

## **GREEN BUILDING PROGRAMS, GRANTS & INCENTIVES**

### **LEED (Leadership in Energy & Environmental Design)**

Type of Program:	Green Building Rating System <a href="http://www.usgbc.org/DisplayPage.aspx?CategoryID=19">http://www.usgbc.org/DisplayPage.aspx?CategoryID=19</a>
Sponsors:	USGBC (US Green Building Council)
How much grant is available:	No grant is provided. The certified building receives a plaque denoting the level of certification achieved. The various levels of certification are: <ul style="list-style-type: none"><li>• Certified 26-32 points</li><li>• Silver 33-38 points</li><li>• Gold 39-51 points</li><li>• Platinum 52-69 points</li></ul>
Requirements:	Some of the pre-requisites require are: <ul style="list-style-type: none"><li>• Energy Simulations/ Analysis done by Energy Consultants</li><li>• Commissioning, involves hiring a third party Commissioning agent</li><li>• Erosion &amp; Sediment Control</li></ul>
Other Requirements/ Credits:	Credits are awarded for implementing green strategies such as (not limited to): <ul style="list-style-type: none"><li>• On-site Energy generation by PV panels, fuel cells etc.</li><li>• Provision for alternate transportation, such as bike racks</li><li>• Using Recycled, rapidly renewable and/or regional materials</li><li>• Performing waste management &amp; indoor air quality management during construction</li><li>• Using low-emitting materials and wood from sustainable forests</li><li>• Purchasing Green Power for the building during operation</li><li>• Greening the site &amp; using strategies like Green Roofs for storm-water management</li></ul>

**New York Energy Smart<sup>SM</sup> Multifamily Program**

- Using energy efficient HVAC, lighting and envelope systems

Type of Program:

Green Building Grant & Energy Star Label

Sponsors:

NYSERDA (New York State Energy Research and Development Authority)  
<http://www.getenergysmart.org/>

How much grant is available:

Specific information on incentives not yet available to us. Minimum Energy target to earn the Energy star Label is 20%. Grant is divided in 3 payments. Below numbers are for affordable housing.

Payment 1: Design award: 30,000\$

Payment 2: 1.5\$/ghsf (gross heated square footage)

Payment 3: For achieving more than 20% energy reduction

- 20-22%: 0.25\$/ghsf
- 23-25%: 0.35\$/ghsf
- 26% and up: 0.5\$/ghsf

Requirements:

Hire a Modeling Partner (NYSERDA approved Energy Consultants)  
Achieve 20% or more improvement over ASRAE 90.1 Energy Efficiency Standard

Energy Conservation Measures:

To achieve 20% target or more following measures will be used:

- On-site Energy generation by PV panels, fuel cells etc.
- Using energy efficient HVAC system
- Using energy efficient lighting and appliances
- Specifying lighting controls (motion sensors) in common areas
- Using Energy Star Appliances, exhaust fans etc.

Other incentives available:

In addition to the incentives & energy star label provided for complying with this program, following incentives may also be available:

- Photovoltaic (PV) or Solar Electric System Incentive: **New York Energy Smart<sup>SM</sup>** initiative currently has several programs that, when combined with the PV cash incentives, could help offset the total installation costs of a PV system by 40-70%. There is a cap of 10KW for residential buildings.

## **GBI (Green Building Initiative)**

- Type of Program: New York State Green Building Tax Credit (Only for tax paying developments)  
<http://www.dec.ny.gov/energy/218.html>
- Sponsors: NYS Department of Environmental Conservation (DEC)
- How much grant is available: New legislation passed in 2005 appointed a total of \$25 million to be spent as green building tax credits. This is not a grant, and the owner/developer has to be a NYS taxpayer to receive the tax credit. There is a \$ 2 million cap per building (Ranges from 5\$/sf to 15.75\$/sf of allowable costs). The building will start receiving the credit once building is built and 50% occupied. This credit is spread over five years, so every year owner can receive 1/5<sup>th</sup> of the credit. At this time applications can be received till 2009 for Period-2 and owners can start receiving tax credits between 2006-2014
- Requirements: Some of the mandatory requirements are (not limited to):
- Energy Modeling/Simulations: Exceed State Energy Code by 35%. Energy modeling required by simulation software DOE2.1 or similar.
  - Advanced Commissioning: Involves hiring a third party Commissioning agent
  - Fuel Cell or Photovoltaic panels
- Other Requirements: Other mandatory or optional green strategies to be implemented are (not limited to):
- Indoor Air Quality Testing post construction.
  - IAQ Management Plan during Construction
  - Water Conservation
  - Materials (25-50% Recycled Content; 1% Rapidly Renewable; low VOC; Construction waste Management- 50% & other alternate options are available.
  - Record Keeping & reporting

## **Green Communities**

Type of Program:	Green Building Grant <a href="http://www.greencommunitiesonline.org/">http://www.greencommunitiesonline.org/</a>
Sponsors:	Enterprise Foundation
How much grant is available:	Does not exceed 1000 times the number of units in the building and maximum of 50,000\$ is granted. Additional design award may be available.
Requirements:	Some of the mandatory requirements are (not limited to): <ul style="list-style-type: none"><li>• Exceed State Energy Code by 30%. Energy simulation is not required but compliance with the HERS rating system is required.</li></ul>
Other Requirements:	Other mandatory or optional green strategies to be implemented are (not limited to): <ul style="list-style-type: none"><li>• Alternate Energy Generation</li><li>• Smart Site Location</li><li>• Erosion and Sediment Control</li><li>• Water Conserving Fixtures</li><li>• Efficient Irrigation</li><li>• Energy Star appliances</li><li>• Efficient Lighting</li><li>• Electricity meter</li><li>• Low VOC materials etc.</li><li>• Owner's Manual</li></ul>