

Resolution 2007-R-20

Purchasing Policy Requiring the Use of Energy Star-Approved Exterior Lighting for Municipal Buildings and Public Grounds

A RESOLUTION of FUTURE COMMITMENT For the VILLAGE OF PALOS PARK, ILLINOIS

WHEREAS, It is now established that for the same amount of light (lumens) as a 100-watt standard incandescent bulb produces, Energy Star-approved Compact Fluorescent Lamps (hereto in referred to as CFLs) consume approximately 23 watts per hour, saving about 770 watts of electricity per day if the light is used continuously over a 10 hour period per day; and

WHEREAS, the resultant energy savings in the aforementioned CFL description is approximately \$42 per year for one 100-watt incandescent bulb replacement, if the electric rate is 0.15 per kW; and

WHEREAS, Energy Star-approved CFLs, (costing anywhere from \$5-14), will save money with a payback time interval of only 2-3 months per bulb's cost outlay, use just a fraction of the electricity to run and last at least 8,000 hours, or approximately 10 times longer then incandescent bulbs with technology always improving; and

WHEREAS, In the aforesaid single 23-watt CFL representation, if the electricity is produced from a coal, natural gas or oil-fired electric power plants, the energy savings results in a reduction in carbon dioxide (CO₂) emissions of approximately 280 kilograms (kg) or about 615 pounds per year, and thus, a diminution in the release of smog-forming emissions as the outcome; and

WHEREAS, Lower energy usage reduces the burning of fossil fuels—natural gas, coal, and oil—used to power industrial processes, which, in turn, reduces the levels of detrimental air emissions from particulates such as nitrogen dioxide (NO₂), carbon dioxide (CO₂) and sulfur dioxide (SO₂) into the environment, resulting in improved air quality and beneficial effects on the health and well-being of local community residents, the residents of the Chicago metropolitan region and the entire Northeastern Illinois populace; and

WHEREAS, the benefit to the environment in emission-reductions (carbon dioxide, nitrogen oxide and sulfur dioxide) is substantial when CFLs are used at multiple points in high-use locations; and

WHEREAS, Energy Star-approved exterior fluorescent lighting (Compact Fluorescent Lamps and light fixtures) preserves energy resources, advances a cleaner environment through emissions reductions, decreases electric bills, requires at least 2/3 less energy (in

watts) than standard lighting and lasts up to 10 times longer while producing a more natural, aesthetically-pleasing bright light; and

WHEREAS, Local and regional partnerships that unite government, businesses, and residents, in a voluntary effort to reduce harmful smog-forming emissions, can effectively, and efficaciously, enhance regional air quality; and

WHEREAS, Clean Air Counts (CAC) is a voluntary, collaborative initiative to achieve voluntary reductions in ozone-causing (smog) emissions in the six county Chicago metropolitan region; and

WHEREAS, The Village of Palos Park has committed to participate in the CAC program by RESOLUTION 2007-R-05 on February 12, 2007, adopting strategies required to enrich air quality in our community, the Southland area and the Northeastern Illinois region; and

WHEREAS, Our collaborative effort, work and affiliation with CAC will lessen the need for more stringent environmental protection requirements related to air quality and ozone levels;

Now, therefore,

BE IT RESOLVED THAT THE VILLAGE

OF PALOS PARK, ILLINOIS, for the purpose of energy conservation, air quality advancement and cost-efficiency, commits (if cost-practical when exterior municipal lighting assets have reached salvage value in useful life years by depreciation or if lighting fails from age, wear or mechanical defect) to the future and potential replacement of "standard" incandescent lighting with energy-efficient, Energy Star-approved fluorescent lighting, and to the replacement or retrofit of exterior incandescent light fixtures on all outer building surfaces and outdoor public grounds fixtures, stand-alone or otherwise, with Energy Star-approved fluorescent lighting. Outdoor building lighting herein to refers to permanently attached exterior wall and ceiling fixtures and public grounds standing-apart exterior lamp post fixtures and outdoor fixtures and appurtenances in partial outdoor enclosures. Prospective Energy Star-approved exterior lighting applications shall apply to all municipal building exteriors and public grounds, including the Kaptur Administrative Center, Recreation Center and Parks, Public Works Garage and Water Tower, together with all building and public grounds future additions within the corporate boundaries of the Village of Palos Park, Illinois municipality. Furthermore, Energy Star-approved lighting provisions, as outlined in this resolution, shall also include the exteriors of buildings the Village is required to maintain, such as current Metra Station, and future Village-maintained building exteriors. In all circumstances of replacement or retrofit with Energy Star lighting and fixtures however, the *payback* period calculation (capital and labor costs divided by the monthly savings in dollars) per replacement or retrofit installation job will be less than 48 months.

Department Managers or their designees shall be responsible for the procurement and installation of all/any Energy Star qualified fluorescent lighting products from responsible vendors, merchants and/or dealers in the outdoor lighting categories described hereto. Moreover, Department Managers will ensure that all independent contractors hired by the Village will comply fully concerning the purchase and installation of Energy Star approved outdoor fluorescent lighting products and guidelines as outlined above.

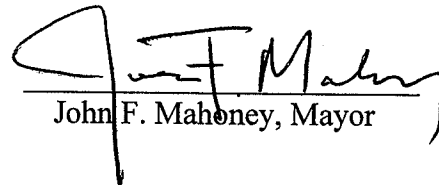
Adopted this 12th day of November, 2007, pursuant to a roll call vote as follows:

Ayes: -4- Commissioners Pavlatos, Milovich-Walters, Polk, and Mayor Mahoney

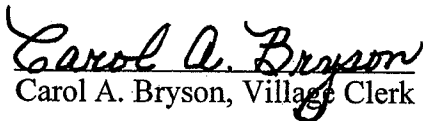
Nays: -0-

Absent: -1- Commissioner O'Connor

Approved by me this 14th day of November, 2007


John F. Mahoney, Mayor

Attest:


Carol A. Bryson, Village Clerk