



Welcome

to

*Pittsfield Township's
First
Sustainability Conference*

*Mandy Grewal, Ph.D., Supervisor
April 22, 2016*

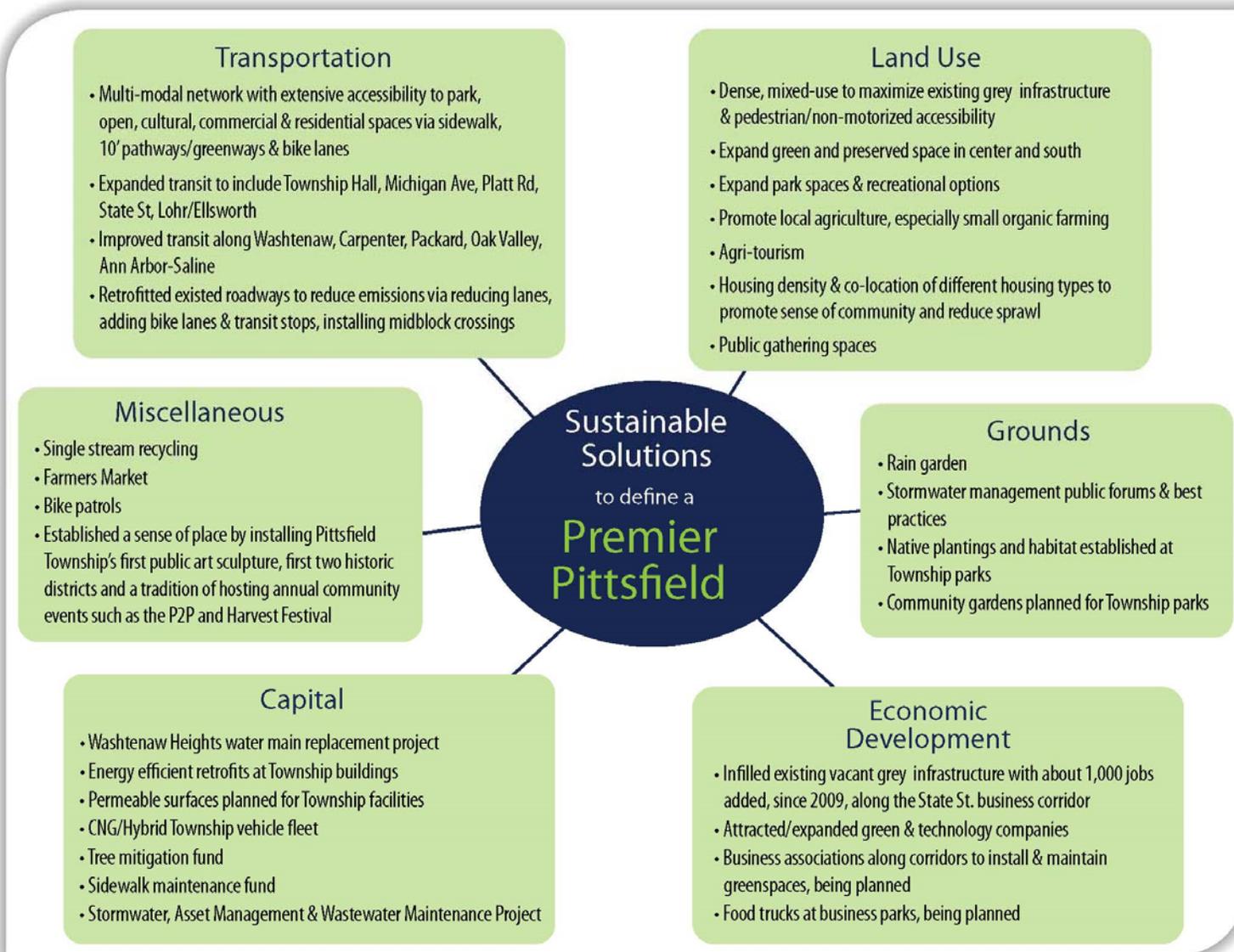
2010 Pittsfield Master Plan



pittsfield-mi.gov/masterplan



www.pittsfield-mi.gov/masterplan



Evan Pratt, P.E.
Washtenaw County
Water Resources Commissioner



PITTSFIELD TOWNSHIP SUSTAINABILITY



Evan's relevant background

- Municipal Planning and Infrastructure
- Water and Transportation Sustainability
- Capital Improvement Planning
- Asset Management
 - Lowest LifeCycle cost = \$ustainability
- Planning Commission and Committee responsible for AA's first Sustainability (Plan) Framework

Evan's relevant background

Full Disclosure:

- **There are people who know more than me in virtually every area of sustainability**
- I like to ask questions and find people who have already solved a problem I have
- I am responsible for an organization pushing the boundaries of sustainable water resources work

SUSTAINABILITY

- WHAT IS IT?
- WHAT DO YOU THINK OF?
- WHAT DO YOU WANT TO LEARN TODAY?

Where do we start?

What do people want to know?

- RESOURCES

- Community Listening Forums – Like Today
- Michigan Municipal League – MGC
- Archived presentations
- Other communities - best practices

Michigan Green Communities- MML

- <http://mml.org/green/action.php>
- **Wide range of action guidance in 4 areas**
 - Administration and Planning
 - Built Environment
 - Economic Development
 - Natural Resource

http://mml.org/green/action.php

File Edit View Favorites Tools Help

Water Resources Commis... MapQuest Maps - Driving ... WashCoGIS 2 university of new hampshi... Rain Gauges (2) Employee Central News ...

[Action Guide](#)
[East Lansing Non-motorized Transportation Plan](#)
[Benton Harbor/St. Joseph Complete Streets Policy](#)
[Smart Growth America Complete Streets Policy Analysis](#)
[Smart Growth America Complete Streets Local Policy Workbook](#)

BE 4.2 Government Alternative Transportation
[Action Guide](#)

BE 4.3 Electric Vehicle Infrastructure
[Action Guide](#)
[Auburn Hills Ordinance](#)
[Edison Electric Institute Guide to Electric Vehicle Readiness](#)

Economic Development (ED)

ED 1.1 Local Food and Agriculture
[Action Guide](#)

ED 1.2 Promoting Local Business
[Action Guide](#)
[Small Business Association of Michigan's Economic Gardening Blueprint](#)

ED 1.3 Buy Local Program
[Action Guide](#)

ED 1.4 Sustainable Business Recognition Program
[Action Guide](#)
[Meridian Township Green Star Program](#)

ED 2.1 Greening Existing Business
[Action Guide](#)
[Report from Green Impact, "Green Teams: Engaging Employees in Sustainability"](#)

ED 2.2 Developing Clean Economy Industries
[Action Guide](#)

ED 3.1 Green Jobs Advisory Council
[Action Guide](#)
[Detroit Regional Workforce Fund](#)

ED 3.2 Local Green Job Corps
[Action Guide](#)

Natural Resource (NR)

NR 1.1 Community Forestry Plan
[Action Guide](#)
[Grand Rapids Urban Forestry Plan](#)

NR 1.2 Tree Planting Program
[Action Guide](#)

NR 1.3 Tree Hazard, Health and Maintenance
[Action Guide](#)
[Tree Care Poster](#)

NR 2.1 Government Vehicle Fleet Audit
[Action Guide](#)
[Ann Arbor Green Fleets Policy](#)
[Fleet Electrification Roadmap](#)

NR 2.2 Government Vehicle Fuel Efficiency
[Action Guide](#)



MGC Role and Goals

- Peer to Peer benchmarking
- Idea exchange
- Friendly competition
- Challenge format
 - Communities agree to form Action Teams and report progress in 4 core areas
 - No effort is too small!!

Past MML-MGC webinars

- ✓ Framing sustainability for the public
- ✓ Plug-in electric vehicle community preparedness plan
- ✓ Promoting green infrastructure with a zoning ordinance
- ✓ Lessons learned from a stormwater utility
- ✓ Best practices for recycling programs
- ✓ Property Assessed Clean Energy (PACE) financing
- ✓ Regional sustainability planning
- ✓ Community energy planning
- ✓ Employee engagement programs

Where do we start?

What do people want to know?

- **SUSTAINABILITY FORUMS**

- <http://tinyurl.com/4y-sForums>

- Videos available from AADL website

- AADL has hosted 4 years of community engagement on wide ranging sustainability

- Format: Host and 3-5 subject matter experts with 10 minute presentations, followed by Q/A

- 40-70 attendees per session

- Feedback forms to guide future topics

SUSTAINABILITY FORUMS: PAST EXAMPLES FROM 2012-2016

- Land Use
- Transportation
- Housing Options
- Climate and Adaptation
- Equity in Planning
- Local Food
- Economic Vitality
- Healthy Ecosystems
- Sustainable Systems
- Responsible Resource Use
-And many more – <http://tinyurl.com/4y-sForums>

Community Sustainability Planning

- Examples
- Santa Cruz CA – City, County
- Grand Rapids
- Lenexa, KS
- Ann Arbor

LENEXA, KANSAS

- Kansas City suburb with population and growth profile similar to Pittsfield Township



- Municipal Services Department
- Snow Headquarters >
- About us >
- Documents
- Frequently asked questions >
- Events and services >
- Pavement management
- Rain to Recreation
- Request a service
- Resources
- Sustainability initiatives
- Volunteer

Select Language

Sustainability Initiatives

Lenexa's green history

For the past two decades, the City of Lenexa has invested in programs and projects that meet the "triple bottom line" goals of sustainability: good for people, good for the economy and good for the environment. In keeping with our commitment to sustainability, Lenexa has:

- maintained a "Tree City USA" designation for over 20 years
- created a mandatory curbside recycling ordinance in 1989 for city haulers
- in 2010, completed Lenexa Fire Station #5, the first city-owned facility to receive LEED accreditation
- received national recognition for our [Rain to Recreation program](#) and its innovative approach to stormwater management
- established itself as a distinguished leader in addressing issues of sustainability in the Kansas City metro and beyond



How the city spends green money

More recently, the city has capitalized on funding received as part of the Energy Efficiency Conservation Block Grant program administered by the U. S. Department of Energy by upgrading lighting and building automation systems within its largest buildings (City Hall and the Police Station). Additional funds are being used to review the city's Unified Development Code to develop a topical matrix that addresses sustainable concepts by providing links to best practices and incorporates citizen-directed commentary on code improvement content. The city has also joined with 15 communities throughout the Kansas City region in an effort to formulate a Regional Energy Efficiency Conservation Strategy that focuses on reducing energy usage throughout the region through shared initiatives and public outreach and education.

A green fleet

The Municipal Services Fleet Division has adopted a number of sustainable practices, such as recycling vehicle oil and batteries, anti-freeze and various metals. Lenexa's fleet of vehicles, which includes five hybrid vehicles, adheres to an anti-idling policy that helps reduce emissions and improve air quality. In addition, the Fleet Division, as well as the City Clerk's office, have been saving volumes of paper for years by converting to all-electronic paperless reporting systems.

Operation Green Light

Lenexa participates in this cooperative, bi-state effort coordinated by Mid-America Regional Council to improve the coordination of traffic signals on major routes throughout the Kansas City area. Operation Green Light improves the flow of traffic throughout major arterials in Lenexa and reduces the amount of "stop delay" at intersections. It also helps reduce emissions that contribute to the formation of ground-level ozone, the Kansas City area's main air pollutant.

LENEXA, KANSAS

- SNAPSHOT: Rain to Recreation Program



LENEXA, KANSAS

● **SNAPSHOT: Rain to Recreation Program**

- Community-wide study of drainage infrastructure
- Identified current issues and build-out needs
- Identified cost impacts of new development
- Identified green solutions – water and recreation goals
- Government implements solutions
- New developments assigned a proportional share if participating
- Developers benefit in time savings
- Residents benefit: aesthetics and long range
- Utility benefits – more centralized – less pieces to manage

City of Ann Arbor

- THE PROBLEM

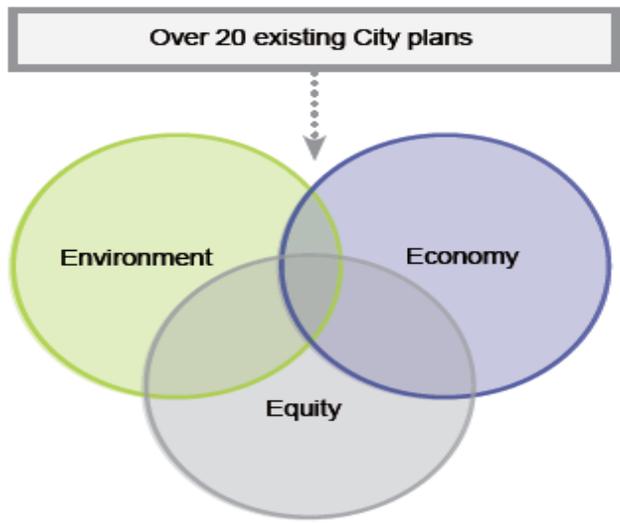
- 2010: 26 Master planning documents with 226 Goals
- Some “Goals” in direct conflict
- Wide range of general policy vs very specific actions – difficult to find synergy across plans.
- Much cross-referencing of Plans, too much info
- Some MP documents over 20 years old
- *??ANOTHER separate Plan for Sustainability??*

City of Ann Arbor

- THE SOLUTION: A Sustainability Framework
 - Review all 226 goals
 - Organize by overarching topic/area (
 - Lots of arguing about how many areas!!
 - Address conflicts
 - Eliminate outdated goals (only 6-7!)
 - Establish metrics/goals for each area

City of Ann Arbor

- THE SOLUTION: A Sustainability Framework
 - 4 Theme areas for 16 overarching Goals
 - 1) Climate and energy
 - 2) Community
 - 3) Land use and access
 - 4) Resource management



Climate and Energy



Sustainable Energy



Energy Conservation



Sustainable Buildings

Community



Engaged Community



Diverse Housing



Human Services



Safe Community



Active Living



Economic Vitality

Land Use and Access



Transportation Options



Sustainable Systems



Integrated Land Use

Resource Management



Clean Air and Water



Healthy Ecosystems



Responsible Resource Use



Local Food

"NO REGRETS" ACTIONS

- Often associated with climate change
- Have a positive benefit even if the anticipated change doesn't happen
- *Examples:*
 - Using less energy
 - Changing the oil in your car
 - Filing standards at the office
 - Lamaze class
 - Green Infrastructure
 - Upsizing Infrastructure when reconstructing

Summary

- There are a lot of approaches
- Sustainability can be overwhelming
 - Define how to eat the elephant
 - Identify areas of interest
 - Community Engagement helps define the issues, interests and direction – forums, webinars, and other interactive topics
 - Define community role
 - Identify other stakeholders who can act and track
 - Measure community progress as well as progress of other stakeholders

Sustainability

