Indicators and Linkages

[Environmental Stewardship Action Plan](#)

[Land Use Action Plan](#)

[Community Heritage Action Plan](#)

[Pollution Prevention and Recycling Action Plan](#)

[Transportation Action Plan](#)

[Public Facilities Action Plan](#)

[Civic Responsibility Action Plan](#)

[Energy Conservation Action Plan](#)

[Human Health Action Plan](#)

[Environmental Health Action Plan](#)

Environmental Stewardship Action Plan

Indicators	Direction for Movement Towards a Green Community	Linkages

Number of individuals of key species

- Species' habitats ↑
- Clean water ↑

- Stormwater runoff
- Construction practices
- Farming and forestry practices
- Increased development
- Loss of habitat

Wetlands - acreage and quality

- Wetlands water quality ↑
- Amphibian production ↑
- Acreage lost to development ↓

- Flood and erosion control
- Stream and groundwater quality
- Open space
- Boating and photographic opportunities
- Species habitat
- Population growth and resulting development

Biodiversity

- Abundance and species diversity ↑
- Number of surviving indigenous native plant species ↑
- Acreage lost to development ↓

- Wetlands quality
- Soil erosion
- Stormwater runoff
- Population growth
- Development and land use
- Agricultural activity

Soil Erosion

- Turbidity levels ↓
- Total suspended solids ↓
- Sediment control plans ↑

- Water quality
- Construction activity
- Population growth
- Development and land use
- Aquatic habitats

Air Quality

- Reported respiratory problems ↓
- Carbon monoxide and sulfur dioxide emissions ↓
- New cars with alternative fuels ↑

- Transportation
- Land use
- Economic development
- Public health

Land Use Action Plan

Indicators	Direction for Movement Towards a Green Community	Linkages
Open Space		●Reduces impervious surfaces
• Open space acreage	↑	●Increases urban biodiversity
• Proximity to open space and recreational facilities	↓	●Supports trees and plants that can reduce air pollution
		●Provide visual pleasure
		●Source of recreational activity
Impervious Surfaces		●Impacts on water quality
• Acres of impervious surface	↓	●Increase risk of flooding
• Stormwater runoff volumes	↓	●Decrease in amphibian populations
• Increases in aquifer recharge	↑	●Increase erosion and sediment
		●Increase local air temperatures
		●Reduction in air quality
Farmland and Agriculture		●Increases in impervious surfaces
• Public agriculture gardens	↑	●Vehicle miles traveled from farms converted to suburban development
• Farmland losses	↓	●Reduces availability of local farm products
• Education and training programs on sustainable agriculture	↑	●Reduces cultural and economic diversity of the region
Employment		●Diverse employment conditions reduce impacts of down time in One economic sector
• Economic diversity	↑	
• Unemployment	↓	●Maintaining tax revenues and Consumer spending
• Proximity to place of employment	↓	●Assumes resources for support of environmental protection
Retail Development in the Downtown		●Less sprawl and greenfield development
• Vacant storefronts	↓	●Focal point for social and business activity
• Employment opportunities	↑	●Fewer vehicle miles traveled
• Use of transit services	↑	●Opportunities for pedestrians and walkways
		●Preservation of historic and cultural resources
Cluster housing/development		●Preservation of open space
• Open space development	↓	●Less impervious surface
• Land consumption	↓	●Reduced roadway and utility installation and costs
• Pedestrian and biking trails	↑	●Opportunities for creative development practices

Community Heritage Action Plan

	Indicators	Direction for Movement Towards a Green Community	Linkages

Historic District Designations

- Properties preserved ⬆
- Local heritage history programs ⬆

- Preserve properties and reduce demolition
- Maintain integrity of neighborhood
- Continuity source of tax revenues

Historic Sites Available to the Public View

- Number of people visiting sites ⬆

- Promote tourism and economic development
- Increase educational attainment

Downtown Historic Preservation

- Increasing tax revenue ⬆
- Retail sales ⬆

- Maintain integrity of downtown area
- Establish theme for downtown
- Preserve economic vitality of downtown
- Reduces vehicle miles traveled
- Reduce commercial development in greenfields
- Increase level of business activity in the downtown

Pollution Prevention and Recycling Action Plan

Indicators	Direction for Movement Towards a Green Community	Linkages
Toxic Releases		
• Data from toxic release inventory	↑	• Improved air quality
• Air quality	↑	• Public health
Use of Recycled Products		
• Tons of recovered paper	↑	• Reduced energy consumption
• Consumption of recycled paper products	↑	• Reduced use of forestry mineral and water resources
Demand for Waste Disposal Space		• Reduce land devoted to disposal of solid waste
• Landfill permit applications	↓	• Water quality
		• Loss of habitat

Transportation Action Plan

Indicators	Direction for Movement Towards a Green Community	Linkages
Reduced Vehicle Miles		• Air quality
• Fuel consumption	⬇	• Impervious surface
• Annual miles traveled	⬇	• Fuel consumption
• Walking and biking	⬆	• Uncontrolled land use development
		• Habitat losses
		• Loss of open space
Pedestrian Friendly Environment		• Improved health
• Street miles that are pedestrian friendly	⬆	• Greater social interaction
• Handicapped accessible	⬆	• Improved safety
		• Positive business atmosphere
Transit Usage		• Reduce air pollution
• Ridership	⬆	• Encourage more densely populated communities
• Vehicle usage	⬇	• Zoning regulations
Alternative Transportation Modes		• Land use
• Biking	⬆	• Fuel consumption
• Car pooling	⬆	• Public health

Public Facilities Action Plan

Indicators	Direction for Movement Towards a Green Community	Linkages

Public Schools
- Graduation rates ⬆
- Test scores ⬆
- Youth involvement in community service ⬆
- Diversity of teachers ⬆

Linkages:
- Skilled labor force
- Economic development
- Income
- Crime in the community
- Housing and job demand

Parks and Recreation
- Programs ⬆
- User levels ⬆
- Park land acreage ⬆

Linkages:
- Land use
- Public health
- Water quality
- Air quality

Libraries
- Services ⬆
- Circulation ⬆

Linkages:
- Literacy
- Political interest
- Education level
- Intellectual vitality

Police
- Number of officers ⬆
- Crime levels ⬇
- Community involvement ⬆

Linkages:
- Public safety
- Pedestrian traffic
- Economic development

Fire and Rescue
- Equipment and facilities ⬆
- Response time ⬇
- Training and education ⬆

Linkages:
- Public safety

Sewer and Water
- Drinking water quality ⬆
- Effluent discharge quality ⬆
- Number of public water and sewer customers ⬆
- Surface water pollution ⬇

Linkages:
- Groundwater quality and quantity
- Land use
- Transportation
- Surface water quality
- Sludge disposal

Civic Responsibility Action Plan

Indicators	Direction for Movement Towards a Green Community	Linkages
Neighborhood Activities		
• Regular meetings	↑	• Enhanced cultural and economic health
• Picnics and other social activities	↑	• Reduce crime
• Representation in community affairs and organizations	↑	• Increase civic participation
Participation and Leadership		
• Influence on community activities	↑	• Improved government
• Representative of ethnic and racial diversity	↑	• Good ideas
• Conflict on community vision and problems	↓	
Voter and Electoral Participation		
• Voter registration	↑	• Improved social environment
• Voter turnout	↑	• Informal citizenry
• Candidate recruitment	↑	• Political awareness
Community Pride		
• Celebrate community progress	↑	• Attracts volunteers and Participants
• Honor volunteers and community leaders	↑	• Attracts business and residents to the community
Volunteerism		
• Arts and cultural activities	↑	• Higher literacy and education levels
• Governmental affairs	↑	• More activities at less cost
• School and library activities	↑	• Positive influence in school academic, athletic and social activities

Energy Conservation Action Plan

Indicators	Direction for Movement Towards a Green Community	Linkages
Residential/Commercial/ Industrial		
• Energy efficient building design	↑	
• Power usage	↓	• Land use
• Use of alternative energy systems	↑	• Economic development
• Public education	↑	• Air and water quality
• Financing availability	↑	• Community action
• Barriers to energy-wise practices	↓	
Transportation Practices		
• Vehicle miles traveled	↓	• Land use
• Transit use and other alternative systems	↑	• Transit oriented development
• Financial support	↑	• Economic development

Human Health Action Plan

Indicators	Direction for Movement Towards a Green Community	Linkages

Health Care

- Access to care   ↑
- Insurance   ↑
- Services   ↑
- Cost   ↓

- Personal income tax rates
- People identifying obstacles to health care
- Health Insurance Coverage
- Number of Children without health insurance
- Health Care System rating
- Health Care Expenditures

- AIDS- new cases per 100,000 population
- Causes of Death
- Cigarette consumption per capita
- Marijuana use by youth at grades 5, 7, 9, 12
- Number of chemical dependency treatment programs
- Police incidents related to alcohol and other drugs
- Adults with normal blood pressure
- Adults with good health practices
- Health diets for children
- Percentage of population who are physically fit
- Deaths due to unintentional injuries
- Vehicle safety restraints used consistently

Physical Health

- Disease   ↓
- Drug Use   ↓
- Fitness   ↑
- Safety   ↑

Environmental Health Action Plan

Indicators	Direction for Movement Towards a Green Community	Linkages
Awareness		• Amount and effectiveness of education programs to increase awareness of environmental issues • Percentage of population who believe pollution a priority • Number of environmental education programs at elementary schools • Percentage of population who are environmentally literate • Number of environmental education programs available for community
Air Quality		• Severity and Source of pollution • Particulate matter in air • Good air quality days • Ozone unhealthy days • Air pollution from passenger vehicles • Air pollutants from stationary sources • Number of complaints about Air Quality per year
Hazardous Wastes		• Amounts and types of hazardous wastes generated • Toxic chemicals released/ transferred • Number of Users to Hazardous Waste Depot
Solid Waste		• Amount of household hazardous waste generated per person