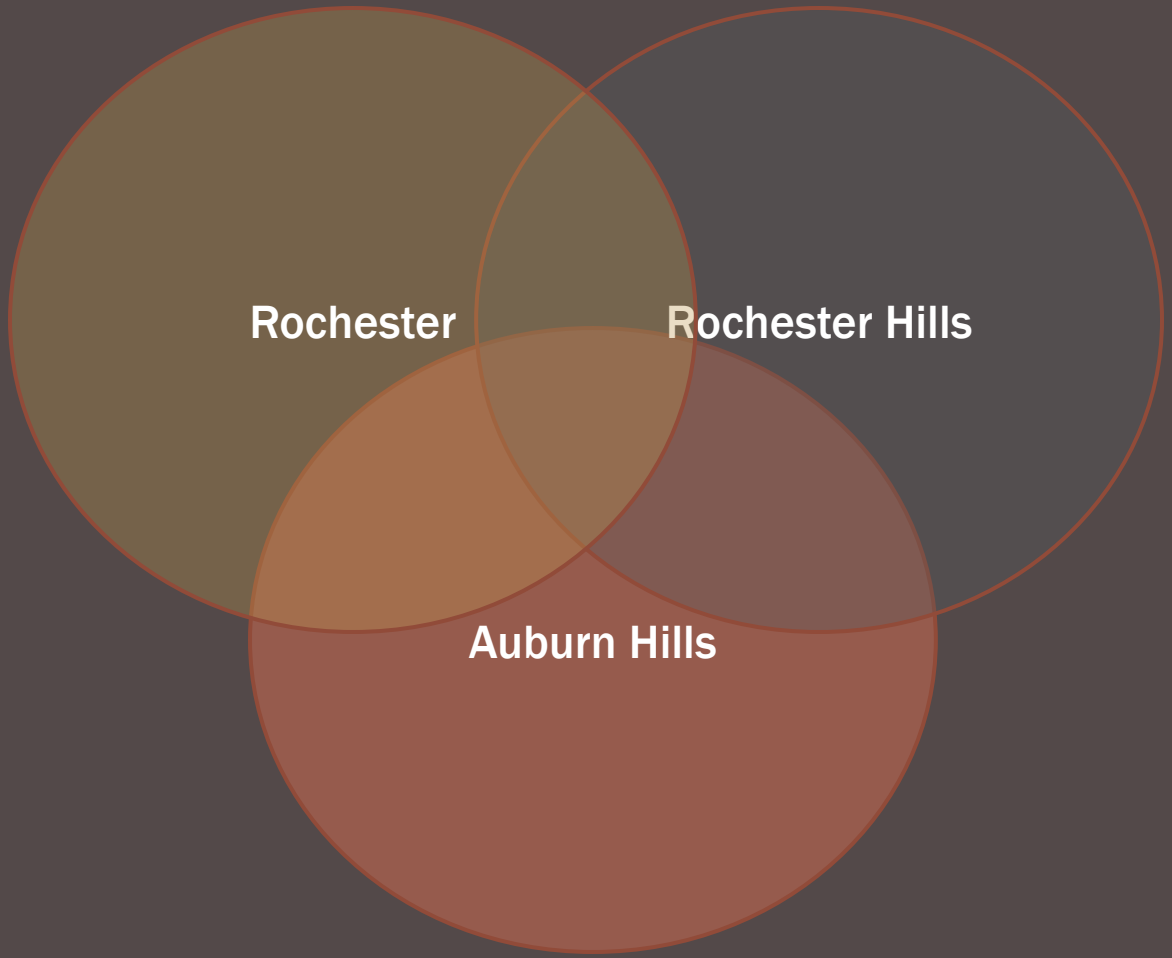
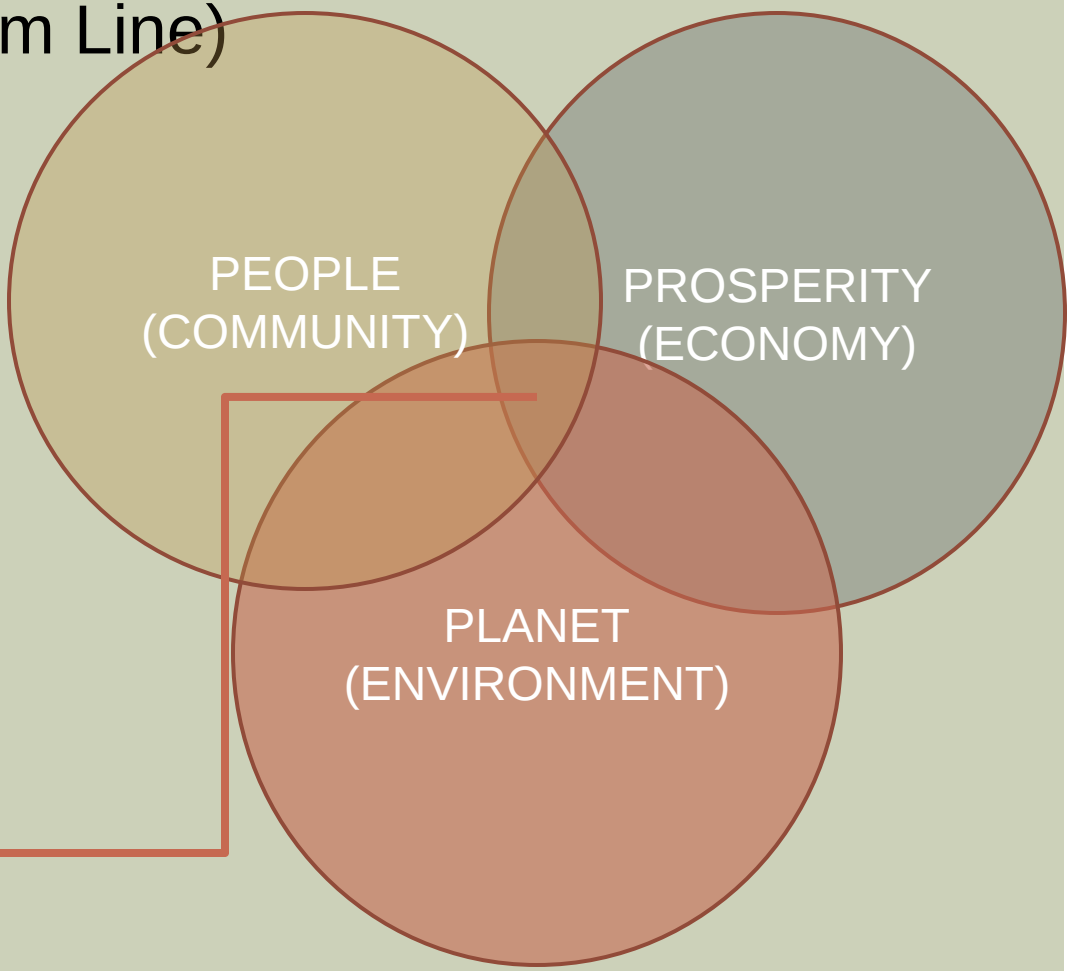
# TRI-CITY SUSTAINABILITY PARTNERSHIP




Presentation to Rochester Hills City Council
October 15, 2012

# SUSTAINABILITY: THE TRIPLE BOTTOM LINE

- Balancing social, economic, environmental outcomes (Triple Bottom Line)



# TRI-CITY SUSTAINABILITY PARTNERSHIP

City of Rochester

City of Rochester Hills

City of Auburn Hills

**Project began in Fall 2010**

- Oakland County issued RFP to 61 CVT's
- Tri-City partnership application selected
- Contractor selected with input from Tri-City staff
- All 3 communities passed council resolutions supporting participation

**Community Input**

- Sustainability Advisory Board
  - Government
  - Environment
  - Education
  - Business
  - Health
- Community survey
- Multiple workgroups
- One public meeting
- Consultation with city staff

# TRI-CITY SUSTAINABILITY PARTNERSHIP

City of Rochester

City of Rochester Hills

City of Auburn Hills

## Vision & Mission

*VISION: The communities of Rochester, Rochester Hills and Auburn Hills embrace and advance local sustainability, characterized by a vibrant economy, healthy natural environment and cohesive local community.*

*MISSION: The Tri-City Sustainability Program, composed of the Cities of Rochester, Rochester Hills, Auburn Hills and Oakland County, seeks to advance sustainability through the individual and combined efforts of governments, businesses, institutions and residents.*

# CAN YOU GUESS WHICH COMMUNITY…

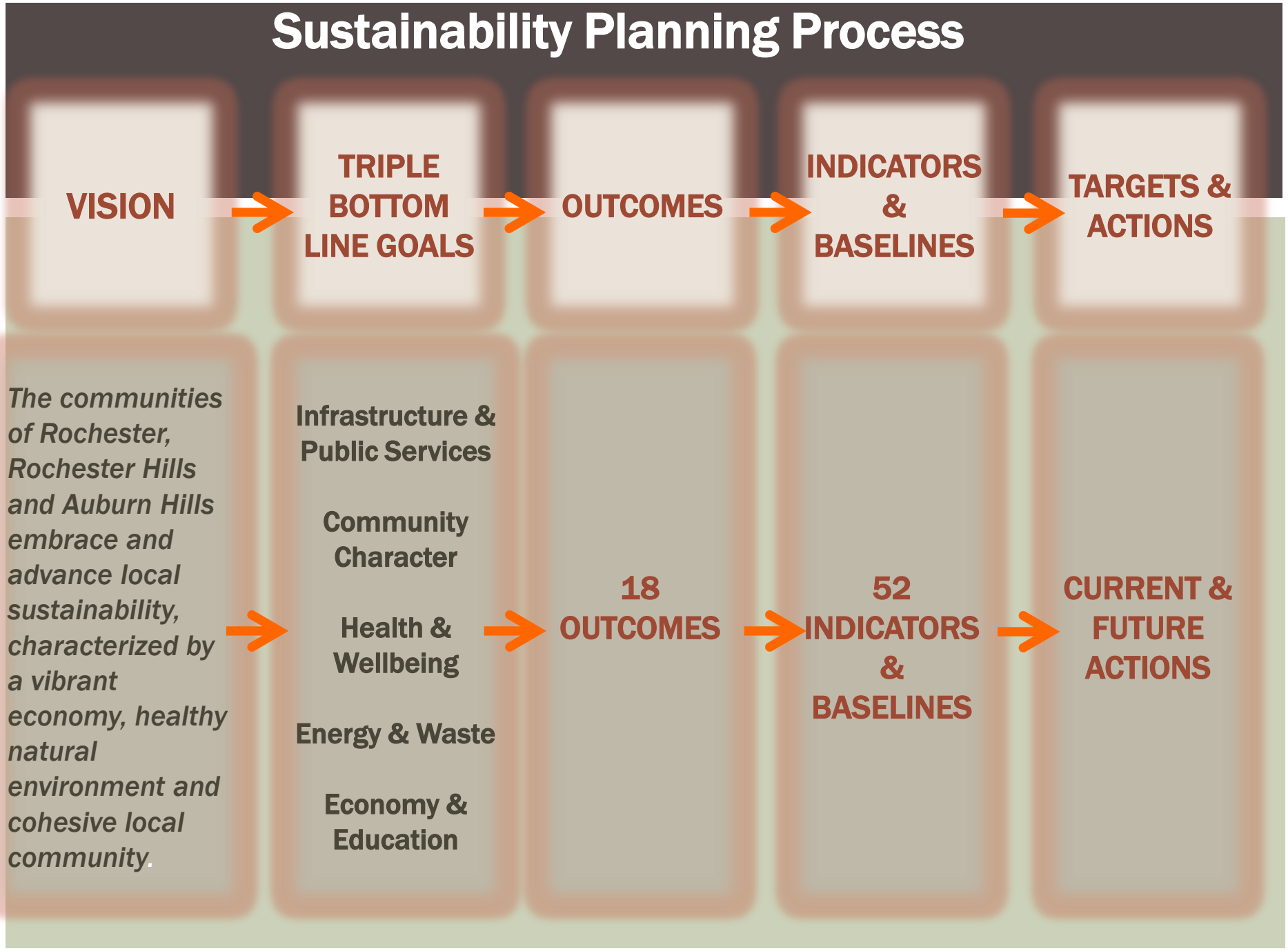
…. Has a AA+ Bond Rating ?
…. Has low unemployment?
…. Beats SEMCOG benchmarks for general fund balance ?
…. Beats national benchmarks for acres of parkland per resident?
…. Has more residents shorter with commute times of ten minutes or less than the nation?
…. Has more residents with a bachelor's degree than the nation?
…. Has 93% of residential parcels within ½ mile of a park?

Rochester Hills, MI

# SUSTAINABILITY DEFINITIONS

| TERM | DEFINITION |
|---|---|
| **Vision** | An image or description of what the community desires to become in the future |
| **Triple-Bottom Line Goals** | Overall sustainability goals a community wants to focus on |
| **Outcomes** | Descriptions of the specific “end states” a community would like to achieve |
| **Indicators** | A measurable, standardized quantitative metric that measures progress towards outcomes |
| **Baseline** | A base measurement for an indicator, from which point progress will be measured |
| **Targets** | Specific numeric target or direction of change from the baseline indicator |
| **Actions** | Projects, plans or activities that achieve outcomes (existing and future) |
| **Leaders** | People and organizations that are responsible for implementing actions |

# Sustainability Planning Process



# Infrastructure and Public Service

## Why does it matter?

A sustainable community features a reliable, cost-effective, and efficient infrastructure and public services that meets the needs of all users.

### Outcomes

1. Surface and underground infrastructure is safe, reliable, and meets demand.
2. Tri-City communities share resources, assets, and knowledge, and collaborate in efficient, cost-effective service delivery.
3. Tri-City communities feature a safe, connected, reliable, cost-effective, and efficient motorized transportation system that meets the needs of all users.
4. Tri-City communities feature safe, connected, and efficient transportation for all non-motorized users including pedestrians and bicyclists.

# Goal and Outcomes

SUSTAINABILITY INDICATORS

## Where we are and where we are going

| | | Baseline | Target* |
|---|---|---|---|
| Fiscal Sustainability | Local Government Debt *(Debt as a percent of indebtedness cap)* | 10.8% | ↔ |
| | General Fund Balance *(Percent fund balance vs. general fund budget)* | 128.1% | ↔ |
| | City of Rochester Hills Fiscal Indicator Score *(Lower is better)* | 2 | ↓ |
| | Municipal Bond Rating | AA+ | ↔ |
| Public Safety | Public Safety Response Times *(minutes)* | 5:30 | ↓ |
| | Fire Damage *(Percent total assessed value)* | 0.02% | ↓ |
| Services and Infrastructure | Condition of Roads *(Percent road miles deficient)* | 30% | ↓ |
| | Condition of Bridges *(Percent public bridges deficient)* | 42.9% | ↓ |
| | Water Line Breaks *(Breaks per pipe mile)* | | ↓ |
| | Sewer Line Breaks *(Breaks per pipe mile)* | | ↓ |
| | Full-Time Equivalent Municipal Employees per Resident *(Full-Time Equivalent per 1,000 residents)* | 3.2 | ↔ |
| | Full-Time Equivalent Municipal Employees per Daytime Population *(Full-Time Equivalent per 1,000 daytime population)* | 3.5 | ↔ |

* In the Target column, arrows denote desired direction. For more information on baselines, including benchmarks, standards, and comparisons, please view the full report at www.ftch.co/tricity.

# Indicators, Baselines and Targets

## What we are doing

| | |
|---|---|
| Safe Routes to School Efforts | Older Person's Center |
| Capital Improvement Plan | Under-utilized Equipment Sharing Program |
| Emergency Water and Sewer Reserve Fund | Low Impact Development Standards Incorporated into Design & Engineering Standards |
| Adoption of 5-Year Budget | |
| Peak Water Use Restrictions | |
| Asset Management Program | |
| Master Plan and Dedicated Millage for Biking and Pedestrian Pathways | |
| Replacement of Streetlights with LED Bulbs | |
| Tri-City Public Inter-Local Service Agreement | |
| Building Inspection Inter-Local Agreement | |
| Contracting for Other Units of Government | |
| Rochester Hills Public Library | |
| SCADA | |
| Contract with Oakland County Sheriff for Police Services | |

| What we are planning | When | Who |
|---|---|---|
| Marketing and promotion of bike pathway system loops/routes. | 2014 | Planning |
| Pursue Safe Routes to School partnerships and registration (in partnership with Rochester Community Schools). | 2014 | Planning |
| Create zoning flexibility that allows critical service to locate within walking distance of homes, jobs, and transit. | 2014 | Planning |
| Adopt and implement a Complete Streets policy. | 2014 | Public Services |

# Actions (existing & future)

# Buildings, Energy & Waste

## Why does it matter?

A sustainable community features policies that educate and promote energy efficiency, increased recycling, and proper disposal of hazardous waste.

### Outcomes

9 Tri-City public facilities lead the way in sustainable energy practices.

10 Numerous green and healthy buildings exist within the Tri-Cities.

11 Tri-Cities encourage water and energy efficiency and renewable power generation.

12 Tri-Cities generate minimum waste.

# Goal and Outcomes

## Sustainability Indicators

### Where we are and where we are going

| | | | Baseline | Target* |
|---|---|---|---|---|
| Air and Water Quality | | Residential Water Consumption *(Gallons per day per 1,000 residents)* | Verifying | ↓ |
| | | Residential Wastewater Generation *(Gallons per day per 1,000 residents)* | Verifying | ↓ |
| Energy | | Leadership in Energy & Environmental Design (LEED) & Energy Star Certified Buildings *(Number of buildings per 1,000 non-residential parcels)* | 14.8 | ↑ |
| | | Leadership in Energy & Environmental Design (LEED) Buildings *(Total number of buildings)* | 9 | |
| | | Energy Star Buildings *(Total number of buildings)* | 2 | |
| | | Renewable Energy Generation in the Community *(Percent residential electrical energy demand)* | 6.66E-08 | ↑ |
| | | Residential Electricity Demand *(Megawatt hours per 1,000 residents)* | 3,783 | ↓ |
| | | Residential Natural Gas Demand *(Thousand cubic feet per 1,000 residents)* | 43,503 | ↓ |
| Waste | | Household Recycling *(Percent of households with access)* | 83% | ↑ |

* In the Target column, arrows denote desired direction. For more information on baselines, including benchmarks, standards, and comparisons, please view the full report at www.ftch.co/tricity.

# Indicators, Baselines and Targets

# Buildings, Energy & Waste

## What we are doing

Replacement of Streetlights with LED Bulbs

# Actions (existing & future)

# Community Character

## Why does it matter?

A sustainable community honors its history and culture, creating a strong, distinct, unique sense of place based on abiding institutions, protection, and interpretation of significant historic and natural resources.

### Outcomes

5 Tri-Cities feature a strong sense of place honoring history and culture.

6 Tri-Cities have a strong green infrastructure network.

7 Tri-Cities community members are engaging with the community.

8 Tri-Cities feature walkable, mixed-use centers and neighborhoods.

# Goal and Outcomes

# Sustainability Indicators

## Where we are and where we are going

| | | | Baseline | Target* |
|---|---|---|---|---|
| Air and Water Quality | | Public Waterway Quality<br>*(Clinton River Watershed Council Adopt-a-Stream Survey Results)* | Good | ↑ |
| Community Engagement | | Voter Participation<br>*(Percent Registered voters that participated in November 2008 presidential election)* | 78.5% | ↔ |
| Economic Prosperity | | *Value of Residential Historic District Parcels* *(Ratio of average assessed value per building square foot of residential historic district parcels to non-significant parcels)* | 1.6 | ↑ |
| | | Jobs per Dwelling Units *(Ratio of jobs to dwelling units)* | .96 | ↑ |
| Green Infrastructure | | Natural Areas Protected *(Percent Acres)* | 5.04% | ↑ |
| | | Active Parkland *(Acres per 1,000 residents)* | 30.2 | ↑ |
| | | Passive Parkland and Environmental Preserves<br>*(Acres per 1,000 residents)* | 38.2 | ↑ |
| | | Recreational Pathways *(Miles of trail per square mile)* | 5.5 | ↑ |
| | | Tree Canopy Coverage *(Percent area)* | 23.6% | ↑ |

* In the Target column, arrows denote desired direction. For more information on baselines, including benchmarks, standards, and comparisons, please view the full report at www.ftch.co/tricity.

# Indicators, Baselines and Targets

# Actions

**(existing & future)**

## What we are doing

| |
|---|
| Recreation Plan |
| Steep Slope Ordinance |
| Tree, Wetland, Buffer Ordinances |
| Designate Historical and Cultural Resources |
| Promotion of Mixed Development through "Flexible Use" Areas in Master Plan |
| Raise Public Awareness of Historic Districts |
| Publish Online Dashboard |
| Participation in Michigan Benchmarking Consortium |
| Low Impact Development Standards Incorporated into Design & Engineering Standards |
| Channel Protection Standards |
| Streambank and Habitat Restoration |
| Stony/Paint Creek Sub Watershed Implementation Project |
| Green Space Millage Purchasing Program |
| Develop and Enforce a Comprehensive Storm Water Management Program |
| Rochester Hills Historic District Commission |
| Sanitary Sewer Inflow and Infiltration Study |
| Provide Examples to Developers of Mixed-Use Development at Scales that are Appropriate to the Community |
| Prepare a Non-Motorized Transportation Masterplan |
| Develop Form-Based Codes to Guide Form and Function of Mixed-Use Developments in Targeted Areas |
| Develop a Plan to Convert Declining Shopping Malls and Strip Commercial Malls into Mixed-Use Development |

## What we are planning

| What we are planning | When | Who |
|---|---|---|
| Small Area Planning | 2014 | Planning |
| Create zoning flexibility that allows critical service to locate within walking distance of homes, jobs, and transit. | 2017 | Planning |
| Apply LID strategies to all road rehabilitation projects. | 2017 | Public Services |
| Increase safe social gathering places and opportunities for young people. | 2017 | Public Services |
| Work with lenders to facilitate funding of mixed-use projects. | 2017 | Planning |
| Improve the pedestrian and bike connectivity between the Village of Rochester Hills and other "Flexible Use" areas and surrounding residential areas. | 2017 | Planning |
| Promote the use of rain gardens and barrels in residential areas. | 2017 | Public Services |
| Celebrate community resources through increased community events. | 2017 | Administration |
| Conduct walkability, bikeabliity, and road safety audits around key destination areas, develop and implement a plan to address deficiencies. | 2017 | Planning |

# Economy & Education

## Why does it matter?

A sustainable community has residents who are economically secure and well-educated with training, mentorship, and educational opportunities available to all.

### Outcomes

13 The local business climate is strong and diverse.

14 Tri-City community members are economically secure.

15 Tri-City community members are well-educated.

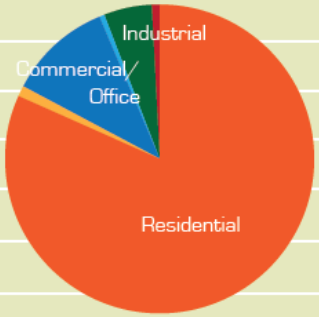
16 The Tri-Cities attract and retain young, educated workers and residents.

# Goal and Outcomes

SUSTAINABILITY INDICATORS

## Where we are and where we are going

| | | | Baseline | Target* |
|---|---|---|---|---|
| Economic Diversity | $ | Tax Base Diversity *(Percent assessed value)* | | |
| | | Residential | 81.7% | |
| | | Residential Vacant | 1.2% | |
| | | Commercial/Office | 10.8% | |
| | | Commercial/Office Vacant | 0.6% | |
| | | Industrial | 5.1% | |
| | | Industrial Vacant | 0.0% | |
| | | Other | 0.6% | |
| Employment | | Five-Year Unemployment *(Percent workers, 2006-2010 average)* | 8.2% | ↓ |
| | | 16 to 19 years | 20.5% | |
| | | 20 to 24 years | 10.7% | |
| | | 25 to 44 years | 7.7% | |
| | | 45 to 54 years | 6.8% | |
| | | 55 to 64 years | 7.8% | |
| | | 65 to 74 years | 4.2% | |
| | | 75 years and over | 4.9% | |
| | | Annual Unemployment *(Percent annual jobless rate based on current claims)* | 5.9% | |
| Transportation | | Residential Parcels within Half-Mile of a Bus Stop *(Percent units measured along road network)* | 2% | ↔ |
| | | Commercial, Office, and Industrial Parcels within Half-Mile of a Bus Stop *(Percent units measured along road network)* | 5% | ↔ |
| | | Residential Parcels within Half-Mile of a Park *(Percent Parcels)* | 93% | ↔ |




* In the Target column, arrows denote desired direction. For more information on baselines, including benchmarks, standards, and comparisons, please view the full report at www.ftch.co/tricity.

# Indicators, Baselines and Targets

## What we are doing

| | |
|---|---|
| Rochester Hills Economic Development Strategy | Provide or Provide Referrals to Oakland County's Small Business Counseling Services |
| Adopted M-59 Corridor Plan | RISE Program (Rochester Hills Innovators and Senior Executives) |
| Adopted Zoning Regulations to Implement Mixed Residential, Regional Employment Center, and Office Future Land Use Designations | http://www.filmrochesterarea.org/ |
| Adopted Business/Flexible Use Overlay Districts | |
| Mayors Business Council | |
| "Innovative by Nature" Branding Campaign | |
| Business Attraction and Retention Program | |
| Local Development Finance Authority | |
| Brownfield Program | |

## What we are planning

| What we are planning | When | Who |
|---|---|---|
| Work with neighboring local governments to improve consistency among permit processes and requirements where feasible. | 2022 | City Manager |
| Small Area Planning | 2012 | City Manager |
| Work with lenders to facilitate funding of mixed-use projects. | 2017 | Planning |

# Actions (existing & future)

# Health and Well-being

## Why does it matter?

A sustainable community provides the resources necessary for individuals to maintain wellness, including access to exercise, healthy food, healthy schools, health education, and counseling resources, and social capital.

### Outcomes

17 Community offers adequate environment and resources to enable members to maintain wellness.

18 Community members of all ages are healthy.

# Goal and Outcomes

SUSTAINABILITY INDICATORS

## Where we are and where we are going

| | | Baseline | Target* |
|---|---|---|---|
| Air and Water Quality | Public Waterway Quality *(CRWC AAS Survey Results)* | Good | ↑ |
| Green Infrastructure | Active Parkland *(Acres per 1,000 residents)* | 30.2 | ↑ |
| | Passive Parkland and Environmental Preserves *(Acres per 1,000 residents)* | 38.2 | ↑ |
| | Recreational Pathways *(Miles of trail per square mile)* | 5.5 | ↑ |
| | Tree Canopy Coverage *(Percent area)* | 23.6% | ↑ |
| Healthy Community | Years of Potential Life Lost Below Age 75 Due to Selected Causes of Death *(Years of life lost per 100,000 Residents)* | | |
| | Cancer | 1,256.30 | ↓ |
| | Heart Disease | 553.6 | |
| | Suicide | 0 | ↔ |
| | Diabetes | 115.3 | ↓ |
| | Asthma/Lower Respiratory | 53.8 | |
| Transportation | Residential Parcels within Half-Mile of a Bus Stop *(Percent units measured along road network)* | 2% | ↔ |
| | People Biking or Walking to Work *(Percent adult workers)* | 2.3% | ↑ |
| | Residential Parcels within Half-Mile of a Park *(Percent parcels)* | 93% | ↔ |
| | Residential Parcels within Half-Mile of a Commercial Center *(Percent Parcels)* | 58% | ↔ |

* In the Target column, arrows denote desired direction. For more information on baselines, including benchmarks, standards, and comparisons, please view the full report at www.ftch.co/tricity.

# Indicators, Baselines and Targets

| What we are doing |
| --- |
| Older Person's Center |
| Safe Routes to School Efforts |
| Master Plan and Dedicated Millage for Biking and Pedestrian Pathways |
| Recreation Plan |
| Prepare a Non-Motorized Transportation Master Plan |

| What we are planning | When | Who |
| --- | --- | --- |
| Conduct walkability, bikeabliity, and road safety audits around key destination areas, develop and implement a plan to address deficiencies. | 2017 | Planning |
| Conduct a Promoting Active Communities (PAC) Assessment and develop a plan to address deficiencies. | 2017 | Planning |
| Require or encourage a Health Impact Assessment to evaluate the public health impacts of projects, policies, or programs. | 2017 | Planning |
| Install bicycle and pedestrian infrastructure to facilitate biking and walking to multiple land uses. | 2017 | Public Services |
| Adopt and implement a Complete Streets policy. | 2017 | Public Services |

# Actions (existing & future)

VISION → TRIPLE BOTTOM LINE GOALS → OUTCOMES → INDICATORS & BASELINES → TARGETS & ACTIONS

# Deliverables:

Tri-City Framework Technical Document

Goal Report

Goal Report

Goal Report

Goal Report

Goal Report

Sustainable Environment

Technical Report

Data Management Tool (INDICATORS AND ACTIONS)

Graphic Reports for Public

# THINGS TO BE PROUD OF……

- AA+ Bond Rating
- Low unemployment
- Beats SEMCOG benchmarks for general fund balance
- Beats national benchmarks for acres of parkland per resident
- Has more residents shorter with commute times of ten minutes or less than the nation
- Has more residents with a bachelor's degree than the nation
- Has 93% of residential parcels within ½ mile of a park

# THINGS TO WORK ON……

- Public safety response times exceed regional benchmark
- Motor vehicle crashes 1.3 times that of SEMCOG region
- Fewer people biking or walking to work than SEMCOG region
- Fewer jobs per dwelling unit than recommended standard

Not just local government

# COMMUNITY-LED ACTIONS

| Focus Areas | Actions | Leaders |
|---|---|---|
| | Promote Healthy School Lunches | School Districts |
| | Promote Workplace Wellness | Business |
| | Promote Youth Wellness | Schools |
| | Promote Residential Energy Audits | Homeowners Associations |
| | Promote Physical Activity | Community Organizations/ Hospitals |
| | Promote Commercial Energy Audits | Chambers/DDA |
| | Promote Business Recycling | Chambers/DDA |
| | Promote Educational Programs on Recycling and Waste | Homeowners Associations |
| | Promote Recycling in Multi-Family Residential Areas | Apartment Owners |
| | Promote Sustainable Building Materials *(alternative and re-used materials)* | Construction Business |
| | Survey Local Businesses to Determine Skill Needs and Gaps | Higher Education Institutions |
| | Establish a Tri-City Community Scholarship | Community Organization |
| | Establish a Regional Internship Tracking System | Higher Education Institutions |
| | Survey College Students on Community Amenities They Seek Upon Graduation | Higher Education Institutions |
| | Establish a Regional Mentorship Program | Higher Education Institutions |
| | Establish a Healthy Recipe Club | Community Organizations/ Hospitals |

# Collaboration

| | What we are collaborating on..... | Auburn Hills | Rochester | Rochester Hills | Oakland County | SEMCOG | Business & Education |
|---|---|---|---|---|---|---|---|
| Public Services | Court & Law Enforcement Management Information System (CLEMIS) | ✓ | ✓ | ✓ | ✓ | | |
| | Tri-City Public Inter-Local Service Agreement | ✓ | ✓ | ✓ | | | |
| | Mutual Aid Box Alarm System (MABAS) | ✓ | ✓ | ✓ | | | |
| | Supervisory Control and Data Acquisition (SCADA) | ✓ | ✓ | ✓ | ✓ | | |
| | Tri-Party Funded Road Maintenance Projects | ✓ | | ✓ | ✓ | ✓ | |
| | Underutilized Equipment Sharing Program | ✓ | ✓ | ✓ | | | |
| | Illicit Discharge Detection & Elimination Program (IDEP) | ✓ | ✓ | ✓ | ✓ | | |
| Community Character | Paint Creek and Clinton River Trails | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Stony Creek, Paint Creek, and Clinton River Watershed Management | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Green Infrastructure Vision for SE MI | ✓ | | ✓ | ✓ | ✓ | |
| | Paddlepalooza | ✓ | | ✓ | | | |
| Economy & Education | Rochester Hills Public Library | | ✓ | ✓ | | | |
| | One-Stop Ready Pilot Community Program | | ✓ | ✓ | ✓ | | |
| | Rochester Area Film Attraction Website | | ✓ | ✓ | ✓ | | ✓ |
| Health & Wellbeing | Older Persons Commission | ✓ | ✓ | ✓ | | | |
| | Rochester Avon Recreation Authority | | ✓ | ✓ | | | |

For a full list, please view the entire report at www.ftch.co/tricity.

# NEXT STEPS

- We will work on finalizing deliverables
- We will return in next 2 months to ask for official resolution of support

# CARRY FORWARD

- Continue to monitor actions and indicators
- Adopt this plan into your City master plan and integrate into your decision making porcess
- Continue to collaborate with Oakland County, neighboring communities and civic organizations
- Convene Sustainability Advisory Board on a  regular basis
- Leverage available sustainability resources through SEMCOG, Michigan Municipal League, and Oakland County

## Thank you!