

# **TNS – The “Green Fourteen” Projects for 2009**

April 8, 2009

**1. Northeast Neighborhoods Development Plan** – Adopt a resolution that identifies four high-level sustainability goals to guide the development of the Northeast Neighborhoods plan. Adopt a plan that incorporates these goals to guide Phase 1 development. (Project Lead is Rick Roll. Project Mentor is Andrew Statz.)

**2. Zoning Code Rewrite** – Continuing efforts will include reviewing the draft zoning code text to ensure that it comprehensively integrates and addresses The Natural Step as the City’s adopted sustainability framework and integrates comments and ideas regarding improved sustainability received from the community sustainability subcommittee, as well as the general public. This project also will generate a supporting document to accompany the new zoning code, which is aimed at helping the public to view and understand the new zoning code through the lens of sustainability. (Project Lead is Rick Roll and Matt Tucker. Project Mentors are Nan Fey and Lisa MacKinnon.)

**3. Zero Waste** – A multi-year project that deals with waste reduction and increases recycling. In 2009, projects will include implementing a construction and demolition recycling ordinance, creating recycling plans for City agencies, and studying anaerobic digester of organics. In future years, activities may include on-site composting, Waste Watchers awareness campaign, special event recycling, and other activities. (Project Lead is George Dreckmann. Project Mentor is Jeanne Hoffman)

**4. Energy Efficiency Programs for Residents and Business** – A new project that will develop a number of programs for City residents and businesses to take advantage of federal stimulus funding for energy efficiency measures. In 2009, this project will develop programs for residents and businesses including a rebate and loan program. The City looks to partner with Focus on Energy and other stakeholders that work in the field of energy efficiency and conservation. In future years, these programs could include revolving loan programs, city projects, green job training, green incubator space, and conservation outreach and education. (Project Lead is Jeanne Hoffman. Project Mentor is Andrew Statz)

**5. South Madison Branch Library - Green Built** – Design and construct a new South Madison Branch Library to meet LEED-Silver Green Building rating. In 2009, this project consists of working with the A/E firm in developing plans for the interior space and also working with the developer of the building to coordinate LEED activities. The building will be LEED too. (Project Lead is Jeanine Zwart. Project Mentor is Jeanne Hoffman)

**6. MadiSUN** – A multi-year project that includes the City building photovoltaic and solar thermal systems throughout the city, providing assistance to residents and businesses interested in solar, implementing pro-solar zoning and building code practices, investigating structural issues related to solar, implementing a solar mapping/signage program throughout the City, and potentially developing new solar thermal technologies. In 2009, MadiSUN will continue to assist residents and businesses with installing solar, will develop training materials for contractors to better deal with structural issues, will develop a solar map/signage for citizens to view and will implement a number of solar systems throughout the City. (Project Lead is Kay Schindel. Project Mentor is Jeanne Hoffman)

**7. Energy Efficient Outdoor Lighting** – A new project which involves the Traffic Engineering Department to install a pilot solar-LED streetlight in Madison. This project will also include installing LED outdoor streetlights at E. Washington Ave. and Hwy 30 and outdoor LED lights at a number of Public Works facilities. (Project Leads are Kay Schindel and Dan Dettmann. Project Mentor is Jeanne Hoffman.)

**8. CO<sub>2</sub> Emission Inventory** – A new project to work with ICLEI and use their software to develop a baseline CO<sub>2</sub> emissions level for City operations and for the community as a whole. Engineering will be hiring an hourly to complete this inventory. (Project Lead will be hired soon. Project Mentor is Jeanne Hoffman.)

**9. Water Conservation/Sustainability Plan** – This plan proposes ways that the Water Utility and Madison residents can reduce per capita water consumption by 20% by 2020. Implementation of parts of the plan for 2009 include initiating a toilet replacement/rebate program to replace 2,500 units, assessing smart metering technology, and creating conservation plans for the 23 top industrial water users. (Project Lead is Tom Heikkinen. Project Mentor is Karl van Lith.)

**10. Green Team initiatives at Olbrich Gardens** – Olbrich Botanical Gardens created a Green Team in 2008 that will continue to implement a series of initiatives. For 2009, examples include energy benchmarking and monitoring, a new HVAC control panel, solar and lighting upgrades, increased use of renewables/compostables, migrating some publications to electronic-only format, public education on sustainable horticulture, and maintaining a free public garden. (Project Lead is Marty Petillo. Project Mentor is Karl van Lith.)

**11. Green Purchasing** – Identify and pursue sustainable options for the materials and supplies needed for City operations. Examples include:

- Green electronics and e-waste management;
- Green office environments;
- Maintenance, repair and operations supplies and materials; and
- Recycling policy refresher and awareness campaign for City workforce.

Each of these policies will be promulgated in Administrative Procedural Memos (APM's) and detailed specifications. (Project Lead is Monette McGuire. Project Mentor is Andrew Statz.)

**12. Green Fleet** – Continue to assess ways to reduce carbon emissions and fuel consumption of the City vehicle fleet. An APM to guide the purchase of fleet vehicles will be promulgated in early 2009. Other methods and products to enhance the sustainability of operations will also be identified and implemented. (Project Lead is Bill Vandenbrook. Project Mentor is Andrew Statz.)

**13. IT Initiatives** – Pursue energy savings through various policies, software packages and infrastructure upgrades. Specific projects for 2009 include:

- Peripheral shut down or energy savings program. Currently we have installed a number of energy saving processes on CPUs. IT and others will explore how we can reduce energy use on peripherals when not in use.
- Data Center energy consumption reduction plan.
- Implement the redesign of the HVAC system at both data centers to ensure the most efficient energy use.

(Project Lead is Rich Beadles. Project Mentor is Andrew Statz.)

**14. On-line work orders and routing for Building Inspectors** – Assess how the new Acella Electronic Land and Asset Management (ELAM) software will be used to help generate work orders and routing of building inspectors. The current manual system is labor intensive and produces frequent car trips and carbon emissions. (Project Lead is Roger Schrader. Project Mentor is Karl van Lith.)