

Applicant \_\_\_\_\_  
 Project Address \_\_\_\_\_  
 Single Family: \_\_\_\_\_ Sq. Ft. Area     New     Remodel     Addition  
 Multifamily: \_\_\_\_\_ Sq. Ft. Area    \_\_\_\_\_ Units  
 Commercial: \_\_\_\_\_ Sq. Ft. Area    \_\_\_\_\_ Units  
 Max Points 50                      L.E.E.D Silver – Automatic 60 points

For Office Use Only	
Permit #	_____
Floor Sq. Ft.	_____
Single Family	_____
Multifamily	_____
Commercial	_____
Points Received	_____
Reviewer	_____

## Green Points Worksheet

### 1    CONSTRUCTION • DEMOLITION • USE OF RECYCLED MATERIALS

- 1.1 *Deconstruction Plan Submitted with Permit Application (Additions & Remodels)*  
 1 Point ..... \_\_\_\_\_
- 1.2 *Deconstructed Materials Donated to a Reseller*  
 1 Point ..... \_\_\_\_\_
- 1.3 *Use of Reclaimed Lumber (New Construction)*  
 5 Points..... \_\_\_\_\_
- 1.4 *Construction Debris Recycled (75% + or Complete Demolition)*  
 3 Points..... \_\_\_\_\_
- 1.5 *Recycled Content Carpeting*  
 2 Points..... \_\_\_\_\_
- 1.6 *Recycled Plastic in Deck Material*  
 2 Points..... \_\_\_\_\_
- 1.7 *Recycled Content Sheathing*  
 1 Points..... \_\_\_\_\_
- 1.8 *Recycled Content or Fiber Cement Siding*  
 3 Points..... \_\_\_\_\_
- 1.9 *Recycled Content Roofing*  
 3 Points..... \_\_\_\_\_

### 2    COMPACT LAND USE • WATER CONSERVATION

- 2.1 *Compact Building Footprint (New Construction)*
  - 2.1.1 *Lot coverage 10% less than zoning maximum*  
 3 Points..... \_\_\_\_\_
  - 2.1.2 *Lot coverage 5% less than zoning maximum*  
 2 Points..... \_\_\_\_\_
- 2.2 *Landscaping (New Construction)*
  - 2.2.1 *Reduction of turf areas and lawns kept to a minimum*  
 3 Points..... \_\_\_\_\_
  - 2.2.2 *Appropriate use of low water demanding plants (New Construction)*  
 2 Points..... \_\_\_\_\_
  - 2.2.3 *Zoned irrigation system separating turf from shrub areas and low water demand areas from high water demand areas that includes drip irrigation zones.(New Construction)*  
 3 Points..... \_\_\_\_\_
- 2.3 *Water Conservation by Performance Procedure (1-6 Points)*
  - 1 Point: 10,000 gallons of annual water saving..... \_\_\_\_\_
  - 2 Points: 20,000 gallons of annual water saving..... \_\_\_\_\_
  - 3 Points: 30,000 gallons of annual water saving..... \_\_\_\_\_
  - 4 Points: 40,000 gallons of annual water saving..... \_\_\_\_\_

Total points for page: \_\_\_\_\_

- 5 Points: 50,000 gallons of annual water saving..... \_\_\_\_\_
- 6 Points: 60,000 gallons of annual water saving..... \_\_\_\_\_
- 2.4 *Use of Engineered Swales to Filter Storm Water Runoff*
  - 3 Points..... \_\_\_\_\_
- 2.5 *Planting Two Trees Beyond Required Street Trees (up to 6 points) (New Construction/Land Development)*  
 1 point for each additional tree planted (up to 6 trees)  
 Calculate: total number of trees \_\_\_\_\_ = total points \_\_\_\_\_  
 \_\_\_\_\_ Points..... \_\_\_\_\_

**3 FRAMING**

- 3.1 *Incorporate Optimal Value Engineering (OVE) Framing Techniques*
  - 2 Points..... \_\_\_\_\_
- 3.2 *Oriented Strand Board (OSB) Subfloors*
  - 1 Point ..... \_\_\_\_\_
- 3.3 *Oriented Strand Board (OSB) Wall Sheathing*
  - 1 Point ..... \_\_\_\_\_
- 3.4 *Finger-Jointed Studs Used for Wall Framing*
  - 2 Points..... \_\_\_\_\_
- 3.5 *Forest Stewardship Council (FSC) Certified Harvested Lumber Used for Framing*
  - 5 Points..... \_\_\_\_\_
- 3.6 *Engineered Lumber Used (Floors)*
  - 1 Point ..... \_\_\_\_\_
- 3.7 *Engineered Lumber Used to Replace 2x10s or 2x12s for Structural Applications*
  - 1 Point ..... \_\_\_\_\_
- 3.8 *Structural Alternatives to Wood*
  - 5 Points..... \_\_\_\_\_
- 3.9 *Structural Insulated Panels Used for Exterior Walls*
  - 4 Points..... \_\_\_\_\_

**4 ENERGY CODE MEASURES**

The Pennsylvania Uniform Construction Code requires certain minimum measures of energy conservation for new buildings, additions, and remodels. These can be calculated using prescriptive methods for each assembly or item, or performance standards for the overall structure, or a combination. This subsection specifies how points are to be awarded under this section for incremental increase in energy efficiency above the required minimum in each of the categories specified in the table. The applicant shall complete a form to calculate the points awarded for such incremental increases.

Insulated Assembly	Points	Provided
Glass R / U Value (As determined by the National Fenestration Rating Council)		
2 / 0.5	0	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2.2 / .45	1	
2.5 / 0.4	2	
2.8 / 0.35	3	
3.3 / 0.3	4	
U-0.25 or less	5	
Wall Insulation		
R-19	1	

R-24	2		
R-25 or greater	4		
Ceiling Insulation			
R-30	0		
R-34	1		
R-38	2		
R-42	3		
R-43 or greater	5		
Floor Insulation			
R-19	1		
R-24	2		
R-25 or greater	3		
Basement Insulation			
R-10	0		
R-13	1		
R-19	2		
R-24	3		
R-25 or greater	4		
Slab Insulation			
R-5	0		
R-7	1		
R-10	2		
R-15	0		
Crawl Space Insulation			
R-15	0		
R-19	1		
R-24	2		
Heating Equipment			
Furnaces and Boilers			
78% AFUE	0		
84% AFUE	1		
90% AFUE	2		
94% AFUE	3		
Air Conditioning			
11 SEER	0		
12 SEER	1		
13 SEER	2		
14 SEER	3		
15 SEER or greater	4		
Total Insulation Points =			

**5 PLUMBING**

- 5.1 *Tankless Domestic Hot Water Heaters*  
 1 Point .....
- 5.2 *“On Demand” Hot Water Switch*  
 1 Point .....

**6 ELECTRICAL**

- 6.1 *Efficient Appliances*
  - 6.1.1 *Energy Saving Dishwasher Installed (Provide Manufacturers Spec. Sheet)*  
 1 Point .....
  - 6.1.2 *Energy Saving Clothes Washer Installed (Provide Manufacturers Spec. Sheet)*  
 1 Point .....
  - 6.1.3 *Energy Saving Refrigerator Installed (Provide Manufacturers Spec. Sheet)*  
 1 Point .....
  - 6.1.4 *Energy Saving Freezer Installed (Provide Manufacturers Spec. Sheet)*  
 1 Point .....
- 6.2 *Clothesline Installed*  
 1 Point .....
- 6.3 *Compact Fluorescent Bulbs or LED Installed (1-3 points) (Show on Lighting Plan)*  
 1 Point: 4 CFL/LED bulbs.....  
 2 Points: 8 CFL/LED bulbs./.....  
 3 Points: 12 CFL/LED bulbs.....
- 6.4 *Install Energy Efficient Lighting Controls (Provide Documentation)*  
 2 Points.....

**7 INSULATION**

- 7.1 *Wall Insulation is 80% Recycled Material and/or Wet-Spray Insulation*  
 2 Points.....
- 7.2 *Ceiling Insulation is 80% Recycled Material and/or Wet-Spray Insulation*  
 2 Points.....
- Widows (only one category can be used: 7.3, 7.4, or 7.5)
- 7.3 *Single-pane Windows Changed out for Double-pane (up to maximum 10 points)*  
 0.5 points per window for additions and remodels  
 Calculate: total number of windows \_\_\_\_\_ x 0.25 = total points \_\_\_\_\_  
 \_\_\_\_\_ Points.....
- 7.4 *Single-pane Windows Changed out for Low Emissivity Window (up to maximum 10 points)*  
 .5 point per window for additions and remodels  
 Calculate: total number of windows \_\_\_\_\_ = total points \_\_\_\_\_  
 \_\_\_\_\_ Points.....
- 7.5 *Single-pane Windows Changed out with argon/HM Windows (up to maximum 10 points)*  
 .75 points per window for additions and remodels  
 Calculate: total number of windows \_\_\_\_\_ x 1.5 = total points \_\_\_\_\_  
 \_\_\_\_\_ Points.....
- 7.6 *Existing Ceiling Insulated to R-38 (or to capacity for fixed space – not to be combined with Section 4)*  
 2 points for additions and remodels  
 2 Points.....
- 7.7 *Existing Walls Insulated to Capacity –(cannot be combined with Section 4)*  
 3 points for additions and remodels  
 3 Points.....
- 7.8 *Install Recycled-Content, Formaldehyde-Free Fiberglass Insulation*

2 Points.....

**8 HEATING & COOLING**

- 8.1 *Air Destratification Systems*
  - 1 Point .....
- 8.2 *Natural Cooling (Provide Design Schematics)*
  - 2 Points.....
- 8.3 *Evaporative Cooling Installed*
  - 6 Points.....
- 8.4 *Vapor Permeable Infiltration Barrier (TYVEC / TYPAR)*
  - 1 Point .....
- 8.5 *Whole House Fan*
  - 2 Points.....
- 8.6 *Convert Electric Heat to Gas Heat*  
5 points for additions and remodels
  - 5 Points.....
- 8.7 *Replace Electric Water Heater with Gas Water Heater*  
3 points for additions and remodels
  - 3 Points.....
- 8.8 *Hydronic Baseboard Heat*
  - 3 Points.....
- 8.9 *Radiant Floor Heat*
  - 3 Points.....
- 8.10 *Geothermal Heat or Air to Air Heat Exchanger (Heat Recovery Ventilation)*
  - 8 Points.....

**9 SOLAR**

- 9.1 *Passive Solar Potential Preservation and Solar Space Heating*
  - 9.1.1 *5 Points for the Following Items:*
    - (i) *A wall surface is provided equal to 10% of the unit's floor area or 150 square feet—whichever is greater*
    - (ii) *Which is located on the more southerly side of the unit*
    - (iii) *Which is oriented within thirty degrees of a true east-west direction*
    - (iv) *Which is immediately adjacent to a heated space*
    - (v) *Which is not shaded between 10:00am and 2:00pm on the winter solstice; and is totally shaded between 10:00am and 2:00pm on the summer solstice*
    - (vi) *Which has unimpeded solar access*  
(The Building Official shall be authorized to make determinations as to compliance with the above criteria)
    - 5 Points.....
  - 9.1.2 *Glazing of the south wall surface adequate to provide at least 20% Passive Solar Heating*
    - 6 Points.....
  - 9.1.3 *Glazing of the south wall surface adequate to provide at least 40% Passive Solar Heating, but only if designed in conjunction with an appropriately sized thermal mass so as not to affect adversely cooling loads*
    - 12 Points.....
  - 9.1.4 *Glazing of the south wall surface adequate to provide at least a 60% Passive Solar Heating, but only if designed in conjunction with an appropriately sized thermal mass so as not to affect adversely cooling loads*
    - 20 Points.....
- 9.2 *Solar Hot Water Heating*
  - 10 Points.....
- 9.3 *Active Solar Space Heating with a calculated savings fraction of*

- 8 Points: 30%..... \_\_\_\_\_
- 12 Points: 40%..... \_\_\_\_\_
- 16 Points: 50%..... \_\_\_\_\_
- 20 Points: 60%..... \_\_\_\_\_
- 9.4 *Active Solar Pre-Plumbing*
  - 2 Points..... \_\_\_\_\_
- 9.5 *Solar Generated Electricity with a Savings Fraction of at Least 25%*
  - 20 Points..... \_\_\_\_\_

**10 INNOVATION POINTS**

- 10.1 *Install Infrastructure to Support Current or Future Alternative Fuel Vehicle Use*
  - 1 Point ..... \_\_\_\_\_
- 10.2 *Innovative Product or Design Points (up to 10 points)*  
(to be awarded based on demonstrated energy or resource conservation savings)
  - \_\_\_\_\_ Points..... \_\_\_\_\_

**11 REGULATIONS**

- 11.1 *The Building Official may make reasonable interpretive and administrative Interpretations according to the following:*
  - (i) *Interpretation: A person having an interest in an interpretation by the Building Official of this section may file request on a form provided by the Building Official and containing the information required by such form, for review of that interpretation.*