

## The Joe Wark Environmental Award

**Purpose:** To provide incentive for General Contractors/Owners of single-family and small multi-family (four units or less) construction projects to participate in building construction and design practices that encourage the preservation of our environment, beyond existing regulatory requirements.

**Target:** General Contractors and/or Owners that intend to tear down an existing residential building, construct a single-family dwelling, construct a major addition to an existing single-family dwelling, or construct a small multi-family building.

**Overview of Program:** General Contractors and/or Owners, who desire to earn an Award, are required to achieve a minimum of three Environmental Actions as detailed in the program. Appropriate documentation, as detailed in the program, must be submitted for proof of compliance. Photographs are encouraged but not required. If more than three Actions are successfully incorporated into the submitted project, a Gold Award will be presented signifying that the General Contractor/Owner has exceeded expectations in preserving our environment. (Note: Participation does not remove the requirement that the work shall comply with all applicable local, state and federal codes, laws and ordinances.)

**Award:** A completed application and supporting documentation shall be submitted for review to the *Glen Ellyn Environmental Commission, 535 Duane Street, Glen Ellyn, IL, 60137*. Once the submission is found to be in order, the General Contractor and/or Owner will receive an Award that will acknowledge their efforts in building towards a sustainable and healthier environment. The Award will be presented at a Village Board Meeting, announced in the Village Newsletter and an announcement will be submitted to local newspapers. It is anticipated that Awards will be presented each spring for all projects, completed during the previous calendar year, that meet program requirements. The deadline for submission each year is December 31.

**Questions/Clarifications** should be submitted *in writing* to the Glen Ellyn Environmental Commission. Questions/clarifications will be discussed for response during the subsequent Environmental Commission Meeting. Meetings are typically scheduled for the third Tuesday of each month.

**Joe E. Wark** served the Village of Glen Ellyn as a Commissioner in the late 1980's, as a Trustee from 1990 to 1995 and as Village President from 1997 to 2001. He continues to be an ambassador for the Village of Glen Ellyn, particularly with activities that effect our environment, through his efforts as 'Glen Ellyn in Bloom' Chairman, member of the DuPage County Stormwater Committee, member of the Conservation Foundation Advisory Board, and an active participant in many beautification and environmental improvement efforts throughout the year.

## ENVIRONMENTAL ACTIONS

Select a minimum of three of the follow Actions. All construction projects that include demolition in the scope of work are required to achieve Action 1.

### ACTION NO.

1. **Hazardous Material Testing** (for projects consisting of either complete or partial demolition): Test existing interior and exterior of building prior to demolition for existence of hazardous materials including but not limited to asbestos, mercury, lead, CFC. Remove and dispose of present hazardous materials in accordance with
  - NESHAP regulations for *asbestos*,
  - DuPage County Health Department for removal and disposal procedures for wastes containing *lead*,
  - OSHA for *mercury* legal airborne permissible exposure limit (PEL) such as Fluorescent bulbs, broken mercury switches, batteries or thermostats,
  - Section 608 of the Clean Air Act for recovery and safe disposal or re of *CFC and HCFC*- based refrigerants in HVAC systems.

**Importance:** Demolition can cause hazardous materials to be released into the air and/or ground and can effect the health of Glen Ellyn residents.

**Submission Requirements:** Document signed by a licensed Environmental Engineer reporting the hazardous materials present and the removal and disposal (or recovery for CFCs) procedures used. Included also in the report shall be the date of inspection and the date of removal.
  
2. **Protection of Trees:** Save trees on private property by (a) designing building around existing significant trees, or (b) hiring a Certified Arborist to assist in planning for the protection of existing trees and monitoring tree preservation through construction completion.

**Importance:** Trees contribute to cleaning the air we breathe by removing carbon dioxide and airborne pollutants, provide shade to reduce cooling costs in warm weather and provide habitat for wildlife.

**Submission Requirements:** Initial site plan locating trees 3” dbh and above prior to design of building or addition and site plans locating building after construction including all trees shown on initial site plans, or (b) document signed by arborist indicating health of all trees prior to and after construction and any special provisions made, beyond Village requirements, to protect trees.
  
3. **Construction Debris Recycling:** Develop plan to separate, at a minimum, all wood product and cardboard packaging waste for recycling collection.

**Importance:** To reduce amount of debris sent to landfill and redirect recyclable materials back to the manufacturing process. Wood construction waste contributes 61% and cardboard packaging contributes to 11% of construction waste sent to landfills.

**Submission Requirements:** Document outlining procedures for recycling (such as site location for depositing recyclable materials for collection, protection of recyclable materials, how often materials will be picked up, additional materials to be recycled) read and signed by the General Contractor and/or Owner and persons from each trade working on the project; and document from the waste hauler indicating quantity ( by either volume or weight) of recyclable materials diverted from the landfill. Some of the waste haulers currently serving Glen Ellyn and accepting both wood and cardboard are Molenhouse Enterprises (630.790.9900), BFI (708.345.7050), K. Hoving Recycling & Disposal (630.377.7000).
  
4. **Water Use:** Install system to capture rain for the purpose of irrigating plants and grass.

**Importance:** To reduce potable water consumption. More potable water is being consumed from lakes and streams than is being replenished. This has also resulted in the extinction of 20% of freshwater species. More than 50% of potable/municipal water used is consumed for garden and lawn watering purposes.

**Submission requirements:** Plan, photo or Manufacturer's product information of system installed.

5. **Energy Efficient Lighting:** Install lighting fixtures and/or controls that reduce energy requirements, such as exterior lighting with solar and/or motion detection, exterior lighting that reduces light pollution, interior lighting with motion detection/occupancy sensors, lighting fixtures that accommodate compact fluorescent lamps or other energy efficient lamp types.

**Importance:** To reduce the consumption of energy from lights being left on in unoccupied rooms and from inefficient light bulbs.

**Submission Requirements:** Manufacturer's product information and statement of locations of controls and fixtures and purchase order/invoice.

6. **Renewable Energy:** Install system(s) that utilize renewable energy sources, such as solar heating, photovoltaic, or geothermal energy.

**Importance:** To reduce energy consumption and reduce environmental impacts associated with fossil fuel energy use.

**Submission Requirements:** Manufacturer's product information of system components and/or construction documents of system used and/or a statement detailing the system installed.

7. **Recycled or Reused Materials:** Install products or materials that are refurbished, salvaged or contain recycled components. Examples include landscape stepping stones, structural steel, brick, and insulation.

**Importance:** To reduce the impact on the environment resulting from extraction and processing of new materials.

**Submission Requirements:** Manufacturer's product information, purchase order/invoice and statement indicating location of installation.

8. **Rapidly Renewable Materials:** Install finishes and/or cabinetry with rapidly renewable material content. Materials include, but are not limited to, flooring made with bamboo, flooring or wallboard made with cork, flooring or desktop finish made with linoleum, paneling or cabinetry made with wheat and straw boards.

**Importance:** To reduce the use of raw materials that have long growing cycles such as wood that requires decades to grow. Rapidly Renewable Materials take less than ten years to replenish.

**Submission Requirements:** Manufacturer's product information, purchase order/invoice and statement of location of installation.

9. **Extraordinary Action:** Contractor and/or Owner may implement an Action that is not outlined above but contributes to the sustainability of our environment. Actions may include systems or products or innovations that will reduce the use of energy and/or natural resources. Examples include water conservation and/or care for our existing green space and/or care for the health of our Glen Ellyn community. Examples of an Extraordinary Action may also include multiple buildings completed within one year or installation/upgrade of an air conditioning system that has a higher than code-required efficiency (SEER rating) or that uses a new generation refrigerant, such as Puron.

**Importance:** To support the sustainability of our environment.

**Submission Requirements:** Narrative of Extraordinary Action. Manufacturer's product information and/or photographs may also be submitted.

## Definitions

**Certified Arborist:** A person who has achieved a level of knowledge, pertaining to the art and science of trees, through at least three years of experience and passed an comprehensive examination developed by leading national experts in the planning, care for and maintaining individual trees. Arborists are required to continue education in order to maintain certification.

**CFC:** Chlorofluorocarbons, an ozone depleting chemical, used as a refrigerant and banned by the EPA since 1996

**DBH:** Diameter Base Height at one foot above the ground

**EPA:** Environmental Protection Agency

**Geothermal Energy:** The moving of heat energy to and from the earth to heat and cool your home.

**HCFC:** Hydrochlorofluorocarbons, an ozone depleting chemical. The EPA has outlined a gradual phase-out schedule for different forms of the chemical, that began in 2001 and will be completely banned by 2030.

**Light Pollution:** Light intruding where it shouldn't be; it is composed of three elements - skyglow (light carelessly projected from the ground or structure reducing visibility of astronomical object), light trespass (troublesome light entering an area outside the boundary of the premises to be illuminated) and glare (over-bright, pinpoint light source that causes discomfort to the eye). Light pollution also effects nocturnal animals. Visit [www.DarkSky.org](http://www.DarkSky.org) and [www.sylldavia.net](http://www.sylldavia.net) for more information.

**Major addition;** A change to the structure that increases the square footing of the existing building by at least 25%.

**NESHAP:** National Emissions Standard for Hazardous Air Pollutants, regulations by the Federal Environmental Protection Agency

**OSHA:** Occupational Safety and Heath Administration

**Photovoltaic:** Physical process of converting sunlight into electricity

**Recycled Material:** A product that contains a minimum of 50% recycled content.

**Renewable Energy:** Energy that is constantly replenished and will never run out. Visit [www.nrel.gov](http://www.nrel.gov) for more information.

**Significant tree:** Deciduous or coniferous tree with a minimum height of ten feet or a DBH of 6" or greater and is in healthy condition. Health of tree shall be determined by Village Forester or Certified Arborist.

The Joe Wark Environmental Award  
Application\*

General Contractor/Owner: \_\_\_\_\_

Project Location: \_\_\_\_\_

Project Completion Date: \_\_\_\_\_

Number of Project Dwelling Units (check one):     1                     2                     3                     4

Project Includes (Check all that apply):

Demolition                     New Construction                     Addition to Existing Structure

**Application and supporting documentation must be submitted for consideration by December 31 to the  
Glen Ellyn Environmental Commission, 535 Duane Street, Glen Ellyn, IL, 60137.**

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The following documentation is submitted in consideration of Glen Ellyn's Excellence in Environmental  
Preservation Merit Award:

**Action No.** \_\_\_\_\_ **Documentation Submitted:** \_\_\_\_\_

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**Action No.** \_\_\_\_\_ **Documentation Submitted:** \_\_\_\_\_

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**Contractors/Owner completing more than three Actions will receive Gold status.**

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