

**YOU ARE
LOSING MONEY**
if you aren't building Green...

GENERATION GREEN

For buildings that are environmentally responsible that is economically feasible.

Generation Green Program

The City of Oakdale's goal is to conserve energy, protect natural resources, decrease air and water pollution, create new energy sources, reduce energy expenditures, and create new jobs for the residential, business, and government sectors.

"Generation Green" is a voluntary initiative program for the creation of Energy Efficient, Carbon Reducing buildings. Any new or major renovated building prospects will enjoy a 15% reduction in building permit fees immediately with the application approval from the Inspection department. Any LEED Certified buildings will receive 20%-25% off building permit fees depending on the certification.



Maximize Your Efforts

To get the best possible solutions when planning a High Performance building engage the architects and engineers on the optimization of the building and site in the pre-design stages. Involve the contractors in discussing recycling and re-use of materials, as well.

How to Participate in Generation Green

Generation Green has two simple stages to complete in order to be eligible for the Generation Green program.

Those buildings that have received LEED certification only need to submit a copy of their certification to be enrollment in Oakdale's Generation Green.

STAGE I – ENERGY AUDIT

Exceed the Minnesota Energy Code by 20%

Perform an Energy Design Assistance by Xcel Energy "ConservationWise" go online to: xcelenergy.com/businessnewconstruction.

STAGE II – HIGH PERFORMANCE STRATEGIES

Submit documented high performance strategies that will be implemented in the new construction, major renovations/ addition plans

New Construction Projects- must implement six (6) High Performance & Efficiency Strategies.

Major Expansion/Renovation Construction Projects -must implement five (5) High Performance & Efficiency Strategies.

HIGH PERFORMANCE STRATEGIES

The following list of High Performance Strategies are suggestions to achieve a Energy Efficient building. Choose 5-6 depending on your project.

CONSERVATION SYSTEMS

- :: Heat Recovery or VAV systems; supply air temperature reset.
- :: Indirect Evaporative Cooling system or Night venting protocols
- :: Roof monitor/lightwell and baffling assemblies
- :: Thermosiphon and/or Heating and/or cooling floor systems
- :: Passive solar power system using trombe walls.
- :: Rainwater Harvesting- Rain Gardens, Install rain barrel catchments, Pump water from pond or other approved water source for the lawn sprinkler system.
- :: Solar Energy: Photovoltaic (PV) and/or solar cells
- :: Wind Turbines
- :: Commercial Solar Agreement
- :: Geothermal Heat Pumps

SITE DESIGN/IMPROVEMENTS

- :: Install Roof monitors and clerestories and/or design eaves into

the building

- :: Installation of a "white roof" or "Green roof" on the building
- :: Use of clear double glazing or clear double glazing with argon, Skylighting.
- :: Use light-colored materials
- :: Shade for 30%+ of the site's non-roof impervious surfaces
- :: Install hooded parking lot light, which reflect the light down rather than up.
- :: Install alternative fuel refueling stations
- :: Provide preferred carpooling parking stalls
- :: Consider the use of earth berms to minimize heat loss and gain.
- :: Zoned irrigation & water sensors
- :: Plant conifer trees and shrubs to block or divert cold winter winds.
- :: Plant deciduous trees to shade south glass in summer and allow solar heat gain in winter.
- :: Native or drought resistant plants. Group plants according to their water needs.
- :: Install Bike Racks
- :: Install shower facilities

MATERIALS

- :: Certified: Salvaged and/or Engineered Wood used
- :: Ecology block, High Performance concrete
- :: 50% or more recycled materials in the acoustical ceiling tile, vinyl flooring, vinyl wall covering, porcelain tile, carpet and carpet pad
- :: Composite decking made from recycled materials

WATER CONSERVATION

- :: Grey Water Re-use Management.
- :: Photoelectric faucets in the restrooms. Install low flow showerheads & faucets
- :: High-Efficiency Toilets (HET) consider low-flow or dual-flush toilets and Zero Water Use Urinals. High-Efficiency Clothes Washers
- :: Water heaters: within 20' of pt of use, tankless water heater

ENERGY EFFICIENCY

- :: Use of High-efficacy lamps: Compact Fluorescent (27-40W), Halide, Sodium Lights, and Leds. LED Exit Lights.
- :: Electronic Ballasts and incorporate well-designed troffers.
- :: Automatic sensors with open loop controls and/or Infrared or ultrasonic motion detectors. Motion detectors switches for