



## Eau Claire Renewable Energy Action Plan Strategy Priorities – Results from Workshop 2

<b>RESIDENTIAL BUILDINGS</b>	
<b>HIGH FEASIBILITY, LOW IMPACT “LOW HANGING FRUIT”</b>	<b>HIGH FEASIBILITY, HIGH IMPACT “JUST DO IT”</b>
<ul style="list-style-type: none"> <li>• Require solar-ready buildings</li> <li>• Solar group buys</li> <li>• Education strategies (incl. Low carbon diet residential teams, Energy loss Information targeted to older homes, Education campaign to turn off lights (esp at night))</li> <li>• Home Energy Score Ordinance</li> <li>• Demand response</li> <li>• Water efficiency</li> <li>• Preserve the urban tree canopy</li> </ul>	<ul style="list-style-type: none"> <li>• Utilities Renewable Subscription Programs (e.g. Windsource)</li> <li>• Geothermal HVAC</li> <li>• Community-owned renewables (including community solar)</li> <li>• Energy Efficiency Rebates and Financial Incentives (Energy efficiency incentive programs, Promote ENERGY STAR labeled purchases, Rebates on smart thermostats)</li> <li>• Simple Residential Energy Use Tracking</li> <li>• Energy Audits</li> <li>• LEED Certification for new or rehabilitated buildings</li> <li>• Incentivize energy efficient building codes</li> <li>• Net Zero Homes</li> </ul>
<b>LOW FEASIBILITY, LOW IMPACT “FORGET ABOUT IT”</b>	<b>LOW FEASIBILITY, HIGH IMPACT “MAJOR PROJECTS”</b>
NONE!	<ul style="list-style-type: none"> <li>• Residential solar thermal</li> <li>• Low-cost loans for renewable energy in residential buildings</li> <li>• Battery storage</li> <li>• Rental efficiency requirement</li> <li>• Weatherization and energy efficiency for low-income homes</li> <li>• Low-cost loans for energy efficiency and water conservation improvements in residential buildings</li> <li>• Finance programs for rental and low-income housing</li> <li>• Real time energy billing software</li> <li>• Strategic electrification</li> <li>• Air source heat pumps</li> </ul>

# COMMERCIAL & INDUSTRIAL BUILDINGS

## HIGH FEASIBILITY, LOW IMPACT “LOW HANGING FRUIT”

- Behind the meter solar at municipal buildings
- Energy Audits
- LED streetlights
- Rebates on smart thermostats
- Education campaign to turn off lights
- Preserve the urban tree canopy
- Promote ENERGY STAR labeled purchases
- ENERGY STAR Portfolio Manager Energy Tracking
- Eco-development: (Explore Energy District, Net-zero Buildings, Develop Eco-building design guidelines)
- LEED Certification for new or rehabilitated buildings
- Require Solar Ready Buildings

## HIGH FEASIBILITY, HIGH IMPACT “JUST DO IT”

- Utilities Renewable Subscription Programs (e.g. Windsource)
- Solar Thermal
- Behind the meter solar (including rooftop solar) at commercial and industrial businesses
- Low-cost loans for energy efficiency, renewable energy, and water conservation improvements in commercial buildings
- HVAC Commissioning
- Water efficiency
- Energy efficiency incentive programs
- Advanced HVAC energy efficiency controls

## LOW FEASIBILITY, LOW IMPACT “FORGET ABOUT IT”

- Solar powered streetlights
- Solar group buys
- Waste heat recovery
- Community-owned renewables
- Air Source Heat Pumps
- Building Energy Score Ordinance

## LOW FEASIBILITY, HIGH IMPACT “MAJOR PROJECTS”

- Battery storage
- Biomass (and biogas)
- Geothermal HVAC
- District heating and cooling
- Ground-source heat pumps
- Eco-industrial/Business Parks
- Real Time Energy Billing, Smart Grid
- Better Buildings Energy Challenge
- Incentivize energy efficiency building code



**PARTNERS IN ENERGY**  
An Xcel Energy Community Collaboration

## TRANSPORTATION & LAND USE

### HIGH FEASIBILITY, LOW IMPACT “LOW HANGING FRUIT”

- Alternative fuel vehicles/transport technology education
- More efficient municipal fleet
- Bike share
- Scooter Share
- Snow plow routing to reduce fuel miles
- Grant Support for innovative transit projects
- Reduce required parking
- Transit services
- Renewable fuel for City transportation

### HIGH FEASIBILITY, HIGH IMPACT “JUST DO IT”

- Anti-idling policies
- Electric/hydrogen Vehicles
- EV charging infrastructure
- Infill development
- Compact development
- Bike & ped projects
- Walkable neighborhoods
- Car Sharing Pilot

### LOW FEASIBILITY, LOW IMPACT “FORGET ABOUT IT”

- Light rail transit opportunities
- Passenger rail from Twin Cities
- Population that lives outside the city and travels in
- Winter access/use of alternative modes during winter

### LOW FEASIBILITY, HIGH IMPACT “MAJOR PROJECTS”

- Opportunities for improving transit times
- Bus rapid transit
- Micro Transit (on-demand public service)
- Transit oriented development
- Biofuel/biodiesel availability

## WASTE

### HIGH FEASIBILITY, LOW IMPACT “LOW HANGING FRUIT”

- Biogas (wastewater treatment plant, etc.)
- Land application of bio-solids (natural fertilizers)

### HIGH FEASIBILITY, HIGH IMPACT “JUST DO IT”

- Incentivize capture of compostables/ Solid waste diversion goal

### LOW FEASIBILITY, LOW IMPACT “FORGET ABOUT IT”

- Attract a zero-waste manufacturer
- Enhanced recycling
- 100% recycling
- Compostable and recyclable food packaging (Require restaurants?)
- Zero refrigeration leak goal
- Higher tipping fees for out-state waste

### LOW FEASIBILITY, HIGH IMPACT “MAJOR PROJECTS”

- Reduce waste on front-end
- Pay-as-you-throw (“go”) waste service
- Investigate municipal recycling processing center
- Waste to energy conversion
- Construction Materials Recycling
- Organized Municipal Collection (Bid on waste districts to help create efficient routes)



# BIODIVERSITY

## HIGH FEASIBILITY, LOW IMPACT “LOW HANGING FRUIT”

- Urban Forestation
- Retain & Enhance Natural Spaces
- Tree preservation ordinance/incentive for saving trees
- On-site filtration/ require stormwater capture
- Great use of grey water
- Use trails as linear green strips
- Add more greenspace during new development (Green space natural space in parks)

## HIGH FEASIBILITY, HIGH IMPACT “JUST DO IT”

- More trees/vegetation parks
- Expand/preserve a diverse urban tree canopy
- Alternative Lawns
- Reduce herbicides, pesticides, fertilizers
- Local regulations to protect/require more carbon sinks/buffers.
- Reduce sprawl - loss of biomass carbon sinks (forests, wetlands, cropland, grassland, wetlands)
- Support local food
- Support local producers & farmers less transport for food

## LOW FEASIBILITY, LOW IMPACT “FORGET ABOUT IT”

- Greater use of grey water

## LOW FEASIBILITY, HIGH IMPACT “MAJOR PROJECTS”

- “Farm the best, buffer the rest” - Incentivize farmers to convert marginal farmland to vegetation/ natural spaces, alternative ag, and renewable energy
- Biophilic Design
- Green Roofs