

City of Ann Arbor
Sustainability Framework:
City Plan Summaries
August 2011



The purpose of this collection of plan summaries is to provide an overview of the City of Ann Arbor's plans.

With 26 plans across the City's four service areas, the one-page summaries in this collection create a uniform format to view each plan. This collection of plan summaries is part of an initiative to create a sustainability framework for the City of Ann Arbor.

The City of Ann Arbor Sustainability Framework aims to integrate the City's current plans and reorganize key sustainability goals into one central place. This initiative is supported by a grant from the Home Depot Foundation.

Staff at the City of Ann Arbor prepared this document.

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Summary Elements

Plan Name and Contact: Each summary includes the full name of each plan, any abbreviated name for the plan, and the plan's date. A contact person for each plan is also included.

Reviews and Approvals: This section includes approvals, reviews, and resolution numbers for each plan. The section specifically notes approvals by City Council, Energy Commission, Environmental Commission, Park Advisory Commission, and Planning Commission.

Vision Statement: The vision statement articulates the main purpose of each plan.

Goal: A goal is a statement that identifies a general guideline for what action to take. The goal does not speak to implementation but instead puts forth a long-term vision or idea. A goal is often a broad concept and is not directly actionable or measurable.

Objective: An objective is a specific strategy to achieve a goal. An objective is generally measurable and linked to a specific time or date for completion. Unlike a goal, an objective focuses on implementation.

Environmental Goal: The City of Ann Arbor has ten broad environmental goals developed by Ann Arbor's Environment Commission and approved by Ann Arbor's City Council. These goals include: Clean Air, Clean Water, Efficient Mobility, Health-Promoting Urban Environment, Local Food Sufficiency, Responsible Resource Use, Safe Community, Stable Climate, Sustainable Energy, and Viable Ecosystems. Each plan addresses one or more of these environmental goals.

Geographic Location: If a plan includes specific recommendations for a geographic area, the area is listed in this category.

Data and Indicators: Data and indicators refers to information used to track progress towards plan goals and objectives. In some plans, data and indicators are taken from Ann Arbor's *State of Our Environment Report* (a2gov.org/soe), which includes 60 indicators that measure success towards the City's ten environmental goals.

Key Plan Goals and Objectives: This table includes up to 10 goals for each plan and up to 3 objectives related to each goal. The purpose of this table is to provide a snapshot of a plan. This table does not include every goal and objective from each plan. For a full representation of goals and objectives, please refer to the original plan documents.

Types of Plans

City Goals

The City of Ann Arbor's budget for each fiscal year sets goals and objectives to track the progress of various programs and services, as well as a basis for future resource allocation. To draft these goals and objectives for city services, a list of overall City Guiding Principles and Goals are used as a guide.

Environmental Goals

Ann Arbor's City Council adopted a set of guiding principles and goals developed by the City of Ann Arbor Environmental Commission that capture the vision for a more sustainable Ann Arbor.

Master Plans

The City of Ann Arbor's Master Plan serves as a guide for public and private decision-makers regarding the future physical development of the City. The master plan is composed of documents, or elements, that cover the City's major geographical areas and its essential citywide facilities. Plans categorized as master plans have both Ann Arbor City Council and Planning Commission approvals.

Council-Approved Plans

Plans designated as council approved refer to plans other than master plan elements that have formal approval by Ann Arbor City Council. These plans may also have approvals from other City of Ann Arbor commissions. These plans are often resource documents that supplement the City Master Plan by providing additional detail for interpretation and implementation of the recommendations.

Commission-Approved Plans

Plans categorized as commission approved do not have formal approval from Ann Arbor City Council, but do have approval from one or more of Ann Arbor's city commissions.

Plans without Formal Approval

These plans do not have approval from Ann Arbor's City Council or any city commissions. This includes studies and reports conducted for the City, County plans that address the City, and plans that councils or commissions may approve in the future.

Resolutions and Ordinances

This section includes resources other than plans that provide direction and guidance to further Ann Arbor's sustainability initiatives.

City Goals

City Guiding Principles

- Open and honest communication
- Integrity
- Partnership with community
- Trust
- Community and employee engagement
- Accountability
- Employee growth and enjoyment
- Teamwork
- Employee development opportunity

City Goals

1. Ensure the long-term financial health and stability of the City.
2. Deliver exemplary customer service.
3. Deliver and maintain a safe and reliable City-wide infrastructure.
4. Promote and implement environmentally sustainable practices which demonstrate the City's commitment to preservation and conservation of natural resources.
5. Deliver Organizational development programs to ensure progressive, reliable and high quality services to our community.
6. Work collaboratively to deliver affordable housing opportunities and access to supportive services.

Environmental Goals

Environmental Action Plan Principles

- Needs can be met while maintaining environmental quality, public health, and the availability of natural resources for future generations.
- Environmental quality, economic vitality, and social equity are interdependent.
- Conservation, protection, and restoration of the natural environment are highly valued and quantifiable.
- Our city is part of larger regional and global communities; our actions impact their environmental, economic, and social equity conditions; and we intend that those impacts be positive.
- Public awareness is vital to ensuring environmental quality.
- Policymakers need to be informed with the best available information.
- Precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically.
- Meeting our environmental goals requires a combination of incremental and wholesale behavior changes and technology adoption.
- Collaboration is necessary in order to achieve our environmental goals.
- City government is an important partner with residents and businesses in our community with regard to our environmental goals
- The City of Ann Arbor strives to be at the forefront of sustainable living through its daily operations, capital improvements, and purchase of products.

Environmental Action Plan Goals

1. **Clean Air** - Eliminate air toxics, criteria pollutants, and persistent bioaccumulative toxins (PBT)
2. **Clean Water** - Ensure safe water for drinking, recreation, other uses, and other species
3. **Efficient Mobility** - Provide infrastructure and policies for efficient modes of transportation
4. **Health-Promoting Urban Environment** - Ensure that the built environment promotes public health and improvements to the natural environment
5. **Local Food Sufficiency** - Conserve, protect, and restore local agriculture and aquaculture resources
6. **Responsible Resource Use** - Produce zero waste
7. **Safe Community** - Eliminate damage to public health and property from natural and other hazards
8. **Stable Climate** - Eliminate net greenhouse gas
9. **Sustainable Energy** - Use 100% renewable energy
10. **Viable Ecosystems** - Conserve, protect, and restore aquatic and terrestrial ecosystems

Master Plans

Vision Statement:

The purpose of the Land Use Element of the City Master Plan is to provide information and guidance to City residents, decision-makers, developers, and property owners about land use planning issues that face the City of Ann Arbor.

The City of Ann Arbor will be a dynamic community, providing a safe and healthy place to live, work and recreate. It will be a place where planning decisions are based, in part, on the interconnectedness of natural, transportation and land use systems. Natural systems, including air and water, natural features, native flora and wildlife habitats, will be improved and protected. It will be a place where the Huron River is a cherished part of the community and a focal point recreation. Downtown will continue to be a vibrant part of the community that ties all parts of the city together. Transportation systems will include enhanced opportunities for public transit, extensive opportunities for alternative modes of travel and improved management techniques to reduce the impact of traffic on existing streets and neighborhoods. Land use systems will be compatible and complementary, and will include residential, recreational, commercial, office, educational, institutional and industrial uses, which will provide extensive choices in housing (including low cost housing), shopping, employment and recreational activities. Historically significant buildings and neighborhoods will be preserved. The quality of life in Ann Arbor will be characterized by its diversity, beauty, vibrancy and livability and ultimately will depend upon the positive interaction of these systems.

Review and Approvals:

City Council	Approved 11/5/2009 <i>Resolution No. 09-483</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	Approved 5/5/2009
Master Plan Element	Approved
County Board	

Total Plan Goals and Objectives:

19 goals, 84 objectives

Environmental Goals:

Health-Promoting Urban Environment ; Viable Ecosystems;
Clean Water; Air Quality; Efficient Mobility; Safe Community

Geographic Location:

City of Ann Arbor

Data and Indicators:

Density along Transit Corridors; New Sidewalks with New Development; New Downtown Development; Mixed-Use Development along Transit Corridors; Non-Motorized Paths

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
To protect and restore woodlands, landmark trees, steep slopes, endangered species habitats, prairies and savannahs, the Huron River, creeks and native flora and fauna from the impacts of development	<ul style="list-style-type: none"> • Encourage developers to consider alternative land use designs that provide the best protection for existing natural features • Create educational materials that will provide information to decision-makers, developers and the public regarding the protection of natural features • Maintain and preserve natural open space corridors that are important to wildlife and plant life habitats
To achieve and maintain high quality watersheds to protect the health and welfare of the community and maintain the balance of natural systems	<ul style="list-style-type: none"> • Improve the quality of surface water, which enters the Huron River in the City of Ann Arbor
To improve air quality to protect the health and welfare of the public	<ul style="list-style-type: none"> • Encourage the use of mass transit and non-motorized modes of transportation through land use design and incentive programs to help reduce the total number of trips made by gasoline, diesel and other air polluting vehicles • Increase community understanding of air quality and air pollution sources
To reduce and prevent soil contamination to protect the health and welfare of the community and maintain the balance of natural systems	<ul style="list-style-type: none"> • Facilitate the clean-up of known contaminated sites • Increase community understanding of underground contamination and soil quality
To ensure that development projects are designed and constructed in a way that preserves or enhances the integrity of natural systems	<ul style="list-style-type: none"> • Encourage developers to use techniques to help protect or enhance natural systems • Review and modify City codes to help reduce the overall amount of impervious surfaces • Establish strong open space linkages with new development
To promote land use designs that reduce reliance on the automobile	<ul style="list-style-type: none"> • Locate higher residential densities near mass transit routes and in proximity to commercial, employment and activity centers • Improve the safety, accessibility and desirability of walking, biking or using mass transit • Improve transportation integration between neighborhoods
To provide a full range of housing choices (size, price, design, accessibility, etc.) that meets the existing and anticipated needs of all City residents	<ul style="list-style-type: none"> • Encourage affordable and accessible housing units to be constructed as part of new development projects • Encourage a variety of housing types within new residential and mixed-use projects
To support the continued viability, health and safety of City residential neighborhoods	<ul style="list-style-type: none"> • Encourage new development and redevelopment within established residential areas to complement the design elements of the neighborhood, including size and height • Locate common neighborhood services in areas that provide convenient and safe accessibility for residents • Provide extensive landscape buffering between residential neighborhoods and non-residential uses, including the freeways and railroads
To encourage commercial and employment centers that promote pedestrian activity, deemphasize the use of the automobile, and provide a sense of balance with surrounding land uses	<ul style="list-style-type: none"> • Support mixed-use, “village” centers in existing commercial areas • Encourage developers to design commercial and office centers where the parking lot is not the dominant feature from the road • Encourage neighborhood commercial uses that are compatible with surrounding neighborhoods
To encourage cooperation between the City educational institutions and between the City and Townships that surround Ann Arbor on development issues that affect each other	<ul style="list-style-type: none"> • Establish regular meetings and correspondence between the City and educational institutions regarding planning and development issues • Establish regular meetings and correspondence between the City and Townships regarding planning and development issues

Master Plan – Downtown Plan 2009

Vision Statement:

The Downtown Plan recommends policy objectives and plan concepts which will guide public and private development decision-making in the downtown area. The Downtown Plan's primary focus is Ann Arbor's 66-block Downtown Development Authority district, established as a tax increment finance district in 1982. This plan also makes recommendations for non-residentially zoned land adjacent to the DDA boundary and explores the downtown's role within the Central Area and the larger city. The plan addresses a broad range of issues concerning downtown's future -- from land use priorities and parking management objectives to more detailed design guidelines for enhancing downtown's pedestrian orientation and identity as a place.

Wendy Rampson, Planning Manager
Community Services, Planning

Review and Approvals:

City Council	Approved 6/15/2009 <i>Resolution No. 09-260</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	Approved 5/19/2009
Master Plan Element	Approved
County Board	

Total Plan Goals and Objectives:

29 goals, 103 objectives

Environmental Goals:

Health-Promoting Urban Environment; Clean Water;
Efficient Mobility; Stable Climate

Geographic Location:

City of Ann Arbor - Downtown

Data and Indicators:

None

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Plan and maintain public infrastructure systems to sustain existing and future downtown development	<ul style="list-style-type: none"> • Develop asset management policies and strategies for all downtown water, sanitary, storm and transportation systems • Develop a plan for increasing downtown street tree plantings and optimizing planting success
Encourage dense land use and development patterns which draw people downtown and foster an active street life, contribute to its function as an urban residential neighborhood and support a sustainable transportation system	<ul style="list-style-type: none"> • Encourage more land use diversity throughout downtown by revising the premium system to provide incentives for housing within developments • Update zoning use regulations to incorporate new pedestrian-oriented uses, such as live-work units • Develop standards to limit nuisance noise and lighting impacts from development
Promote downtown as the center of commerce in the community. Strengthen and expand a balanced mix of downtown’s active uses	<ul style="list-style-type: none"> • Attract a variety of new businesses to the downtown particularly those which are locally owned and serve a growing downtown residential population • Increase capacity of existing businesses in the downtown to ensure that businesses can remain viable and take advantage of opportunities for future growth
Encourage a diversity of new downtown housing opportunities and the expansion of the downtown resident population to strengthen downtown’s role as an urban neighborhood. Continue to seek a range of age groups and income levels in the downtown	<ul style="list-style-type: none"> • Revise existing zoning premiums, and provide premiums where not currently available, to create incentives for downtown residential use • Continue to make housing a priority use of public land offered for private development. • Encourage the development and/or expansion of downtown grocery stores and convenience services for downtown residents
Encourage downtown’s highest density development and tallest buildings to locate within the core areas to create the critical mass of activity and density needed to support a range of central retail, service, cultural, residential, and entertainment functions and transportation modes	<ul style="list-style-type: none"> • Incorporate recommended land use and urban design objectives, including the consideration of height limits, into overlay zoning districts for the review and approval of projects in the Core Areas • Discourage “auto oriented commercial” land uses • Encourage structured (rather than surface) parking that integrates bicycle, motorcycle and moped parking with vehicular parking
Preserve and enhance incremental transitions in land use, density, building scale and height in the Interface areas located between downtown’s neighborhood edges and Core Areas	<ul style="list-style-type: none"> • Reduce maximum permitted FAR’s of 600% and maintain height limits in the Interface zone, giving special consideration to adjoining residential neighborhoods. • Revise principal permitted land uses to encourage a shift in land use emphasis from “autooriented” and light industrial to mixed use buildings
Protect the livability of residentially zoned neighborhoods adjacent to downtown	<ul style="list-style-type: none"> • Reduce parking pressures in neighborhood areas • Minimize through automobile traffic impacts on neighborhood streets
Encourage new development to reinforce historic buildings’ contribution to downtown’s identity and pedestrian orientation	<ul style="list-style-type: none"> • Develop additional guidelines for compatible infill development in areas where buildings share valued design characteristics • Evaluate the need for/desirability of compensating owners of designated properties through a Transfer of Development Rights program
Encourage both rehabilitation and new development projects to enhance the pedestrian scale and orientation of streets	<ul style="list-style-type: none"> • Adopt design guidelines for the street frontage of new development and rehabilitation projects based on the character of the adjoining streets • Encourage new development to incorporate urban nature whenever possible
Improve transit service within the downtown connecting existing and regional transit facilities	<ul style="list-style-type: none"> • Reduce future increases in peak traffic and parking demand by adopting parking pricing and enforcement policies • Design and locate transit stations and major stops to ensure that they are surrounded by active uses and incorporate well-designed pedestrian amenities

Vision Statement:

“An integrated multi-modal system that will build upon the unique qualities of each part of the city” is the City of Ann Arbor’s vision for its transportation system. To achieve this vision, the transportation plan is focused on meeting the needs of all transportation users: pedestrians, bicyclists, transit users, commercial trucking, and motorists.

The city’s transportation philosophy is to improve safety, reduce emissions, and reduce congestion not by widening streets, but through a series of transportation improvements and policy changes. The city has an adopted goal of "Supporting a safe and reliable municipal infrastructure." This indicates the priority to maintain the existing system and is related to the first goal below to provide effective access and mobility for people and goods. The city is committed to properly maintain the transportation system currently in place.

Many of the recommendations in this Plan incorporate the best transportation and land use principles being used by other progressive cities, but with careful refinement to acknowledge and support the unique qualities of Ann Arbor and the high expectations of its residents, employers and visitors. The Plan directs investment and decision making toward mobility and accessibility for all user groups, building on the success of the 1990 plan and setting a course for the next 20 years.

Review and Approvals:

City Council	Approved 5/4/2009 <i>Resolution No. 09-165</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	Approved
Master Plan Element	Approved
County Board	

Total Plan Goals and Objectives:

8 goals, 117 objectives

Environmental Goals:

Efficient Mobility

Geographic Location:

City of Ann Arbor

Data and Indicators:

Bus Ridership; go!pass Participation; Park & Ride Lot Use; Bicycling Commutes; Walking Commutes; Single Occupancy Trips; Car Pool Commute Trips

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Provide effective access and mobility for people and goods, with minimal negative impacts for all	<ul style="list-style-type: none"> • Apply a <i>Complete Streets</i> concept to roadways • Improve and manage vehicular elements such as corridor congestion, intersection operations, safety, truck routes and access • Expand the existing adaptive signal system, SCOOT
Protect and enhance the natural environment and energy resources, and the human and built environment	<ul style="list-style-type: none"> • Minimize roadway widening and maximize current efficiency • Encourage shift in modes from the automobile by providing other transportation options to meet future demand • Complete the Huron River Greenway Border-to-Border Trail
Promote a safe, secure, attractive, and productive transportation system	<ul style="list-style-type: none"> • Improve locations with high crash incidents by implementing traffic calming measures • Improve downtown public parking in collaboration with the DDA • Improve AATA stop amenities along Routes 4, 9, 16, 18, and 36
Invest in transportation infrastructure in a manner consistent with other goals, and within the financial constraints of public/private resources	<ul style="list-style-type: none"> • Complete short-term projects listed in Transportation Improvement Plan (TIP) and execute easy projects • Continue to develop the diversification of Ann Arbor's transportation system by emphasizing non-motorized and transit modes while also maintaining efficiency in the roadway network • Assess potential for "Place Based" tax increment funding for corridor enhancements
Promote cooperation between the City of Ann Arbor and other governmental entities, particularly the surrounding townships and municipalities and the University of Michigan, in support of transportation initiatives in a manner consistent with the other goals	<ul style="list-style-type: none"> • Support the expansion of Commuter Express Bus Program to/from western Wayne County, northern Washtenaw/Livingston County, and to/from Saline to Ann Arbor • Implement regional service from Park & Ride lots to downtown • Coordinate land use planning with adjoining jurisdictions and County agencies to extend opportunities for transit-oriented development on key transit corridors outside of the city
Ensure that meaningful public involvement will be part of any transportation project in the City of Ann Arbor	
Promote a transportation system supportive of and integrated with land use decisions	<ul style="list-style-type: none"> • Conduct Road Diet feasibility studies and implement recommendations • Study and implement improved service opportunities for high-quality transit on signature transit corridors • Create transit-oriented development overlay districts for signature corridors
Promote green transportation improvements to reduce vehicle emissions	<ul style="list-style-type: none"> • Support the expansion of commuter rail service • Study management and enforcement of commercial vehicles in downtown • Support technology upgrades that enable citizens to receive early information on road congestion, delays, parking options

Vision Statement:

The purpose of the plan is to identify the means to establish a physical and cultural environment that supports and encourages safe, comfortable and convenient ways for pedestrians and bicyclists to travel throughout the City and into the surrounding communities. It is further envisioned that this environment will result in a greater number of individuals freely choosing alternative transportation modes (walking, bicycling, mass transit, etc.), which will lead to healthier lifestyles, improved air and water quality, and a safer, more sustainable transportation system.

This plan provides a general background on the issues of non-motorized transportation as well as to present a proposal on how to address the issues through policies, programs, and design guidelines for facility improvements. It is intended as a synthesis of key aspects of those documents to provide an interpretation on how they may be applied in typical situations in the City of Ann Arbor. Given the evolving nature of non-motorized transportation planning, these guidelines should be periodically reevaluated to determine their appropriateness.

Review and Approvals:

City Council	Approved 1/8/2007 <i>Resolution No. 8-1-07</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	Approved
County Board	

Total Plan Goals and Objectives:

3 goals, 14 objectives

Environmental Goals:

Efficient Mobility

Geographic Location:

City of Ann Arbor

Data and Indicators:

City Project Incorporating Non-Motorized Transportation;
Number of Pedestrians and Cyclists on Specific Pathways; Miles of
Bike Lanes; Bicycling Commutes; Walking Commutes

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
<p>Incorporate non-motorized best practices into all relevant policies, and all aspects and stages of planning available to the City and its partner organizations.</p>	<ul style="list-style-type: none"> • Develop best practices guidelines that define a true multi-modal perspective for transportation planning • Define a sustainable financing mechanism for non-motorized transportation policy development, policy implementation, construction and maintenance of facilities, education, and other needs that may arise to implement the City’s non-motorized transportation plan • Encourage and provide a framework for coordination between the City of Ann Arbor, the public school system, the University of Michigan, surrounding communities and regional agencies to facilitate connecting the non-motorized network to the region
<p>Provide a comprehensive, easy to implement non-motorized network as an integral component of the City’s transportation system.</p>	<ul style="list-style-type: none"> • Provide convenient and safe non-motorized connections between destinations in every part the community, such as residential, commercial, school, recreational, and other areas • Integrate non-motorized transportation into existing transportation infrastructure and connect transportation systems • Minimize conflict between modes of travel while still accommodating all modes
<p>Increase awareness of the opportunities for, and benefits of, non-motorized transportation, as well as provide information to all users on safe ways to integrate motorized and non-motorized modes of transportation.</p>	<ul style="list-style-type: none"> • Develop strategies to educate the general public, the school system, and the U of M on the available non-motorized transportation network and encourage its use, including promotion of Safe Routes to School • Develop strategies to educate the general public, the school system, and the U of M community on the personal and community wide benefits of non-motorized transportation modes of travel • Develop strategies to educate all transportation system users (motorists, cyclists, pedestrians, etc.) on key safety issues related to integrating walking, bicycling and motorized travel to create an atmosphere of respect among all travelers

**Master Plan – Parks and Recreation Open Space Plan
(PROS Plan)
2011-2015**

Amy Kuras, Parks Planner
Community Services, Parks and Recreation

Vision Statement:

The Parks and Recreation Open Space Plan is the City's vision for parks and recreation in Ann Arbor. The PROS Plan provides an inventory of existing parks and facilities, describes the relationship between the park and recreation system and surrounding municipalities and recreation providers, identifies park and recreation needs and deficiencies, and proposes major capital park projects for existing and new parks.

The 2011-2015 PROS Plan is intended to facilitate discussion and evaluation of major issues, problems and potentials, the setting of priorities for the next five years, and the identification of goals and objectives that reach further into the future. The scope of the plan is to reflect tradition; to provide balance of parks, facilities, and programs; to respond to the needs of today; and to set a direction for the future. It also establishes background information while delineating system needs that may qualify for state and federal grant funding. The Michigan Department of Natural Resources (MDNR) requires all municipalities applying for recreation grants to have a current plan on file with the MDNR and to update that plan every five years. This planning effort is directed towards the formal adoption of an updated PROS Plan by the Park Advisory Commission, the City Planning Commission, and the Ann Arbor City Council.

Review and Approvals:

City Council	Approved 3/7/2011 <i>Resolution No. 11-0182</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	Approved 2/15/2011
Planning Commission	Approved 2/15/2011
Master Plan Element	Approved
County Board	

Total Plan Goals and Objectives:

8 goals, 71 objectives

Environmental Goals:

Health-Promoting Urban Environment; Viable Ecosystems

Geographic Location:

City of Ann Arbor Parks System

Data and Indicators:

Parkland Acreage

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
<p>Provide an efficient recreation and open space system, where all the components will complement each other in providing a broad spectrum of services while minimizing duplication</p>	<ul style="list-style-type: none"> • Maximize the use of existing resources and optimize utilization of all public land within the community • Plan, design, and build parks and facilities to support multiple functions • Coordinate dissemination of information concerning both public and private recreation programs
<p>Achieve and maintain a balanced park, recreation, and open space system, accessible to all of the community</p>	<ul style="list-style-type: none"> • Develop strategies to identify and accommodate groups which are not currently receiving or participating in recreation services • Continue to design new facilities with barrier free and accommodations made for people with disabilities • Address the recreation and service needs and interests of disadvantaged persons and residents of public housing sites and cooperatives
<p>Assure a firm financial basis for the park, recreation, and open space system</p>	<ul style="list-style-type: none"> • Encourage that new residential development within the City contribute equitably to the resulting increased demand for parks, recreation, and open space • Develop strategies by which volunteers, community businesses, educational institutions, and service groups might be more directly involved in developing, sponsoring, and assisting with recreation programs, or ecological restoration of natural areas • Increase public support through citizen knowledge of and identification with park spaces
<p>Assure adequate and suitable provisions of land and facilities to meet present and future park, recreation, and open space needs in terms of maintenance and development</p>	<ul style="list-style-type: none"> • Maintain, rehabilitate, and restore existing facilities and natural areas • Develop efficient maintenance procedures that decrease staff hours, equipment, and use of chemicals, and utilize natural processes • Provide physical connections between City parks and adjacent neighborhoods
<p>Foster the quality of life in Ann Arbor by paying particular attention to the park, recreation, and open space system as a visual and functional resource</p>	<ul style="list-style-type: none"> • Emphasize the importance of views along streets, parkways, buffer areas, and greenways as integral components of visual resource planning • Continue a vigorous tree and landscape care improvement program • Provide unstructured open space within the parks system and within individual parks
<p>Develop recreation programs, services, and facilities after assessing changing trends and community needs</p>	<ul style="list-style-type: none"> • Explore and develop options for expanded opportunities for senior adult activities • Strive to identify leisure time needs of adolescents to develop appropriate activities • Expand programs and activities for pre-school children and expand environmental interpretive programs and activities
<p>Maintain a healthy Huron River ecosystem that provides a diverse set of ecosystem services</p>	<ul style="list-style-type: none"> • Continue efforts to clean up the Huron River and its tributaries and to address the non-point source pollution issues • Enforce buffer zones of no mowing adjacent to streams and the river and work to restore eroded stream banks • Develop greenways along the tributaries of the Huron River to improve water quality and reduce flooding

Master Plan – Natural Features Master Plan 2004

Vision Statement:

The City of Ann Arbor is committed to securing a high quality of life for its current and future residents. It is City policy to promote sound stewardship of the City's natural features. A healthy natural environment is necessary to sustain a high quality of life. This master plan describes our natural features, both publicly and privately owned, and sets forth policies to protect, restore and sustain them.

The primary goal of this Master Plan is to protect, restore, and maintain the City's important natural features: the Huron River and its Tributaries; Wetlands, Ponds and Lakes; Floodways and Floodplains; Ground Water and Groundwater Recharge Areas; Land Forms and Slopes; Woodlands, Savannas and Prairies; Landmark Trees; Native Plant and Animal Ecosystems; and Greenways.

Review and Approvals:

City Council	Approved 6/21/2004 <i>Resolution No.269-6-04</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	Approved 6/1/2004
Master Plan Element	Approved
County Board	

Total Plan Goals and Objectives:

26 goals, 81 objectives

Environmental Goals:

Viable Ecosystems; Clean Water; Efficient Mobility

Geographic Location:

City of Ann Arbor

Data and Indicators:

Creekshed Health; Ecological Diversity; Conservation of Rare Species; Natural Area Acreage

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Update watershed plans; ensure that the City's Capital Improvements Plan is consistent with Natural Features Master Plan; add greenways along the Huron River; add flood storage capacity and reduce adverse impacts of heavy rain events, including flooding	<ul style="list-style-type: none"> • Implement watershed plans, the City Master Plan and the Capital Improvements Plan • Work with various partners to implements watershed planning • Improve education outreach techniques, city services, and GIS capabilities relating to data management
Identify, assess, protect and sustain wetlands	<ul style="list-style-type: none"> • Review and modify City codes relating to inspections, mitigation and other standards for wetlands • Encourage stewardship and management techniques to reduce impacts to wetlands resulting from storm water run-off
Identify, restore and sustain floodplains, especially those of highest-concern; reduce storm water volume and flood occurrences; support watershed groups and implement watershed plans	<ul style="list-style-type: none"> • Review and modify City codes and policies to ensure that best management practices are implemented • Restore city-owned wetlands • Promote stewardship by educating the public on the identification and value of native plants and activities that can benefit floodplains
Protect drinking water and identify suitable groundwater recharge areas throughout the City	<ul style="list-style-type: none"> • Implement policy changes that help to minimize adverse impacts to groundwater and groundwater recharge areas,
Protect steep slopes; identify and protect scenic vistas and sustain the natural features that comprise them	<ul style="list-style-type: none"> • Maintain geographic information database for steep slopes • Review standards, codes and policies for possible modifications that would help identify and protect natural land contours and scenic vistas
Identify, steward, and conserve woodlands, savannas and prairies to protect water, air, and soil quality, to buffer air and noise pollution, to moderate local climate and storm hazards, to preserve wildlife habitats and natural corridors, and to maintain important elements of the natural beauty of the City	<ul style="list-style-type: none"> • Amend code to include definitions for savannas and prairies • Revise PROS Plan to include savannas and prairies in criteria for acquisition • Develop native planting policy for city-owned property
Protect and preserve landmark trees that are in good or excellent condition, particularly trees that are rare, unusual, old or historically significant (over 100 years old), provide a diversity of species or contribute to a native forest fragment	<ul style="list-style-type: none"> • Establish a program that identifies and rewards landowners for stewardship of landmark trees • Develop tools and resources to educate the public on possible impacts to and recommended care for landmark trees • Develop a process to determine long-term impacts of protection measures
Identify, steward and protect habitats that are rich in native flora or fauna and that are threatened, endangered or contain special concern species	<ul style="list-style-type: none"> • Inventory and rate plant species and consider acquiring those with high ratings • Develop an assessment system for wildlife • Develop a stewardship program for endangered species habitats
Establish a network of greenways throughout the City that provides non-motorized connections between various land uses and helps to retain the shape and continuity of natural features, especially along stream corridors, between parks and through new neighborhoods	<ul style="list-style-type: none"> • Implement greenway programs and initiatives and coordinate such activities with other organizations and governmental entities • Identify new links and identify improvements to existing links • Incorporate greenway systems and design principles into master plans and zoning

Council-Approved Plans

Energy Plan 1981 (update 1994)

Vision Statement:

This plan established goals and programs to reduce energy use and costs in Ann Arbor while moving the City towards more sustainable energy use.

With a goal of moving the City towards more efficient and sustainable energy use, the Energy Office operates in three major areas:

- Managing projects, programs and grants: project management for energy purchases, energy efficiency improvements and renewable energy use at City-owned facilities and for City-owned vehicles
- Developing information resources: maintain an energy database for all city operations to provide baselines for energy use and savings analysis. Produce and distribute educational materials about energy use, policies and programs.
- Advising City managers, elected officials and the general public: provide expert advice on programs, policies and ordinances for intelligent purchase and use of energy both by City facilities and City transportation.

Andrew Brix, Energy Programs Manager
Public Services, Systems Planning

Review and Approvals:

City Council	06/1981
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

7 goals, 41 objectives

Environmental Goals:

Sustainable Energy; Stable Climate; Efficient Mobility

Geographic Location:

City of Ann Arbor

Data and Indicators:

Greenhouse Gas Emissions; Electricity Use; Natural Gas Use; Alternative Fuel Use; Renewable Electricity Generation; Vehicle Miles Traveled

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
<p>Identify the Role of the Government - City government, in conjunction with the City schools, the Ann Arbor Transportation Authority and other government agencies, shall coordinate and/or implement energy related programs and activities, and shall encourage conservation actions in the private sector.</p>	<ul style="list-style-type: none"> • Form an Energy Advisory Board to consider issues and tasks • Develop a Community Energy Emergency Contingency Plan to identify potential areas of vulnerability • Continue to collect and analyze energy data
<p>Transportation and Land Use - The City shall develop land use and transportation policies that improve the efficiency with which the City uses nonrenewable fossil fuels.</p>	<ul style="list-style-type: none"> • Develop a transit systems improvement program • Promote energy conserving programs and environmentally friendly alternatives to automobiles • Generate solutions/strategies for reducing energy consumption for transportation
<p>Building Retrofit - The overall goal of the Building Retrofit Task Force is to achieve an energy savings of 35 percent in the residential sector and 25 percent in the non-residential sector over the next five years. The primary aim of the policies and programs is to elicit the voluntary weatherization of existing buildings. Various educational, incentive and regulatory measures should be implemented to encourage retrofit activities.</p>	<ul style="list-style-type: none"> • Develop a low-interest revolving loan/grant fund to assist in financing energy conservation improvements to the housing stock • Provide low-interest loans, grant assistance, and financial incentives to residents for energy retrofit of the housing stock • Produce a method for evaluating the solar and conservation potential of the homes of low and moderate income residents
<p>Renewable Resources - The City shall encourage a shift from the consumption of nonrenewable energy resources by residential, commercial and institutional users to the use of renewable resources, including passive, active and hybrid solar systems, low head hydroelectricity, wind electricity, biomass/methane, waste heat recovery systems and waste recycling.</p>	<ul style="list-style-type: none"> • Install an active solar array at Fuller Park to heat the pool • Hydroelectricity reactivation at four of the city’s dam sites • Encourage expansion of current recycling efforts
<p>New Construction and Site Design - The City shall promote energy efficiency and the use of renewable energy resources to the greatest extent possible in new development, reconstruction and renovation by optimizing the energy efficiency of new construction techniques, using energy-conscious site planning and landscaping practices, and by protecting the solar access of buildings for use of solar collection devices.</p>	<ul style="list-style-type: none"> • Strengthen energy conservation standards in building codes • Train staff involved with building code enforcement to understand the Michigan Energy Code • Create guidelines for city planting and landscaping to improve energy efficiency
<p>Promotion and Education - To encourage the participation of Ann Arbor citizens in a citywide energy conservation effort, the City shall promote energy efficiency by its citizens, and educate them on measures and issues related to energy conservation.</p>	<ul style="list-style-type: none"> • Promote energy conservation through media articles, programs, workshops, and information sessions • Redesign energy bills to show decrease/increase in energy usage compared to previous year • Coordinate with local Universities/schools to provide energy education programs
<p>Municipal Operations - City departments shall reduce energy consumption by adopting energy conservation measures, and by changing operational procedures to those most energy and cost-effective.</p>	<ul style="list-style-type: none"> • Create a procurement policy that incorporates the life cycle costs of purchases • Continue retrofit efforts to improve the energy efficiency of City owned facilities and continue to build upon the public housing retrofit/rehab program • Set up a computer program to monitor energy consumption in City-owned facilities from utility bill data and provide reports to facilities

Malletts Creek Restoration Plan 2000

Vision Statement:

The Malletts Creek Restoration Plan is a comprehensive effort to identify and quantify impairments in Malletts Creek, determine sources of those impairments, test a range of management alternatives to address those impairments, and to recommend a plan that best balances costs and performance of each management alternative.

Malletts Creek is one of the most impervious watersheds in the Huron River system. Much of the land is covered by streets, parking lots, businesses, and homes, making over 34% of the land surface impervious, or not able to absorb water. Malletts Creek's primary impairments include flooding (stream flow) and excessive phosphorus loading

Jerry Hancock, Stormwater/Floodplain Coordinator
Public Services, Systems Planning

Review and Approvals:

City Council	Approved 3/6/2000 <i>Resolution No:105-3-00</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	Approved
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

8 goals, 33 objectives

Environmental Goals:

Viable Ecosystems; Health-Promoting Urban Environment; Clean Water; Safe Community

Geographic Location:

Huron River System – Malletts Creek

Data and Indicators:

Malletts Creek Health

Key Plan Goals	Plan Objectives
Reduce stream flows and velocities	<ul style="list-style-type: none"> • Retrofit the existing 100-year detention ponds to be extended • Reduce peak velocities by increasing upstream detention and/or channel modification • Widen the stream channel in specific areas to increase capacity
Reduce amount of pollutants in the river system and improve water quality	<ul style="list-style-type: none"> • Reduce total phosphorus load from Malletts Creek by 50% • Revise local government ordinances to reduce runoff and improve storm water management systems • Provide extra resources to strengthen soil erosion and sedimentation control enforcement
Improve habitat for fish and wildlife	<ul style="list-style-type: none"> • Restore streambank corridor and stabilize erosion • Make in-stream improvements, the addition of low flow channels, ponds and riffle pools • Reduce lawn fertilizer use and increase native landscaping
Control flooding for the ten-year storm along the main channel	<ul style="list-style-type: none"> • Retrofit detention basins/ponds • Add in-system storage structures on large storm drains • Create new wetland ponds, floodwalls/berms, and extended detention basins
Address all necessary structural and engineering improvements	<ul style="list-style-type: none"> • Repair failed endwalls, outlet structures, repair broken culverts, and repair cracked headwalls • Remove large sediment islands • Stabilize sections of the streambank
Establish an educated and involved public	<ul style="list-style-type: none"> • Create mechanisms to reach and involve stakeholders (web page, community-wide meetings, focus groups, telephone surveys), and implement public education and technical assistance program • Modify residents yard waste and leaf handling practices • Promote landowner participation in creek-safe lawn maintenance
Increase aesthetic enjoyment of the Creek	<ul style="list-style-type: none"> • Increase the frequency of street and parking lots sweeping • Conduct illicit discharge elimination program • Encourage use of grass swales or filter strips to separate parking

Solid Waste Plan 2002-2007

Vision Statement:

Achieving the goals from the Solid Waste Plan during the next five-years will position the City for cost effective, high quality waste management services for the next ten years and prepare the City to further reduce these costs and the environmental impact of our City's waste stream for decades to come.

Tom McMurtrie, Solid Waste & Recycling Coordinator
Public Services, Systems Planning

Review and Approvals:

City Council	Approved 3/4/2002 <i>Resolution No. 113-3-02</i>
Energy Commission	
Environmental Commission	Approved
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

11 goals, 161 objectives

Environmental Goals:

Responsible Resource Use

Geographic Location:

City of Ann Arbor

Data and Indicators:

Materials Recovery Facility (MRF) scalehouse data; Total Tons Composted; Percent Waste Diverted; Total Tons Recycled; Total Waste Per Capita; Total Tons Landfilled

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Set a five-year residential waste diversion goal of 60%	<ul style="list-style-type: none"> • Translate diversion goals into individual service program goals • Monitor progress towards goals and implement response systems when goals are not met
Enhance solid waste ordinance language and enforcement	
Develop partnership opportunities with area communities and agencies to improve services, reduce costs and achieve greater waste recovery	<ul style="list-style-type: none"> • Define current and targeted performance, cost, service quality, and customer satisfaction factors for service programs • Integrate incentive systems into agreements • Maintain periodic third party auditing procedures
Produce a productivity analysis of the City's refuse, recycling and yard waste collection routes to improve efficiencies	
Expanded vegetative waste collection in both the commercial and residential sectors	<ul style="list-style-type: none"> • Develop, through collaboration with regional partners, a shared set of expectations regarding possible expansion of vegetative waste composting pilot on City's compost site or an alternate site • Document expected material flows, service efficiency levels, and costs for the pilot • Define any fee systems required and determine contracting approaches for providing services
Develop a performance-based partnership approach with the City's municipal collection crews and Recycle Ann Arbor	<ul style="list-style-type: none"> • Establish and maintain the contract for recycling, leaf collection, yard waste services, operation of composting facility, and refuse services with community-based service partner
Increase City's "clean community" efforts to enhance the community's pride and sense of responsibility in protecting and enhancing our public and private outdoor areas	<ul style="list-style-type: none"> • Provide outreach, education, promotion, and technical assistance on waste reduction and reuse, recycling and composting, and home toxics reduction • Provide recycling service to all targeted areas, and collect a wide range of materials in the recycling stream • Renew mandatory participation ordinance
Evaluate the potential costs and benefits to the City of restoring the solid waste millage as a separate non-general fund account	<ul style="list-style-type: none"> • Identify and evaluate key procedural, policy, and performance parameters for an enterprise fund • If appropriate, develop and implement a plan to transition to enterprise fund • If implemented, use enterprise fund to improve City's ability to achieve related administrative goals in operational and capital funding
Develop capital financing to address capital replacement and expansion needs at the City's MRF/Transfer facility	<ul style="list-style-type: none"> • Develop capital improvements plan for the MRF • Use regional partnership approach to establish service expectations and address any public aspects of the required funding system • Upgrade the required investment in MRF throughout plan period
Capture economic benefits of recycling by increasing recycling, periodically downsizing solid waste collection system, and lowering solid waste disposal costs	<ul style="list-style-type: none"> • Upgrade fleet of curbside recycling trucks, curbcarts, and refuse trucks owned by the City • Track and test potential changes to curbside and curbside recycling system, dumpster-based recycling, and refuse collection system

Millers Creek Watershed Improvement Plan 2004

Vision Statement:

The mission of MCAT is to establish and implement socially, environmentally, and economically sustainable watershed management standards and practices that will improve the quality of the Millers Creek watershed.

The goals of this plan are to develop a set of recommendations that will improve stream habitat and watershed hydrology, improve recreational opportunities in and around the creek and help local stakeholders achieve the objectives of the Ford and Belleville Lakes total phosphorus TMDL and the Gallup (Geddes) Pond *E. coli* TMDL. Implementation of these recommendations will also help foster activities that perpetuate urban watershed and stream stewardship, and create a healthier balance between the local community and its ecosystems.

Review and Approvals:

City Council	Approved 3/21/2011 <i>Resolution No: 11-0369</i>
Energy Commission	
Environmental Commission	Approved 1/26/2006
Park Advisory Commission	
Planning Commission	Approved 6/6/2006
Master Plan Element	
County Board	

* Approved Michigan Department of Environment Quality 2005

Total Plan Goals and Objectives:

6 goals, 33 objectives

Environmental Goals:

Viable Ecosystems; Clean Water; Health-Promoting Urban Environment

Geographic Location:

Huron River System – Millers Creek

Data and Indicators:

Millers Creek Health

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Maximize land conservation	<ul style="list-style-type: none"> • Preserve open space by acquiring land and development rights • Protect natural areas by expanding park space • Acquire undevelopable land in the 100-yr floodplain and expand parks
Improve storm water management and practices	<ul style="list-style-type: none"> • Maximize the amount of storm water captured, detained, and treated • Reduce peak flows by at least 50% for the bankfull storm event • Create new storm water detention and retrofit existing detention ponds
Decrease overall pollutant loading to Millers Creek	<ul style="list-style-type: none"> • Decrease total phosphorous loading by 50% from existing conditions • Reduce E. coli numbers in surface waters to 130/100 ml • Install a new baffle box at the inlet of Huron High School channel reach
Increase biological diversity of terrestrial and aquatic wildlife	<ul style="list-style-type: none"> • Improve habitat by reducing or eliminating habitat impacts • Conserve critical habitats • Reforest specific areas within the five case study sites
Develop and maintain opportunities for public education and stewardship that build support for the plan	<ul style="list-style-type: none"> • Offer effective opportunities for public education, training, input, and participation • Provide readily available technical and information-based resources • Allow HRWC to lead the public understanding and support efforts
Improve recreational opportunities	<ul style="list-style-type: none"> • Improve access and signage • Install a new boardwalks and paths where necessary • Provide traffic calming measures where parks connect over roadways

Vision Statement:

Flood mitigation is an important activity for the City and its residents to pursue because for the most part the potential for damage associated with flooding in flood prone areas is preventable. The science associated with determining floodplains delivers a more exact risk area than that associated with other natural disasters like earthquakes or severe weather. Areas that have been determined through FEMA approved methodologies and designated, as a 100-year floodplain will eventually experience a large-scale flood event. During the course of a 30-year mortgage a house in a 100-year floodplain has a 26% chance of being flooded. Compare that to a 9% chance of fire. For this reason dollars invested in flood mitigation pay off greater than dollars invested in other types of mitigation activities. By investing in time and resources into flood mitigation the City will ensure the safety of its residents and prevent the damage and loss of property.

This plan contains a comprehensive examination of floodplain best management practices, a meaningful public engagement process, damage loss estimates, information on historical flooding, a floodplain development patterns narrative, and extensive GIS analysis - including a detailed land use analysis, and a flood depth analysis. It also provides guidance for plan implementation and the development of a Floodplain Ordinance. The core of the plan is a Flood Mitigation Strategy “toolbox” that includes mitigation strategies and varied vulnerability estimates by parcel and structure; a categorical risk approach yields a vulnerability index to rank order mitigation priority by parcel. A practical implementation process is outlined that sets a clear action agenda to be guided by an annual advisory meeting that will include residents, stakeholders, decision makers and staff.

Review and Approvals:

City Council	Approved 3/19/2007 <i>Resolution No.103-3-07</i>
Energy Commission	
Environmental Commission	Approved 1/25/2007
Park Advisory Commission	
Planning Commission	Approved 2/6/2007
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

7 goals, 56 objectives

Environmental Goals:

Safe Community; Health-Promoting Urban Environment

Geographic Location:

City of Ann Arbor – Huron River System and Watersheds

Data and Indicators:

Creekshed Health; Structures in the Floodplain

Key Plan Goals	Plan Objectives
<p>Maintain and utilize up-to-date floodplain mapping techniques to assist in the identification and mitigation of flood related hazards</p>	<ul style="list-style-type: none"> • Detailed hydrologic data • Map additional flood related hazards • Use future conditions hydrology for flood mapping and for city plans and regulations
<p>Employ education and outreach as a means to reduce potential flood hazards and increase community knowledge about the floodplain</p>	<ul style="list-style-type: none"> • Improve flood maps and flood information links on City website • Provide flood protection advice and flood hazard training and education • Establish certified floodplain manager and environmental and safety education program
<p>Integrate floodplain management into master plan revisions new planning projects to prevent possible hazards associated with previously planned uses that are not supported by current floodplain management standards</p>	<ul style="list-style-type: none"> • Pursue floodplain overlay zoning district • Prepare detailed flood loss model • Use multi-objective management planning
<p>Implement regulatory measures and development standards to limit flood impacts caused by the built environment</p>	<ul style="list-style-type: none"> • Research and draft additional freeboard ordinance • Draft an Addition Improvement Standard and Lower Threshold Improvement Standard, Draft Stream Buffer Zone Ordinance, and, Draft Equivalent Compensation Ordinance • Prohibit floodway development
<p>Identify opportunities where corrective actions can be used to mitigate the flood risk for properties in the floodplain</p>	<ul style="list-style-type: none"> • Increase code enforcement • Relocate development in floodplain • Acquire properties for structure removal
<p>Evaluate the City’s infrastructure within the floodplain and protect it from flood related hazards</p>	<ul style="list-style-type: none"> • Conduct flood audits and flood insurance on public buildings • Conduct flood audits and create emergency action plans for critical facilities
<p>Develop and/or refine a flood response/preparedness method for servicing the community before and after flood related disasters</p>	<ul style="list-style-type: none"> • Develop flood preparedness plan

**Capital Improvements Plan (CIP)
2012-2017**

Vision Statement:

The CIP is the planning document that serves to consolidate the needs associated with the City’s various infrastructure asset areas. These needs are gathered from findings of other City master planning efforts, staff identification through the operations and maintenance of the City’s facilities and systems and citizen service requests. The CIP provides a methodology for addressing these needs by outlining the anticipated funding sources and schedules for the projects necessary to achieve this, based on the priority of the need, and the availability of the financial and staffing resources to perform these projects.

Cresson Slotten, Unit Manager
Public Services, Systems Planning

Review and Approvals:

City Council	Approved 2/7/2011 <i>R-11-037</i>
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	Approved
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

6 goals

Geographic Location:

Citywide and surrounding townships where city assets are located

Data and Indicators:

Prioritization scores; asset condition data

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Outline a schedule for public service expenditures over the ensuing six-year period	<ul style="list-style-type: none"> • Select projects that optimize use of the taxpayer’s dollar • Enhance opportunities for participation in federal or state grant programs
Prioritize public service expenditures based on specific criteria	<ul style="list-style-type: none"> • Evaluate and prioritize projects that have an established, secure source of funding • Utilize a prioritization tool to provide a more robust, objective selection process based on specific criteria • Determine the decision criteria to be used in the prioritization process and assign relative weights and performance measures
Provide for large, physical improvements that are permanent in nature, including the basic facilities, services, and installations needed for the functioning of the community	<ul style="list-style-type: none"> • Fund permanent, physical or system improvements in excess of \$100,000 • Fund significant equipment purchases in excess of \$100,000 with a useful life of at least ten years • Fund studies of at least \$100,000 that will lead to CIPs
Add value or capacity to the infrastructure of the City	<ul style="list-style-type: none"> • Guide future growth and development
Ensure capital improvement projects are used as a tool to implement the City Master Plan and assist in City’s financial planning	<ul style="list-style-type: none"> • Focus attention on community goals, needs, and capabilities when selecting projects to pursue
Encourage efficient government	<ul style="list-style-type: none"> • Improve the basis for intergovernmental and regional cooperation • Maintain a sound and stable financial program

Commission- Approved Plans

Vision Statement:

Our vision for the future of the Huron River in Ann Arbor can be summarized as: A healthy Huron River ecosystem that provides a diverse set of ecosystem services. We envision a swimmable, fishable and boatable river, including both free-flowing and impounded segments, which is celebrated as Ann Arbor’s most important natural feature and contributes to the vibrancy of life in the city. The river and its publicly-owned shoreline and riparian areas create a blue and green corridor across the city that contains restored natural areas and adequate, well-sited public trails and access. Ample drinking water, effective wastewater removal and a full range of high quality passive and active recreation and education opportunities are provided to the citizens of Ann Arbor. Ongoing public engagement in the river’s management leads to greater stewardship and reduced conflict among users. Our approach to management creates a model that other communities upstream and downstream emulate.

Review and Approvals:

City Council	
Energy Commission	
Environmental Commission	Approved 05/28/2009
Park Advisory Commission	Approved 05/19/2009
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

8 goals, 32 objectives

Environmental Goals:

Viable Ecosystems; Clean Water; Health-Promoting Urban Environment

Geographic Location:

Huron River System

Data and Indicators:

Allen Creek Health; Fleming Creek Health; Honey Creek Health; Mallets Creek Health; Millers Creek Health; Swift Run Creek Health; Traver Creek Health; Aggregated Creekshed Health

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Ensure a healthy and sustainable aquatic ecosystem, including the river and its floodplain and watershed	<ul style="list-style-type: none"> • Perform Ecological Assessment of Impoundments • Harvest and Compost Aquatic Vegetation • Evaluate use of biological controls and herbicides
Maintain an adequate drinking water supply	<ul style="list-style-type: none"> • Reduce the sources of non-point source pollution • Implement Drinking Water Source Water Protection Plan
Minimize stormwater runoff and maximize infiltration	<ul style="list-style-type: none"> • Manage Stormwater onsite or regionally
Management of the Shoreline and Riparian Corridor	<ul style="list-style-type: none"> • Improve Riparian Buffers
Identify, protect and enhance natural features, including native forest fragments, scenic vistas, greenways and designated natural areas	<ul style="list-style-type: none"> • Expand Natural Area Preservation Capacity • Maintain Argo Dam to Preserve Impoundment/Remove Argo Dam
Support and improve a broad range of recreational opportunities consistent with ecosystem health and the quality of the recreational experience	<ul style="list-style-type: none"> • Rebuild the Argo Millrace to Remove the Canoe Portage Maintain Canoe Liveries on Argo Pond • Develop new pedestrian crossing and trails near Argo Livery Develop formal policy on recreational user cost sharing for impoundments • Develop trailered boat launch upstream of Geddes Dam Expand Angling Access Times
Consider non-recreational uses (such as restaurants, cultural facilities and power generation) as long as they are supportive of other goals	<ul style="list-style-type: none"> • Evaluate Argo Facility Opportunities • Develop Barton Recreation Facility • Evaluate Gallup Facility Opportunities
Improve opportunities for public education and stewardship that build support for the plan	<ul style="list-style-type: none"> • Create Rivershed Stewardship Committee • Promote clean engine use on the impoundments through public education and other opportunities • Improve Signage

Plans without Formal Approval

Allen Creek Watershed Management Plan 2001

Vision Statement:

Most of Allen's Creek is enclosed and inaccessible -- out of sight and out of mind except when storm events make it a public nuisance or hazard. Many residents are likely unaware of its existence. With most of the watercourse enclosed, Allen's Creek is often thought of as an "urban drain" for stormwater conveyance.

Although Allen's Creek has the potential to be a community amenity, issues of water quality, flooding, ecological health and structural integrity overshadow the creek's potential. With proper planning, government oversight, educational efforts and community investment, Allen's Creek will again become a resource to the city. By improving the health of the Allen's Creek Watershed now, the city is likely to reap long-term savings.

This watershed plan lays out a rationale and process for working with stakeholders, including residents, business operators, and policy-makers (see Appendix A), to evaluate conditions, identify concerns and options, and implement policies and programs to improve the Allen's Creek Watershed. It is intended to serve as a working document.

Review and Approvals:

City Council	
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

* Approved Michigan Department of Environment Quality 2001

Total Plan Goals and Objectives:

6 goals, 20 objectives

Environmental Goals:

Clean Water; Viable Ecosystems; Health-Promoting Urban Environment

Geographic Location:

Huron River System – Allen Creek Watershed

Data and Indicators:

Allen Creek Health

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Restore and preserve natural features	<ul style="list-style-type: none"> • Initiate programs to undertake the maintenance and restoration of the Allen's Creek ravines • Establish designated conservation easements on creek ravines • Preserve and restore existing wetlands
Improve and maintain water quality	<ul style="list-style-type: none"> • Implement regular water quality monitoring and establish baseline creek conditions • Reduce the sources of non-point source pollution • Increase water quality to a level that meets all appropriate <i>Designated Uses of the State of Michigan</i> in accordance with the <i>Clean Water Act of 1972</i>
Minimize stormwater runoff and maximize ground water recharge and infiltration	<ul style="list-style-type: none"> • Improve stormwater management practices • Reduce the water volumes, velocities, delivery rates and peak discharges into the Allen's Creek during rain events • Promote use of properly designed infiltration devices and promote innovative stormwater management programs
Management of the Shoreline and Riparian Corridor	<ul style="list-style-type: none"> • Improve Riparian Buffers
Support greenway development through the Creekshed	<ul style="list-style-type: none"> • Integrate Allen Creek into the City of Ann Arbor greenway plan • Create links to existing parks and along the creek system
Improve opportunities for public education and participation	<ul style="list-style-type: none"> • Produce educational materials and conduct informational meetings • Promote innovative programs such as rain barrels, rain gardens, detention tanks, green roofs, porous pavement, daylighting • Promote the review, development, compliance, and enforcement of policies that protect the watershed

City of Ann Arbor Greenhouse Gas Emissions Reduction Strategy 2003

Vision Statement:

The objectives of this Project are to: raise local awareness and understanding of the social, environmental, and economic benefits of reducing GHGs on a local and global scale; identify and quantify GHGs emitted by the City of Ann Arbor from 1990 to present, and project future emissions values to 2050 based on historic and future trends; identify and quantify the City of Ann Arbor's emissions reduction accomplishments since 1990; identify a politically and economically feasible GHG emissions reduction target for the City of Ann Arbor to achieve by 2020; identify strategies to reduce GHG emissions generated by Ann Arbor's transportation, residential, commercial, industrial, municipal solid waste sectors, the municipal government, and the University of Michigan's Ann Arbor Campus that meet the reduction target specified by this Project.

Andrew Brix, Energy Programs Manager
Public Services, Systems Planning

Review and Approvals:

City Council	
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

5 goals, 34 objectives

Environmental Goals:

Sustainable Energy; Stable Climate; Responsible Resource Use; Efficient Mobility

Geographic Location:

City of Ann Arbor

Data and Indicators:

Greenhouse Gas Emissions

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Develop programs prioritizing community outreach and education	<ul style="list-style-type: none"> • Develop educational programs that address heating and cooling • Develop programs that educate the community on climate change • Create a green youth corps program • Create a tree distribution and planting partnership program
Commit to energy conservation measures and methods	<ul style="list-style-type: none"> • Encourage sectors to replace older, less efficient technology, with newer, less energy intensive models • Develop a program to encourage and facilitate the installation of water-conserving fixtures and appliances in all sectors • Incentivize landlords to install energy efficient appliances
Create incentive programs that encourage alternative transportation options and alternative fuels	<ul style="list-style-type: none"> • Adopt a citywide ordinance to eliminate vehicle idling • Create a bike encouragement program that expands bike racks on all buses, expands bike lanes, and expands the police bike patrol • Encourage all permanent, full-time employees to adopt a flex-time work schedule
Reduce the total amount of landfilled materials each year by increasing waste efforts	<ul style="list-style-type: none"> • Establish 75% waste reduction mandates, to be met by the year 2020 which includes recycling, composting, reuse, and source reduction. • Add a downtown recycling drop-off site • Provide home composting and grass recycling training and seminars for residents
Support the efforts of state and federal decision-makers working to implement GHG reduction programs	<ul style="list-style-type: none"> • Draft a letter of support to Congressional lawmakers articulating • support for increasing CAFE for all passenger cars and light trucks

Water Treatment Facilities and Water Resources Master Plan 2006

Vision Statement:

The City of Ann Arbor recognizes the need to provide sustainable, high quality drinking water to its customers. To bolster the mission of serving its customers, in 2004 the City initiated a water treatment facilities and water resources master planning project. This project's vision is "to ensure a sustainable high quality and cost-effective drinking water system for the City of Ann Arbor."

Molly Wade, Unit Manager
Public Services, Water Treatment

Review and Approvals:

City Council	
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

Environmental Goals:

Clean Water

Geographic Location:

City of Ann Arbor and Huron River Watershed

Data and Indicators:

None

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
Meet current service area demands and reduce demand through water conservation	<ul style="list-style-type: none"> • Maintain existing water plant capacity • Use water conservation measures to reduce demand by up to 10 million gallons per day (mgd) • Delay demand-related capital improvements
Determine strategy to meet City water demands in 2050	<ul style="list-style-type: none"> • Evaluate developing new groundwater supplies as a more cost-efficient and reliable future water source • Increase the reliability and security of the water supply system by using more than one water source
Protect Ann Arbor's water supply	<ul style="list-style-type: none"> • Continue to develop comprehensive programs in river and groundwater monitoring, wellhead protection, and public education • Partner with other groups and communities within the watershed, since most of Ann Arbor's watershed is outside the City's jurisdiction • Advocate for stormwater management practices that are consistent with water quality protection and that are regularly maintained
Improve the quality of Ann Arbor's drinking water	<ul style="list-style-type: none"> • Take an active role in watershed management through the Huron River Watershed Council and be an advocate for stormwater inspection and maintenance enforcement throughout the watershed, particularly within Washtenaw County • Enhance protection of drinking water sources through additional monitoring at river and groundwater facilities • Avoid areas contaminated with 1,4-dioxane for groundwater supply
Assess the condition of the water quality supply and the treatment facilities	<ul style="list-style-type: none"> • Develop a clear policy to capture preventative maintenance changes • Include performance measurement benchmarks for all relevant equipment • Identify future improvements and efficiently manage infrastructure
Meet water quality goals and regulations and continue to provide high quality water to customers	<ul style="list-style-type: none"> • Continue to provide high quality water • Maintain a high customer satisfaction rating • Consider implementing process modifications to provide softer water if customers desire and support the additional cost

Vision Statement:

This plan is designed to prepare Ann Arbor for a sustainable energy future. With this plan, Ann Arbor has the potential to serve as a model for other communities looking to solar energy as an answer to rising energy costs, unstable energy supplies, stagnating local economies, and the negative environmental impacts of fossil fuel energy.

Review and Approvals:

City Council	
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

8 goals, 43 objectives

Environmental Goals:

Sustainable Energy

Geographic Location:

City of Ann Arbor

Data and Indicators:

Renewable Electricity Generation

Key Plan Goals	Plan Objectives
Commit to a solar plan implementation process	<ul style="list-style-type: none"> • Set phases for implementation and chart full implementation pipeline • Set timelines, responsibilities, and a budget for action • Hold regular advisory meetings
Design municipal solar financial incentives	<ul style="list-style-type: none"> • Promote and expand Property Assessed Clean Energy Program (PACE) • Offer an incentive for installation of solar hot water or solar PV systems • Add solar to property tax exemption
Simplify solar permitting	<ul style="list-style-type: none"> • Introduce the Permit Streamlining resolution created by Vote Solar • Expedite permitting for small scale, residential PV installations • Reduce other solar permitting barriers
Advocate for state-level policy changes	<ul style="list-style-type: none"> • Promote solar access laws such as Solar Rights • Strengthen financial incentives, Renewable Portfolio Standard, and building-energy codes and support improvements • Enact legislation encouraging community ownership of larger solar projects
Integrate solar into city infrastructure and culture	<ul style="list-style-type: none"> • Continue to install renewable installations at the municipal level • Require all city-owned installations be sub-metered and have Data Acquisition Systems • Integrate solar into high-visibility projects
Introduce solar access laws and robust building energy codes	<ul style="list-style-type: none"> • Assess, identify and eliminate solar access restrictions • Require energy audits for commercial and residential buildings • Create comprehensive building energy codes that facilitate solar energy systems
Create a solar outreach campaign	<ul style="list-style-type: none"> • Build upon existing solar installations • Create an outreach and marketing program through neighborhoods • Create a solar ambassador program to train and facilitate the outreach of solar educators
Support solar workforce development and green jobs	<ul style="list-style-type: none"> • Create partnerships with Detroit IBEW and other stakeholders • Provide scholarships to local installers or trainees to gain NABCEP certification • Require Green Jobs criteria that can be included as part of city-created Requests for Proposals

Affordable Housing Needs Assessment (AHNA) 2007

Vision Statement:

The AHNA recommends that Washtenaw County preserves or creates 5,005 affordable housing units (rental and owner) primarily for low-income households.

The purpose of this study is to examine affordable housing in the county, as well as the factors that affect this housing, and present recommendations to address gaps in housing affordability. This assessment will help ensure that all Washtenaw County residents live in decent, safe and affordable housing.

The goal of AHNA is to provide recommendations to effectively address issues identified during the course of the study. These issues were identified through an analysis of the data presented, from review of policy documents, and from input provided throughout the course of the study in community meetings and interviews.

AHNA aims to implement tax policies and legislation, create or amend zoning and planning regulations, and provide technical and financial assistance to private developers and non-profits to preserve and develop low-income and affordable housing.

Jennifer Hall, Housing Manager
Washtenaw County, Office of Community Development

Presentation 2

Review and Approvals:

City Council	Reviewed
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

10 goals

Environmental Goals:

Health-Promoting Urban Environment; Safe Community

Geographic Location:

Washtenaw County

Data and Indicators:

Number of affordable housing units preserved or created; population and household characteristics; characteristics of housing supply

Key Plan Goals	Plan Objectives
Preserve 920 units of low-income owner housing through green and energy efficient rehabilitation	<ul style="list-style-type: none"> • Preserve 10 units through rehabilitation in downtown Ann Arbor • Preserve 10 units through rehabilitation and energy efficiency improvements in Ann Arbor college tracts • Preserve 240 units through rehabilitation and energy efficiency improvements in other parts of Ann Arbor
Increase low-income owner housing by 445 units through down payment assistance	<ul style="list-style-type: none"> • Provide down payment assistance to 10 units in downtown Ann Arbor • Provide down payment assistance to 60 units in other parts of Ann Arbor • Provide down payment assistance for 100 first time homebuyers in Ypsilanti
Provide tax and mortgage foreclosure assistance to 150 households	
Ensure rental housing options for people under 80% AMI in every community	<ul style="list-style-type: none"> • Preserve of all existing income-restricted rental units in Ann Arbor
Develop 604 new low- and moderate-income green and energy efficient owner units	<ul style="list-style-type: none"> • 30 new efficiency & 1 bedroom units for 60% - 80% AMI in downtown Ann Arbor • 20 new efficiency & 1 bedroom units for 80% - 120% AMI in downtown Ann Arbor • 40 additional 2 – 4 bedroom units for 50% - 80% AMI with resale restrictions in Ann Arbor
Preserve 1,412 affordable rental units through refinancing and/or green and energy efficient rehabilitation	<ul style="list-style-type: none"> • Preserve 20 rental units for 80% AMI and less in downtown Ann Arbor • Implement façade improvement program in Ann Arbor college tracts • Preserve 130 units for 80% AMI or less through rehabilitation (could include public housing units) in Ypsilanti college tracts
Develop 684 new green and energy efficient rental units for low-income households	<ul style="list-style-type: none"> • 10 new efficiency & 1 bedroom units for under 50% AMI in downtown Ann Arbor • 20 new efficiency & 1 bedroom units for 80% - 120% AMI in downtown Ann Arbor • Construct 120 new rental units 0% - 50% AMI 1-3 bedrooms in Ann Arbor
Preserve all existing special needs units and shelters	<ul style="list-style-type: none"> • Preserve all existing special needs units and shelters in downtown Ann Arbor and Ann Arbor college tracts • Preserve all existing special needs units and shelters in Ypsilanti • Preserve all existing special needs units and shelters in urban townships
Create or preserve 566 green and energy efficient senior housing units	<ul style="list-style-type: none"> • Create 100 additional units of independent and assisted senior housing in Ann Arbor • Create 40 additional units for seniors in Ypsilanti • Create 130 additional units for seniors in urban townships
Develop 374 new green and energy efficient permanent supportive housing (PSH) units	<ul style="list-style-type: none"> • Create 100 new PSH units to replace YMCA single room occupancy housing in downtown • Create 200 additional units of permanent supportive housing for under 30% AMI which could be off-set by tenant-based rental assistance (TBRA) vouchers • Build 50 new permanent supportive housing units in suburban townships

*AMI stands for Annual Median Income. Low-income households have incomes at 80% of the Area Median Income or less.

**Washtenaw Urban County Consolidated Strategy and Plan
– 5 Year Consolidated Plan (Consolidated Plan)
2010 (July 1, 2008 – June 30, 2013)**

Jennifer Hall, Housing Manager
Washtenaw County, Office of Community Development

Vision Statement:

The Washtenaw Urban County community is committed to creating housing and economic opportunities to provide a suitable living environment, principally for our low to moderate-income residents.

Review and Approvals:

City Council	Reviewed
Energy Commission	
Environmental Commission	
Park Advisory Commission	
Planning Commission	
Master Plan Element	
County Board	

Total Plan Goals and Objectives:

4 goals, 11 objectives

Environmental Goals:

Health-Promoting Urban Environment; Safe Community; Local Food Sufficiency

Geographic Location:

Urban County Jurisdictions: City of Ann Arbor, City of Ypsilanti, Ann Arbor Township, Bridgewater Township, Salem Township, Pittsfield Township, Northfield Township, Superior Township, Ypsilanti Township, York Township, Scio Township

Data and Indicators:

Housing units constructed, rehabilitated, and/or acquired; Housing people served by non-profit agencies; Housing units inspected; Public facilities improved; Infrastructure projects constructed or improved.

<u>Key Plan Goals</u>	<u>Plan Objectives</u>
<p>To enhance the affordability of decent housing for low- and moderate-income households</p>	<ul style="list-style-type: none"> • 50 LMI households will become first-time homebuyers by purchasing newly constructed or rehabilitated homes • 25 units of affordable rental housing will be identified, acquired and/or rehabilitated for special needs, homeless, and/or households with incomes under 50% of AMI • 70 LMI households will receive low- or no-interest loans/grants to rehabilitate their homes for increased safety and quality
<p>To increase the sustainability of decent housing for low- and moderate-income households</p>	<ul style="list-style-type: none"> • 2,160 Rental Housing Units in West Willow & Sugarbrook will be Inspected for Code Compliance (the same 432 units annually)
<p>To improve the availability/accessibility of public services for low- and moderate income residents, in order to create a suitable living environment</p>	<ul style="list-style-type: none"> • 1,110 households will receive public services to promote housing and community stability • 340 individuals with special needs will receive human services to improve safety and livability • 885 residents will receive human services to promote community inclusion and increase economic opportunities • 3 community plans and/or needs assessment will be developed to address needs in LMI communities
<p>To improve the sustainability of low- and moderate-income neighborhoods, in order to create a suitable living environment</p>	<ul style="list-style-type: none"> • 110 public facility or infrastructure needs will be identified and addressed annually to increase safety and sustainability • 15 public facilities will have increased or improved functionality • 11 properties will be demolished to increase the livability and sustainability of target neighborhoods

Resolutions and Ordinances

Title	Resolution Number	Date Approved	Resolution Goal(s)	Environmental Goal(s)	
Floodplain Management Resolution of the City of Ann Arbor, Michigan		November 1991	...to continue to participate in the National Flood Insurance Program and comply with all applicable statutory and regulatory requirements for the purposes of significantly reducing hazards to persons, property damage and public expenditures, and to provide for the availability of flood insurance and federal funds or loans.	Safe Community	
Support of Clean Car Campaign and Establishment of a Green Fleet Policy	R-412-8-00	August 2000	City Administrator be directed to develop within nine months a comprehensive Green Fleets policy for Council approval that promotes the purchase and operation of vehicles that lead to measurable reductions in the environmental and public health impacts;	Stable Climate	Energy Commission
Authorize Washtenaw County to Include the City of Ann Arbor in the Zone of the Washtenaw County Brownfield Redevelopment Authority	R-35-1-02	January 2002	Authorize Washtenaw County to Include the City of Ann Arbor in the Zone of the Washtenaw County Brownfield Redevelopment Authority		City Council
Brownfields Implementation Plan	R-269-6-02	June 2002	Contaminated sites are cleaned to a more restrictive standard that is selected by the City of Ann Arbor; Tax Increment Financing (TIF) is used to encourage development that provides significant environmental benefits to the City that would not likely occur without TIF; Tax Increment Financing is used for projects where there is a net increase in taxable value - larger than would have occurred without the TIF; and All opportunities to reduce City costs (e.g., Potentially Responsible Parties) are exhausted to maximize the City's investment.		Environmental Commission
Approve the Brownfield Implementation Plan and Authorize the City Administrator to Accept and Review Applications Submitted to the Washtenaw County Brownfield Redevelopment Authority for Properties in the City of Ann Arbor	R-269-6-02	June 2002	Approve the Brownfield Implementation Plan and Authorize the City Administrator to Accept and Review Applications Submitted to the Washtenaw County Brownfield Redevelopment Authority for Properties in the City of Ann Arbor		
City of Ann Arbor Green Fleets Policy	R-412-8-00	May 2004	The goal of all City Service Units shall be to purchase and use the most cost-effective and lowest emission vehicle or equipment possible, while still meeting the operational requirements of the department. Fleet assets shall be selected, acquired, and utilized in a manner that provides for the best possible support of City operations through environmentally responsible fleet management.	Stable Climate	Energy Commission
Creating a Task Force to Plan a New Greenway	R-374-8-05	August 2005	The City Administrator shall begin substantive discussions with the Ann Arbor Railway to gain their cooperation in the creation of a Greenway along the Railroad Right of Way; That City Council will, no later than September 6, 2005, appoint a nine member task force that will serve until September 30, 2006, to work with City Staff and others involved in the Downtown planning process to develop a recommendation for a new Greenway that will follow roughly along the Ann Arbor Railroad Right of Way to the west of Downtown and connect with the existing Huron River Greenway; The New Greenway Task Force will develop a preliminary recommendation to be delivered to the Downtown Planning Steering Committee no later than November 1, 2005, and a final recommendation to be delivered to the Planning Commission, The Parks Advisory Commission and City Council no later than October 1, 2006;	Health-Promoting Urban Environment	City Council

Renewable Energy Goals for Ann Arbor	R-172-5-06	May 2006	Ann Arbor City Council sets a goal of 30% renewable energy for municipal operations by 2010, a goal of 20% renewable energy for the Ann Arbor community by 2015 and a goal of 20% reduction in greenhouse gas emissions from 2000 levels for the Ann Arbor community by 2015; Ann Arbor City Council directs staff to evaluate options to purchase long-term, fixed-rate “green” electricity from windmills constructed in Michigan and provide recommendations to Council by October, 2006 on moving forward with a green electricity purchase; Ann Arbor City Council directs staff to prepare and begin implementation of a plan to move the entire Ann Arbor community to 20% renewable energy by 2015;	Sustainable Energy	City Council
Ann Arbor 5,000 Solar Roofs Initiative	R-342-7-06	July 2006	City Administrator is directed to develop a program to encourage the use of solar energy for heating domestic hot water with the goal of the installation of 5000 solar roofs by the year 2015; City of Ann Arbor makes a commitment to support local, state and federal policies that will promote the use of solar energy for heating domestic hot water; City of Ann Arbor will work with education, business and environmental communities to promote the use of solar energy for heating domestic hot water	Sustainable Energy; Stable Climate	City Council
The Allen Creek Greenway	R-258-6-05	March 2007	Connectivity between the three City-owned sites for the Allen Creek Greenway (site, current use): First & William, Parking Lot 415 W. Washington, City Maintenance Garage 721 N. Main, City Maintenance Garage	Health-Promoting Urban Environment	Citizen group
Adopting Environmental Action Plan Principles and Environmental Action Plan Goals	R-330-7-07	July 2007	Sets 10 Environmental Goals: CLEAN AIR Eliminate air toxics, criteria pollutants, and persistent bioaccumulative toxins (PBT) CLEAN WATER Ensure safe water for drinking, recreation, other uses, and other species EFFICIENT MOBILITY Provide infrastructure and policies for efficient modes of transportation HEALTH PROMOTING URBAN ENVIRONMENT Ensure that the built environment promotes public health and improvements to the natural environment LOCAL FOOD SUFFICIENCY Conserve, protect, and restore local agriculture and aquaculture resources RESPONSIBLE RESOURCE USE Produce zero waste SAFE COMMUNITY Eliminate damage to public health and property from natural and other hazards STABLE CLIMATE Eliminate net greenhouse gas emissions and other destabilizing climate impacts SUSTAINABLE ENERGY Use 100% renewable energy VIALE ECOSYSTEMS Conserve, protect, and restore aquatic and terrestrial ecosystems; Directs Systems Planning Unit to develop an Environmental Action Plan based on these goals with measurable objectives, timelines, and indicators	All	Environmental Commission
Update Energy Challenge Goals		February 2011	Recommends new Energy Challenge goals for municipal operations of reducing greenhouse gas emissions 50% from 2000 levels and using 30% renewable energy by 2015; Recommends new city-wide Energy Challenge goals of reducing greenhouse gas emissions 8% from 2000 levels and using 5% renewable energy by 2015	Sustainable Energy; Stable Climate	
Set Energy Challenge Goals	R-11-142	April 2011	Sets a goal of reducing greenhouse gas emissions in municipal operations 50% from 2000 levels by 2015, a goal of using 30% renewable energy in municipal operations by 2015, a goal of reducing community-wide greenhouse gas emissions 8% from 2000 levels by 2015, and a goal of using 5% renewable energy community-wide by 2015; Directs staff to continue to update and implement plans to meet the preceding greenhouse gas emissions reduction and renewable energy goals; Directs staff to include in its plans an evaluation of options to purchase long-term, fixed-rate renewable electricity from Michigan wind energy resources	Sustainable Energy; Stable Climate	