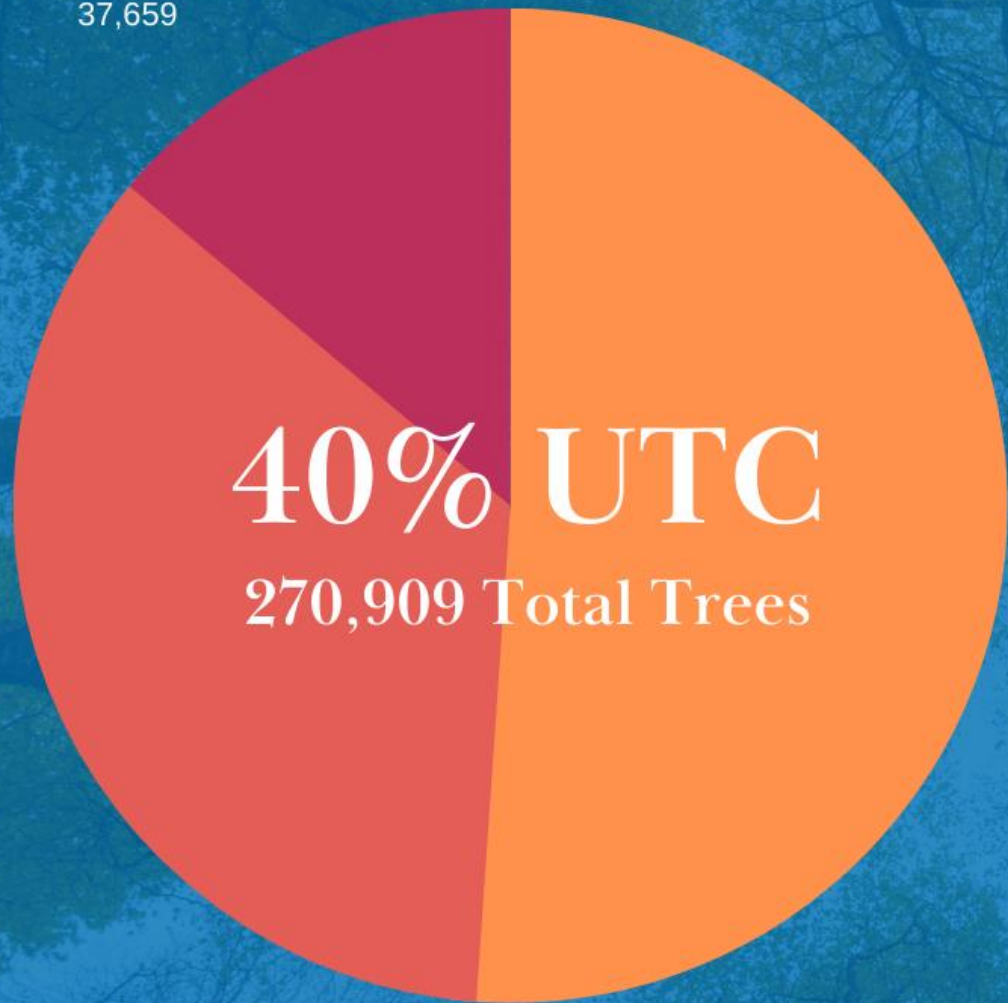
- How does our urban tree planting project align with other strategic City initiatives?
- Can the Office of Sustainability go public with a tree planting campaign?

URBAN TREE CANOPY

Setting an Ambitious, Necessary Goal



CURRENT PUBLIC
37,659



CURRENT PRIVATE
138,431

NEEDED
94,819

Why 100,000 Trees?

Getting to 40% Urban Tree Canopy

To get from the current tree inventory (176,090 trees) to 40% UTC, South Bend needs to plant 94,819 trees plus an additional 30-60,000 for natural decay and replacement.

"100,000" is easier to remember (IMO).
103,353 = Population of SB (2021).

Program Budget

Program total	\$ 24,247,421.88
Forestry costs from 2023-2050	\$ 22,043,110.80
Contingency/branding budget	\$ 2,204,311.08



Phase 1:
Build Relationships

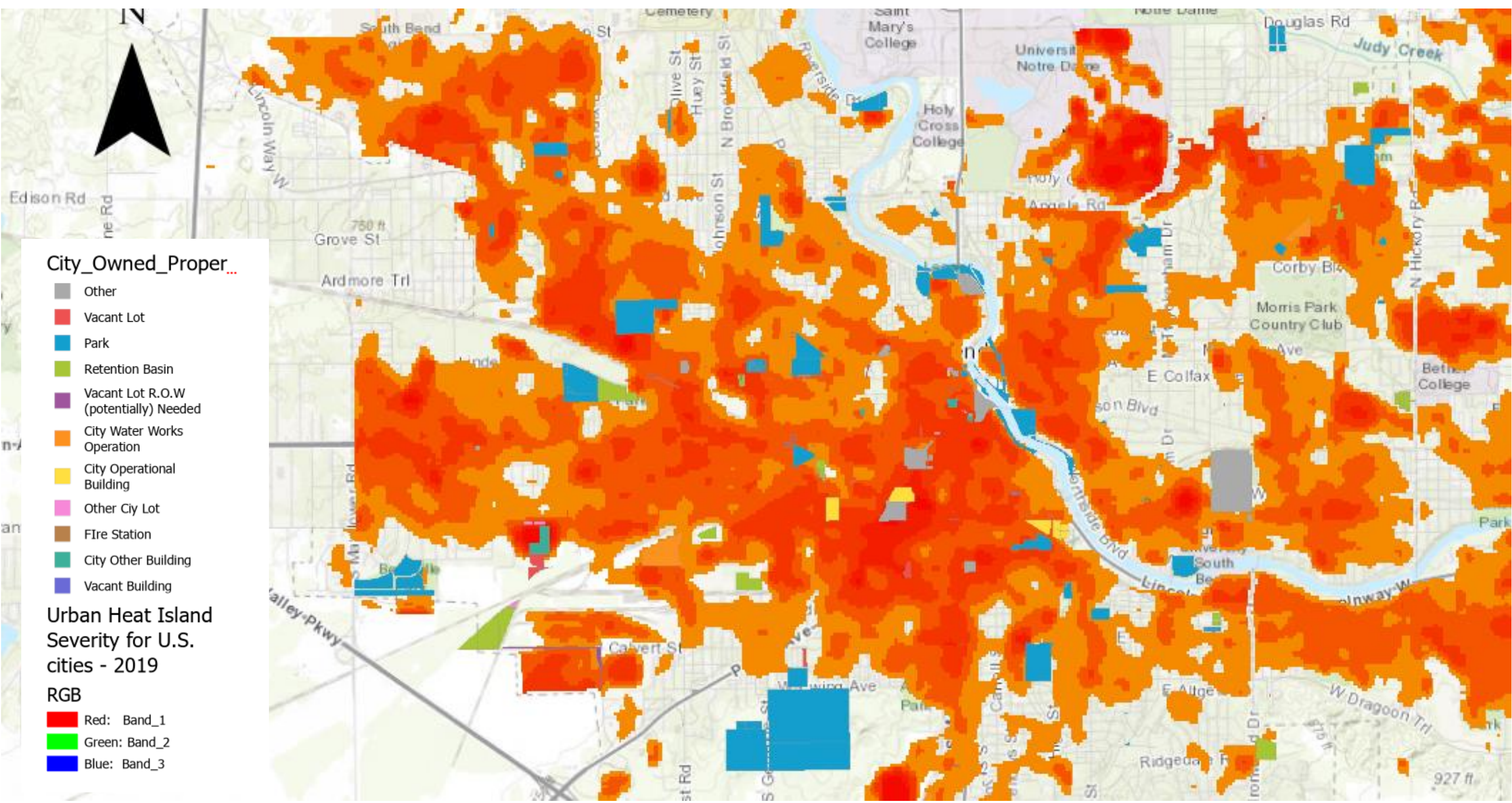
- **Tree-planting Experts:** SBVPA + Shirley Heinze Land Trust + SJRBC
- **Organizers:** enFocus & Office of Sustainability
- **Schools & Non-profits:** John Adams High School, El Campito, Unity Gardens, etc.
- **Neighborhood Associations & Community Groups:** SOAR, LaSalle Park, etc.

Phase 2:
Build Trust by Being Trustworthy

- **Look at our own backyard first:** 3 Parks to start (tentatively: Southeast Neighborhood Park, LaSalle Park, and Pulaski Park)
- **Involve Youth:** Native Tree Nurseries at or close to schools
- **Communicate Clearly and Often:** Ongoing opportunities for teaching and learning
- **Budget Appropriately:** Increase sources of revenue for tree-planting (in-lieu fees for developers, City Forest Credits, grants, private donations)

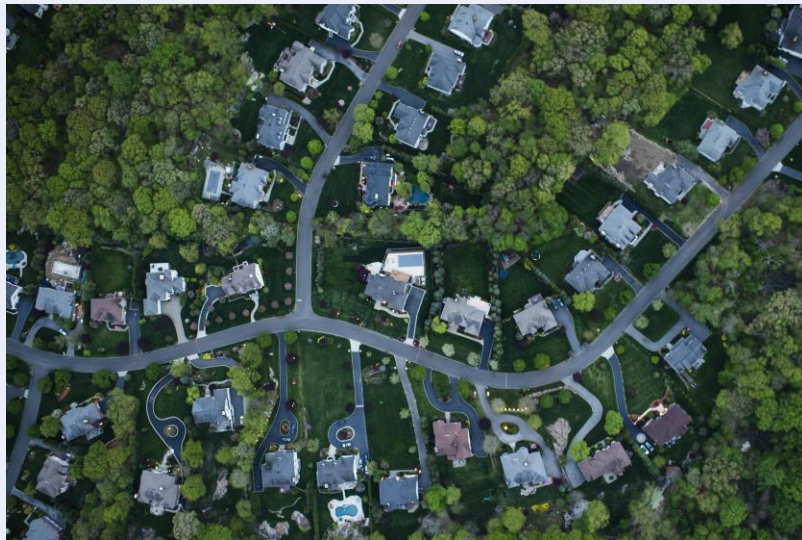
Phase 3:
Increase City Tree Maintenance

- **Neighborhood Infrastructure Pilot Program:** The City of South Bend takes increased responsibility for curbs, sidewalks, alleyways, and the tree lawn in the public right-of-way.





IN ALIGNMENT WITH
CARBON NEUTRAL BY 2050



Bold:

Neighborhood Infrastructure Pilot Project: Take more responsibility of the public right-of-way, including increased tree maintenance provided by the City. This is also an opportunity for workforce development.



Significant:

Permitted interim use of **60 vacant lots** (out of the total 1,645 vacant and abandoned lots in the city inventory) for Native Tree Nurseries (NTNs).



Necessary:

Collaborative effort of parks, schools, non-profits; establish a revenue fund for tree canopy for private donations and rewrite ordinance so developers to pay into fund instead of planting trees



DISCUSSION

- How does our urban tree planting project align with other strategic City initiatives?
- Can the Office of Sustainability go public with a tree planting campaign?

Agenda

Modified Climate Action Plan

Climate Action Plan Update Timeline

Tree Canopy Goal Discussion

Wrap Up