



Vegawatt System LEED points

The United States Green Building Council's program for The Leadership in Energy and Environmental Design (LEED) is a certification system for new and existing buildings that "encourages and accelerates global adoption of sustainable green building and development practices through the creation and implementation of universally understood and accepted tools and performance criteria."

The LEED system awards points based on energy efficiency, waste reduction, sustainable site development and indoor air quality. The LEED rating system is based on points, the more points granted receive a tiered award level. LEED point levels for existing buildings are: **Certified**: 40-49 points, **Silver**: 50-59 points, **Gold**: 60-79 points and **Platinum**: 80 and above points.

A Vegawatt system is intrinsically a waste reduction power generation technology. A Vegawatt installation in many instances is capable of pushing a LEED Certified building to almost a Gold certification. A Vegawatt system is awarded points under the following categories:

Energy & Atmosphere Credit 4: Renewable Energy

Up to 4 points are awarded for onsite energy generation. One point is awarded for every 3% of electricity generation that takes place onsite, up to 12% for the maximum point value. The total number of points available under this category depends on the overall electrical consumption of the facility and the amount of waste oil available for use in power generation.

Energy & Atmosphere Credit 6: Emissions Reduction Reporting

LEED awards one point for tracking energy efficiency that reduces emissions from power production. A standard aspect of a Vegawatt installation is the tracking of energy production for REC accounting. This aspect, along with the known reduction in emissions from energy production that Vegawatt produces, satisfies the requirements of this task.

Materials & Resource Credit 7: Solid Waste Management – Ongoing Consumables

Up to 2 points are awarded for reducing the weight or volume of consumable products that are disposed of on a continual basis. 1 point is awarded for a reduction of 50%, 2 points are awarded for a reduction beyond 70%. By removing 80 to 170 lbs of waste oil per week, we significantly reduce the weight of waste that needs to be removed from a foodservice location.

Innovation in Operations Points

There is no specific LEED category to address the added efficiencies realized from a Combined Heat and Power (CHP) generation strategy. Traditionally, several of the "innovation in operations" points have been awarded to facilities utilizing waste energy to heat potable water, as the CHP aspect of a Vegawatt system provides. A total of 4 points are available in the Innovations in Operations category.



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