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R. O. No. _____ - 18 - 19. By DIRECTOR OF PLANNING AND DEVELOPMENT AND SUSTAINABILITY COORDINATOR, Chad Pelishek.
April 3, 2019.

Submitting the 2018 Green Tier Legacy Communities Annual Report outlining the City of Sheboygan's 2018 sustainable accomplishments and reporting that the document will be submitted to the Wisconsin Department of Natural Resources.

The City of Sheboygan joined the Green Tier Charter in 2013. The Charter provides valuable networking, grant opportunities, and resources for the City's Sustainability initiatives. A requirement of being a member of the Charter is that an annual report be submitted by the end of March of each year. The City's Sustainability Coordinator and City staff have prepared the report which outlines the City's sustainable accomplishments for 2018.

DIRECTOR OF PLANNING AND DEVELOPMENT AND SUSTAINABILITY COORDINATOR

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Green Tier Legacy Communities
2018 Annual Sustainability Report

City of Sheboygan

GREEN TIER

AARP LIVABLE COMMUNITIES

TREE CITY USA

BIRD CITY WISCONSIN

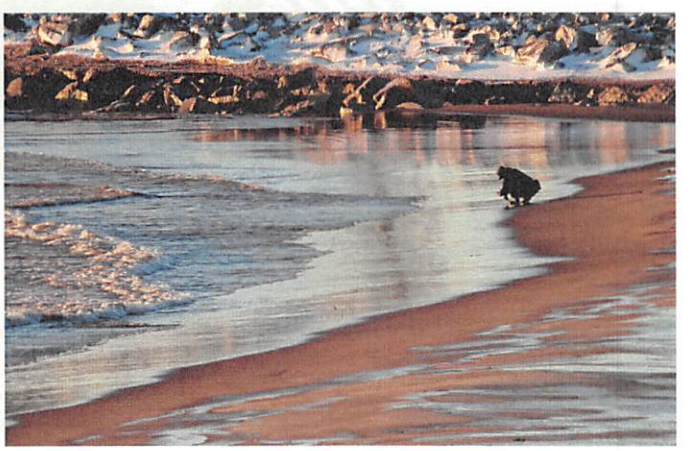
BICYCLE FRIENDLY COMMUNITY 2018-2022 THE LEAGUE BRONZE

WISCONSIN Active TOGETHER

INTRODUCTION

The City of Sheboygan is committed to continued improvement through sustainable projects, programs, and policies. 2018 was a year of ongoing sustainability projects, as well as implementation and instigation of new ones. The City of Sheboygan's Sustainability Task Force continued to meet in 2018. The Task Force is made up of community members, business representatives, sustainability experts, and utility representatives, as well as city staff from the department of public works, planning, and the Mayor. The Task Force discusses topics related to sustainability and makes recommendations on projects for the city to undertake.

Sheboygan's sustainability goals, policies, and action steps are outlined in the 2014 City of Sheboygan Sustainability Plan. The plan, which extends into 2019, can be found here: http://www.sheboyganwi.gov/wp-content/uploads/2015/03/Sustainability-Plan.pdf



TRANSPORTATION

Shoreline Metro - Shoreline Metro achieved a 14% ridership increased in 2018. A sixteen year high in ridership. Also, Sheboygan Area School District and Shoreline Metro partnered to provide free student trips year-round to all students on all routes.

Bicycle Friendly Community-Bronze - In 2018, Sheboygan became a bronze level Bicycle Friendly Community from the League of American Bicyclists. 17 Wisconsin communities have been designated as bicycle friendly.

Bike Share Program - Throughout 2018, Sheboygan completed extensive research on advantages and disadvantages of the various bike share programs available. Sheboygan's goal is to choose and implement the most advantageous program in 2019, using the insight gleaned through the important research phase in 2018.

Bike Month & Bike with Mike - In June of 2018, Mayor Mike Vandersteen held June Bike Month which included multiple events, and opportunities for information sharing related to biking. Mayor Vandersteen held the first ever 'Bike with Mike' event where the Mayor invited community members to join him on a three mile bike ride through Sheboygan, enjoying some of Sheboygan's many bicycle amenities.

Taco 'bout Biking - In conjunction with Active8, the City of Sheboygan supported this event held in Evergreen Park, near Sheboygan's mountain bike trails. The event invited the community of bicycle enthusiasts, everyday residents, bicycle experts and suppliers, the Sheboygan Police Department, and general taco lovers to come together in the park to learn about Sheboygan's bicycle amenities and issues, safety concerns, clubs and opportunities. This event provided the opportunity for residents with similar interests to come together and share their love of bicycling while eating delicious tacos from a local Mexican restaurant. This event was held during Sheboygan's June bike Month.

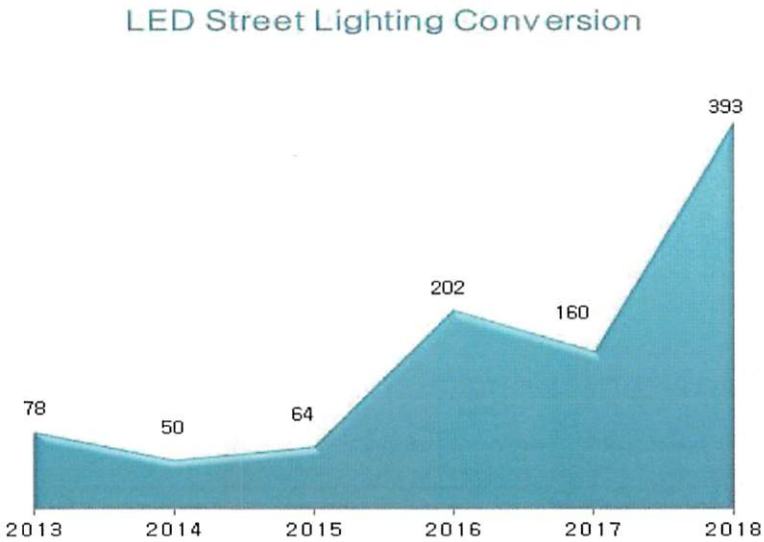
ENERGY

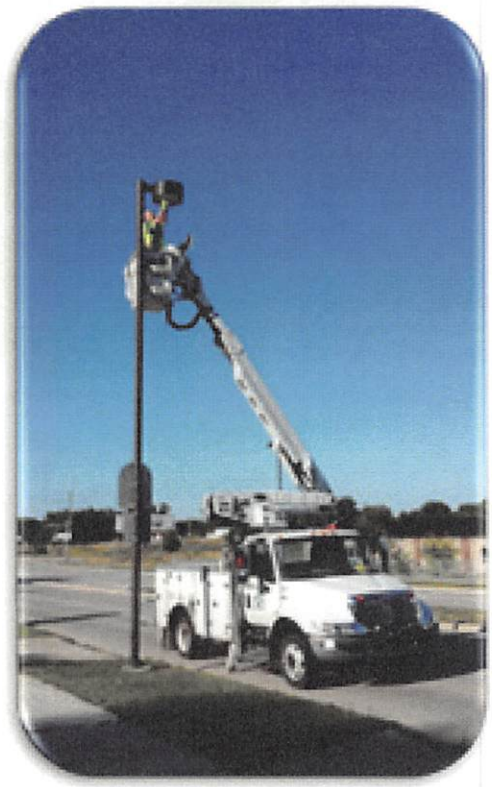
Working towards Sol-Smart Designation - City Staff applied and is working to become a SolSmart community. SolSmart is a national designation program to recognize communities that have taken key steps to address local barriers to solar energy and foster growth of mature solar markets.

SOLSMART

NATIONALLY DISTINGUISHED. **LOCALLY POWERED.**

Conversion of street lights to LED – The city continues to convert street lights as well as our traffic signals to LED. In 2018, another 393 street lights were converted making the overall total of 947 since 2013. These conversions will save the city $7,195.00 annually.





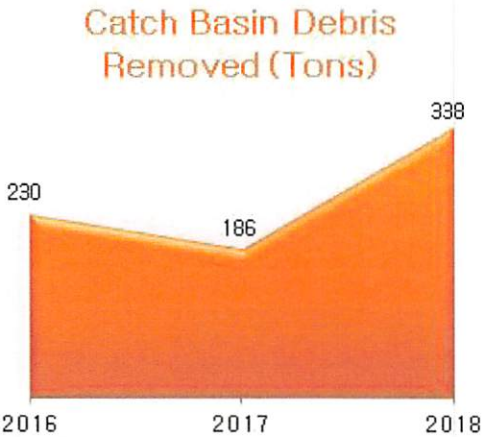
WATER

Wyland Foundation Pledge - Mayor Vandersteen pledged that Sheboygan would reduce water and energy consumption. To achieve this goal, Sheboygan and the Wyland Foundation offered a $5,000 sweepstakes for citizens who pledged to reduce consumption. The sweepstakes was held through the month of April.

Rain Barrels for sale at Maywood Nature Preserve - The Sustainable Sheboygan Task Force's rain barrel group held multiple open house events at Maywood Environmental Park where anyone could purchase a complete rain barrel kit in order to control and repurpose residential rainwater runoff in 2016. These efforts have continued in the following years, including throughout 2018.

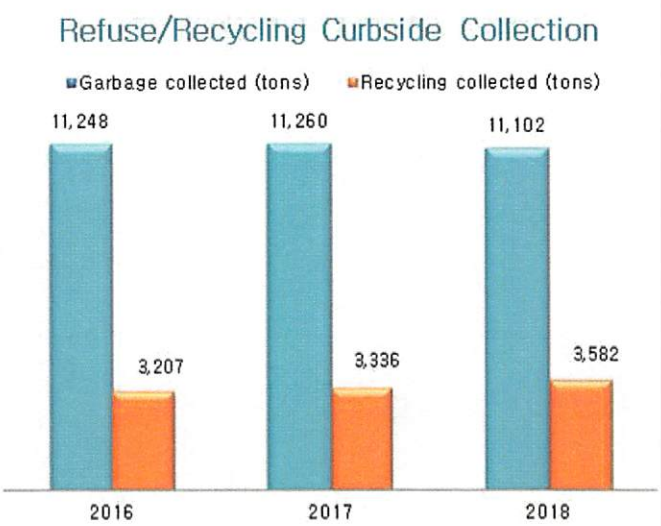
Anti-icing prior to snow events - The use of brine (anti-icing) is applied up to 3 days prior to a snow event which prevents the snow and ice from forming a bond with the road surface. By using brine our salt usage was cut by 30% which reduces the amount of salt that bounced and scattered into the curb lines. The city only used 2,925 tons of salt compared to 4,557 tons the year before.

Street Sweeping and Sanitation - Sheboygan lies on the coast of Lake Michigan, and one way we protect our waterfront is to sweep the streets to prevent dirt and debris from being carried into the waterway by storm water. Sheboygan sweeps the streets for 32 weeks per year, and removed 723.3 tons of waste in 2018. City catch basins were also cleaned of an additional 338 tons of debris, and 45 catch basins were replaced. To help prevent pollution to our rivers and lakes, Sheboygan enforces DNR Storm Water Permit requirements.



WASTE

Recycling and composting - This year, the city collected 3,582 tons of recycling at the curb. 182 tires, 234.8 tons of scrap metal and 10,700 gallons of oil were also recycled. Additionally, 1,734 tons of leaves and 2,830 tons of yard waste were collected and sent to a vendor for composting. The city spent $17,890 on branch grinding to create mulch for residents and city use.



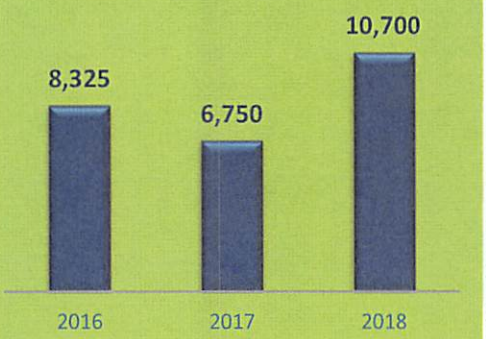
Document shredding – In 2016 the City of Sheboygan contracted with a shredding service company to dispose of confidential and sensitive documents. This service reduces the amount of time City of Sheboygan employees need to focus on shredding documents and disposing of shreds, and shredding service company recycles the shredded material. The contract is still held with Piranha Shredding Services and they continue to manage sensitive document disposal and recycling.

Christmas tree collection and mulching – The City of Sheboygan collects used Christmas trees alongside its refuse collection service following the holidays. Residents can place their trees at the curb, and DPW staff collects the trees, and transports them to the Municipal Service Building where they are turned to mulch which is made available to the public for free.

DPW RECYCLING CENTER STATISTICS

OIL COLLECTION TANKS

USED MOTOR OIL COLLECTED



SCRAP METAL TONS

2,830 TONS

OF YARD WASTE

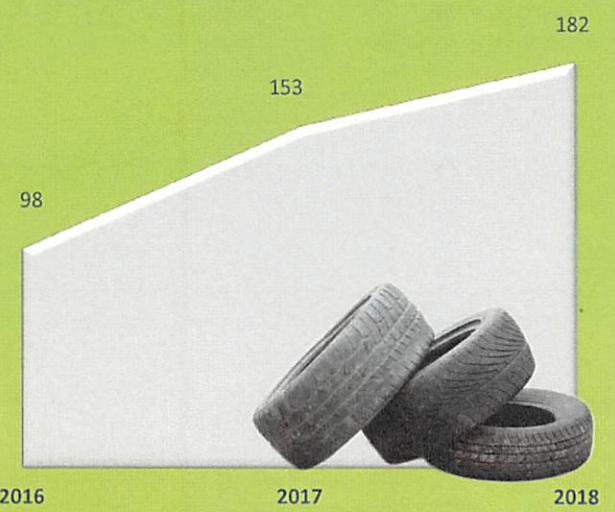
MANAGED

IN 2018

$17,890

DOLLARS SPENT ON BRANCH GRINDING

USED TIRES COLLECTED



COMMUNITY

Rock the Block - For the second year in a row, City of Sheboygan Planning and Development partnered with Habitat for Humanity Lakeside to hold two Rock the Block events in 2018. The Kuehne Park and Franklin Park neighborhoods were the chosen neighborhoods for the events, with over 70 properties impacted. Over 100 community volunteers came out for Rock the Blocks in 2018, making a positive impact, improving housing stock, and beautifying our city's neighborhoods. Volunteers for Rock the Block events remove litter, debris, overgrown landscaping, and other neighborhood nuisances while some volunteers do small but impactful housing rehabilitation projects for qualifying homeowners.

Fund for Lake Michigan Adopt-a-Beach & Adopt-a-Habitat Program– The 2017-2018 school year was the third year for SASD elementary and middle school students to participate in the Adopt-a-Beach & Adopt-a-Habitat programs, taught by Camp Y-Koda, at Sheboygan's Deland Beach. These programs taught SASD students about environmental stewardship and the important ecosystems of our beaches.

Beach Clean Ups - Through a partnership with Alliance for the Great Lakes, and Lakeshore Natural Resource Partnership, many of Sheboygan's community organizations participate in organized beach clean-ups. These efforts bring community members together around a shared passion for keeping Sheboygan's greatest asset clean and healthy.

Tree City for 40 Years- 2018 marked a milestone in Sheboygan being a Tree City. Sheboygan has been a Tree City for 40 years and is proud to be Wisconsin's longest running tree city.

Wisconsin Active Together - Sheboygan was awarded the Wisconsin Active Together recognition award in 2018. Wisconsin Active Together is a network of communities committed to advancing and celebrating active transportation options to optimize equity and health in Wisconsin's cities.

Adopt-a-Park and Adopt-a-Trail - In 2018, the city piloted an Adopt-a-Park or Adopt-a-Trail program, empowering community groups to get involved in the planning and maintenance of their area green spaces. Two neighborhood parks were adopted by Neighborhood Associations, and a segment of one of Sheboygan's off-street multi-use trails was adopted by a local business located on a portion of the trail. Kick-off events were held to celebrate the adoption of each of these areas in 2018.

ADOPT A PARK
City of Sheboygan

Winter Green at Mead Library - The Mead Library held Wintergreen on March 17, 2018. They offered fee programs for all ages on beekeeping, birding, computer recycling, crafts, cupcake decorating, local food, seed bombs, starter gardens, sustainable gardening/landscaping, upcyclying, water filtration, yoga and more.

MSDS Online - A Material Safety Data Sheet (MSDS) is an important component of product stewardship, occupational safety and health, and spill-handling procedures. MSDSs are a widely used system for cataloging information on chemicals, chemical compounds, and chemical mixtures. The City of Sheboygan began publishing this resource online in 2016 and continues to do so through 2018. MSDS information may include instructions for the safe use and potential hazards associated with a particular material or product. The City of Sheboygan uses MSDS Online to make available product information by City location to city employees and the general public for their safety.

Ongoing Wellness Committee and Initiatives – In 2016 the City of Sheboygan established an employee-based wellness committee. This committee meets on a regular basis and is tasked with creating a working environment that creates and supports a healthy lifestyle, and wellness for all employees. The wellness committee maintains the Healthy Citizen of Sheboygan (COS) Facebook page.

LAND USE

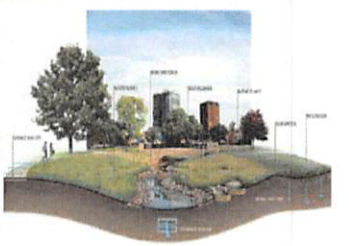
Green Infrastructure Code Update - The City of Sheboygan partnered with the Bay-Lake Regional Planning Commission and received a grant through the Fund for Lake Michigan to complete a city code review as it relates to green infrastructure. A number of recommendations were brought forward to modify our existing ordinances to encourage green infrastructure to include in new development opportunities across the City.

Tree Planting Grant from the Great Lakes Restoration initiative - The city co-applied for a grant with other Green Tier Communities to receive funding to replace ash trees affected by the Emerald Ash Borer. Sheboygan has about 5,000 ash trees and over half of them are affected by this disease and either need to be treated or removed.

Renovation of the historic City Hall - The City of Sheboygan began a year-long project to renovate City Hall in 2018. Complete upgrades include new windows, insulation, HVAC system, electrical and more natural daylight options. Work is scheduled to be completed in mid-2019. The plan includes the removal of window air conditioners and 1960's era windows.

Sustainable Strategies in new Southpointe Business Campus - SouthPointe Enterprise Campus is Sheboygan's new premier business park offering an array of shovel-ready lot sizes. Development of SouthPointe includes sustainable strategies such as green infrastructure bioswales, stormwater management areas with native landscaping, and multi-use trails throughout the development.

Green Infrastructure-bioswale



Green Infrastructure-bioswale

Multi-Use Trail

Stormwater Management Area

SUSTAINABILITY STRATEGIES

1000 Friends of Wisconsin
&
Legacy Communities - a Green Tier Charter
COWS center on wisconsin strategy
building a high road economy in Wisconsin and beyond
GREEN TIER
WISCONSIN DEPT. OF NATURAL RESOURCES
LEAGUE

			City of Sheboygan 2014 Baseline	City of Sheboygan 2017	City of Sheboygan 2018
		TRANSPORTATION DEMAND MANAGEMENT: **Transportation demand management strategies aim to reduce GHG emissions and VMT by influencing change in individual behavior. These strategies encourage walking, bicycling, and transit as modes of transportation within a community and seek to curb the number and length of trips by vehicle.**			
TRANSPORTATION		***Bicycle and Pedestrian Programs/Projects***			
	2	Require bike parking for all new non-residential and multifamily uses.	0	1	1
	1	Set standards for placement and number (as function of intensity of use) for bike parking spaces.	1	1	1
	3	Commuter bike routes identified and cleared.	3	3	3
	5 to 10	League of American Bicyclists certification. (Bronze 5, Silver 7, Platinum 10)	0	0	5
	3	Funded and operating SRTS program (or functional equivalent) covering at least 10 percent of students.	3	3	3
	1	Conduct annual survey of students' mode of transport to school.	1	1	1
		Employer-Based Programs			
	5	Require large employers seeking rezoning to set a price signal (cash-out or charge).	0	0	0
	5	Require large employers seeking rezoning to provide subsidized transit.	0	0	0
	5	Require large employers seeking rezoning to provide a TDM plan that would reduce trips by 20 percent over business as usual.	0	0	0
		Traffic Volume			
	3	Track VMT or traffic counts and report on efforts at reduction (including those on this list).	2	3	3
	3	Eliminate parking minimums from non-residential districts.	0	0	1
	5	Set parking maximums at X per square feet for office and retail uses.	0	0	0
	5	Scheduled transit service at basic level (hour peak service within half-mile of 50 percent of addresses).	5	5	5
	10	Scheduled transit service at enhanced level (half-hour peak service within 75 percent of addresses).	10	10	10
		TRANSPORTATION SYSTEM MANAGEMENT **Transportation system management strategies aim to reduce GHG emissions and VMT by improving the overall performance of a transportation system. These strategies improve existing infrastructure, introduce new technology, and plan for the future of the system.**			
		Preservation and Improvement			
	3	Develop and fully fund comprehensive maintenance program for existing roads.	2	2	3
	1 to 5	Charge impact fees for new roads.	0	0	0
	5	Calculate lane-miles per capita for arterials and collectors, and show reductions	2	3	4
	5	Prepare a plan identifying disconnections in bike and pedestrian networks, prioritizing fixes and identifying potential funding sources for the most important projects.	4	5	5
	5	Any proposal to add lanes to a two-lane roadway shall be evaluated for a center turn lane, the preferred option over an expansion to four lanes.	5	5	5
	3	Identify four-lane roadways with fewer than 20,000 vehicles per day (AADT) and evalute them for "road diets" with bike lanes or on-street parking	3	3	3
		Electric Vehicles			
	1	Allow NEVs on appropriate roadways.	0	0	0
	2	Provide public charging stations	0	1	1
		Vehicle Idling			
	2	Ban idling (more than 5 minutes) with local government vehicles.	0	1	1
	5	Ban idling (more than 5 minutes) community-wide.	0	0	1

LAND USE		**ZONING AND DEVELOPMENT** **Zoning and development strategies work toward improving the overall environmental, economic, and social health of a community by promoting mixed-use and infill development, walkable neighborhoods, and an overall sustainable lifestyle.**			
		Infill Development			
	5	Identify priority areas for infill development, including those eligible for brownfields funding.	5	5	5
	1	Create land bank to acquire and assemble priority infill sites	1	1	1
	1	Develop an inventory of known contaminated properties for reuse planning, with possible GIS application	0	1	1
		Walkscore			
	10	Measure Walkscore at 10 random residential addresses per Census tract, compute average, and improve upon overall score	2	6	8
		Zoning			
	5	Adopt traditional neighborhood design ordinance (If population is less than 12,500)	n/a	n/a	n/a
	5	Zoning for office and retail districts permits floor-area ratio > 1, on average.	1	2	2
	8	Zoning for office and retail districts requires floor-area ratio > 1, on average.	0	0	0
	5	Zoning code includes mixed use districts	5	5	5
	8	Mixed-use language from Smart Code.	2	5	5
		NATURAL RESOURCE MANAGEMENT **Natural resource management strategies seek to conserve, preserve, protect and promote a community's greenspace, wildlife, wetlands and waterways for this and future generations by promoting pervious surfaces and adequate setbacks.**			
		Canopy			
	3	Adopt tree preservation ordinance per GTLC standards.	0	1	1
	4	Set a tree canopy goal and develop a management plan to achieve it	0	4	4
	2	Require trees to be planted in all new developments	2	2	2
	2	Certification as Tree City USA	2	2	2
		Vegetation Management			
	2	Public properties and rights of way mown or cleared only for safe sightlines and/or to remove invasive species.	0	2	2
	2	Create community policy and BMP guidelines on minimizing chemical use during vegetation management of public and private properties	0	2	2
		Water Protection			
	10	Establish 75-foot natural vegetation zone by surface water.	3	7	7
	5	Inventory wetlands and ensure no net annual loss.	0	2	2
ENERGY		**COMMUNITY ENERGY USE** **Community energy use strategies encourage energy efficiency and the use of renewable fuels to reduce total energy consumption throughout the community**			
		Community Energy Use Policies			
	6	Use PACE financing	0	3	3
	1	Watt meters available to the public	0	0	1
	10	Adopt Residential Energy Conservation Ordinance (time-of-sale certification and upgrades).	0	0	0
		Measuring Community Energy Use			
	4	Work with local utilities to calculate total electricity and natural gas consumption annually, beginning with the fifth year before entering the program.	0	4	4
	1	State of Wisconsin Energy Independent (EI) Community designation.	1	1	1
		MUNICIPAL ENERGY USE **Municipal energy use strategies encourage municipal employees to conserve energy, preserve the environment, and decrease greenhouse gas emissions from municipal facilities, services, and vehicle fleets.**			
		Government Energy Use Policies			
	5	Include transportation energy/emissions as criterion in RFPs for purchases of goods over $10,000.	0	1	1
	3	Develop list of lighting, HVAC and shell improvements to raise Energy Star Portfolio Manager or LEED EBO&M score	1	2	3
	3	Reduce motor fuels use for non-transit activities --	1	2	2
	6	Provide transit passes at 50 percent or more off the regular price and/or provide parking cash-out options for local government employees.	0	0	0

	5	Streetlights operate at 75 lumens/Watt or higher	4	5	5
	3	Stoplights are LED or functional equivalent	3	3	3
	5	Municipal electricity purchases are at least 5 percentage points higher in renewable content than the statewide renewable portfolio standard requires. Calculation may include self-generated power and purchased offsets.	5	3	3
		Measuring Government Energy Use			
	5	Complete EPA Energy Star Portfolio Manager spreadsheet for government energy use. Or score existing buildings with LEED EBO&M.	0	1	1
	2	Calculate annual government fleet use of motor fuels, in gallons of petroleum and biofuels, beginning with the fifth year before entering the program.	0	1	1
	10	All new and renovated municipal buildings must meet LEED Silver or greater.	0	0	2
		WATER USE CONSERVATION **Water Conservation strategy options set baselines and goals for water and energy performance in municipalities. They measure progress and promote water conservation by the government, business, and the community at-large.**			
		Water Conservation			
	6	Track water and sewer use annually, beginning with fifth year before entering program, and develop plan for reductions.	6	6	6
	4	Develop a water loss control plan with targets below the 15% required by the state and include a system-wide water audit implementation and time table	1	2	2
	2	Join EPA's WaterSense Program for water utilities or the Groundwater Guardian Green Sites program and promote them to local business.	0	1	1
	6	Use block rates and flat rates to encourage water conservation among residential, commercial, and industrial users.	0	0	0
	1	Financial assistance for sewer lateral replacements.	1	1	1
	2 to 6	Upgrade water utility equipment (e.g., variable frequency drive motors) to achieve energy efficiency.	4	5	5
	3	Infiltration and inflow reduction by 10%	3	3	3
	5	Wastewater biogas captured and used in operations.	5	5	5
	5	Plan for replacing all toilets using > 1.6 gpf and annual progress sufficient to reach 90 percent replacement in 10 years.	2	4	4
W		***Local Government Use***			
A	2	Install waterless urinals in men's restrooms at municipal facilities (city hall, parks, etc.)	0	0	0
T	3	All outdoor watering by local government, excluding parks and golf courses, from rain collection.	0	0	0
E	4	Develop a water efficiency and conservation plan for municipal buildings	0	2	2
R		**STORMWATER MANAGEMENT** **Stormwater Management strategy options encourage the use of best management practices to achieve a reduction in the amount of harmful pollutants introduced to our streams, rivers, and lakes.**			
	3	Develop a regular street sweeping program to reduce total suspended solids	3	3	3
	3	Stormwater utility fees offer credits for best management practices such as rain barrels, rain gardens, and pervious paving	0	2	2
	2	Inventory all paved surfaces (e.g., by GIS mapping), and develop a plan for reduction	1	2	2
	2	Work with commercial or light industrial businesses to develop stormwater pollution plans	2	2	2
		WATER AND DEVELOPMENT **Water and Development strategy options link water conservation and the preservation of land, wetlands, and wildlife habitat while promoting compact development, restoration and rehabilitation efforts, and long-term planning.**			
		Land Development			
	5	Identify key green infrastructure areas during plan development and/or implement a plan to acquire and protect key green infrastructure areas	5	5	5
		Waters, Wetlands, and Wildlife			
	1 to 6	Replace concrete channels with re-meandered and naturalized creeks, wetlands, or swales	0	6	6
	3	Develop a system for identifying culverts that obstruct fish migration and install fish friendly culverts where needed	1	3	3
	4	Provide incentives for protection of green infrastructure, sensitive areas, important wildlife habitat, or for the restoration or rehabilitation of wetlands or other degraded habitats such as credit towards open space or set-aside requirements	0	2	2

		WASTE MANAGEMENT AND REDUCTION Waste Management and Reduction strategy options encourage municipalities and their citizens to divert organics and recyclables from landfills and properly dispose of hazardous materials in an effort to reduce waste in a community.			
WASTE	3	Community waste stream monitored at least annually . Waste reduction plan prepared and updated annually	2	3	3
	4	Waste and materials management plan based on "zero-waste" principles, with specific goals, prepared and updated annually	0	2	3
	3	Construction/deconstruction waste recycling ordinance	3	1	1
	3	Mandatory residential curbside recycling pickup that covers paper, metal cans, glass and plastic bottles	1	3	3
	5	Develop a municipal collection program that encourages the diversion of food discards, yard materials, and other organics from landfills to composting or anaerobic digestion with energy recovery	2	4	4
	3	Develop and promote programs that dispose of household hazardous, medical, and electronic waste	3	3	3
	4	Use anaerobic digesters to process organic waste and produce energy	4	4	4
	3	Implement municipal ordinances requiring manufacturer takeback for fluorescent bulbs, thermostats and other mercury-containing devices	1	1	1
	2	Ordinances in place to reduce the usage of phone books as well as single-use shopping bags, styrofoam food containers and other disposable packaging	0	0	1
	2	Pay-as-you-throw system implemented by municipality or required of private waste haulers	0	0	0
	1	Use public education and outreach to promote recycling, backyard composting, product re-use and waste reduction	0	1	1
	325		129	196	213
			40%	60%	66%