INFRASTRUCTURE AND PUBLIC SERVICE

ROCHESTER HILLS MICHIGAN

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.

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.

Infrastructure and Public Service

Where we are and where we are going - continued

			Baseline	Target*
Transportation		Motor Vehicle Crashes (Crashes per road mile)	5.34	↓
		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%	↔
		Work Commute Time (Percent workers that travel less than 10 minutes)	10.8%	↑
		Work Commute Time (Percent workers that travel greater than 35 minutes)	23.3%	↓
		Motorized Crashes with Pedestrians and Bicyclists (Crashes per road mile)	0.07	↓
		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 (% 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.

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

BUILDINGS, ENERGY & WASTE

ROCHESTER HILLS
MICHIGAN

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.

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.

What we are doing

Replacement of Streetlights with LED Bulbs

COMMUNITY CHARACTER

ROCHESTER
HILLS
MICHIGAN

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.

SUSTAINABILITY INDICATORS

Where we are and where we are going

Category		Indicator	Baseline	Target*
Air and Water Quality		Public Waterway Quality *(Clinton River Watershed Council Adopt-a-Stream Survey Results)*	Good	↑
Community Engagement		Voter Participation *(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 *(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.

Where we are and where we are going - continued

			Baseline	Target*
Transportation	🚌	Residential Parcels within 1/2 mile of a Bus Stop *(Percent units measured along road network)*	2%	↔
	🪑	Residential Parcels within 1/2 mile of a Park *(Percent parcels)*	93%	↔
	🏪	Residential Parcels within 1/2 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.

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, bikeability, 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.

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%	↔

Pie chart: Residential, Commercial/Office, Industrial

* 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.

Where we are and where we are going - continued

			Baseline	Target*
Economic Prosperity		Jobs per Dwelling Units *(Ratio of jobs to dwelling units)*	.96	↑
		Commercial & Industrial Leasing Rates *(Per square foot)*		
		Office	$18.68	
		Retail	$18.73	↑
		Industrial	$4.67	
		Commercial & Industrial Vacancy Rates *(Percent available)*		
		Office	19.1%	
		Retail	6.8%	↓
		Industrial	8.0%	
		Creative & High-Tech Employment *(Percent workers)*	78%	↑
		Creative & High-Tech Employment *(Percent employment opportunities)*	26.4%	
Education		Residents with Bachelor's Degree or Higher *(Percent population)*	50%	↑
		Young Professionals *(Percent population age 24-35 with Bachelor's Degree)*	54.9%	↑
		4th Grade Students at or above Proficiency in Reading, Math, and Science, Respectively *(Percent students, Rochester Community Schools - see School Report for Details)*	84%, 74%, 76%	
		8th Grade Students at or above Proficiency in Reading, Math, and Science, Respectively *(Percent students, Rochester Community Schools - see School Report for Details)*	82%, 61%, 31%	
	☐a ■c ☐b ☐d	ACT Scores *(Percent students, Rochester Community Schools - see School Report for Details)*	22.4	

* 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.

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

	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

For More Information Contact
Nina Misuraca Ignaczak, AICP
2100 N. Pontiac Lake Road, Waterford, MI 48328
(248) 858-2470

ROCHESTER
HILLS
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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.

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.

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

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

For More Information Contact
Nina Misuraca Ignaczak, AICP
2100 N. Pontiac Lake Road, Waterford, MI 48328
(248) 858-2470

COMMUNITY-LED ACTIONS

These community-led actions were identified by multiple stakeholders as actions that are outside the scope of local government and should be led by community and civic organizations. Some actions are already happening while others need to be started.

Infrastructure and Public Service

Buildings, Energy & Waste

Community Character

Economy & Education

Health and Well-being

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

ROCHESTER HILLS
MICHIGAN

Community and Civic Organizations

Organization	Website
Clinton River Watershed Council	www.crwc.org
Six Rivers Regional Land Conservancy	www.sixriversrlc.org
Friends of the Clinton River Trail	www.clintonrivertrail.org
Friends of the Paint Creek Trail	www.paintcreektrail.org/friends.htm
Rochester Avon Historical Society	www.rochesteravonhistoricalsociety.org
Crittenton Hospital	www.crittenton.com
Auburn Hills Chamber of Commerce	www.auburnhillschamber.com
DTE	www.dteenergy.com/
Consumer's Energy	www.consumersenergy.com
Rochester Regional Chamber of Commerce	www.rochesterregionalchamber.com
Community Foundation of Greater Rochester	www.racf.org
United States Green Building Council, Detroit Regional Chapter	www.usgbcdetroit.org
Oakland Community College Auburn Hills Campus	www.oaklandcc.edu/maps/AHCampus/
Oakland University	www.oaklandcc.edu
Rochester College	www.rc.edu
Rochester Community Schools	www.rochester.k12.mi.us
Avondale Schools	http://avondale.mi.schoolwebpages.com/education/district/district.php?sectionid=1
Pontiac School District	www.pontiac.k12.mi.us/
Dinosaur Hill	www.dinosaurhill.org/
Oakland University Business Incubator	www.oakland.edu/ouinc/
Rochester Area Recreation Authority	http://rararecreation.org/
Rochester Area Youth Assistance	www.raya-mi.org/
Rochester Neighborhood House	http://rochester.patch.com/listings/rochester-area-neighborhood-house
Rochester Rotary	www.rochesterrotaryclub.org/
Rochester Area Optimist's Club	www.rochesterareaoptimists.org/
Paint Creek Center for the Arts	www.pccart.org/
WHOO UR Upscale Resale	www.whoour.org/
God's Helping Hands	www.ghhmichigan.org/
Oakland County Moms	oaklandcountymoms.com/
Mothers & More	mothersandmore13.blogspot.com/
WARM Training Center	www.warmtraining.org/
Southeast Michigan Regional Energy Office	http://regionalenergyoffice.org/
Clean Energy Coalition	http://cec-mi.org/
North Oakland YMCA	http://ymcadetroit.org/north-oakland/
Boys & Girls Club - Matilda R. Wilson Club of Auburn Hills	www.bgcsm.org/ClubSites/WilsonClub.aspx