BOROUGH OF SWARTHMORE (2014 update)	For Office Use Only	
Applicant	Points Received	
Project Address	Reviewer	
Contact Name/Phone/	reviewer	
□ New Construction □ Remodel □ Addition		
Green Points Worksheet		
<u>I</u>		
PLEASE NOTE THAT GREEN POINTS WILL BE GIVEN ON ARE IN EXCESS OF THE PENNSYLVANIA UNIFORM COAND/OR SWARTHMORE BOROUGH SUBDIVISION DEVELOPMENT REGULATIONS	INSTRUCTION CODE	
1 CONSTRUCTION • DEMOLITION • USE OF RECYC	LED MATERIALS	
Deconstruction Plan Submitted with Permit Application		
□ 1 Point		
Deconstructed Materials Donated to a Reseller		
□ 1 Point		
Use of Reclaimed Lumber		
□ 5 Points.		
Construction Debris Recycled (75% + or complete demolition)		
□ 3 Points	·····	
Recycled Content Carpeting		
□ 2 Points		
Recycled Plastic in Deck Material		
☐ 2 Points	·····	
□ 1 Point		
Recycled Content or Fiber Cement Siding		
□ 3 Points		
Recycled Content Roofing	·····	
□ 3 Points		
2 COMPACT LAND USE • WATER CONSERV	VATION	
Compact Building Footprint (New Construction)		
Lot coverage 10% less than zoning maximum		
□ 3 Points.	·····	
Lot coverage 5% less than zoning maximum		
□ 2 Points	·····	
Landscaping (New Construction)		
Reduction of turf areas and lawns kept to a minimum		
☐ 3 Points	·····	
□ 2 Points		
Zoned irrigation system separating turf from shrub areas and low water dema		
water demand areas that includes drip irrigation zones.	ina ar eas from mgn	
□ 3 Points	·····	
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		
☐ 5 Points: 50,000 gallons of annual water saving		
, J		

□ 6 Points: 60,000 gallons of annual water saving
Use of Engineered Swales to Filter Storm Water Runoff (only applicable if not required by Stormwater Permit) □ 3 Points
□Points
3 FRAMING
Incorporate Optimal Value Engineering (OVE) Framing Techniques 2 Points
☐ 1 Point
☐ 2 Points
Engineered Lumber Used (Floors)
Engineered Lumber Used to Replace 2x10s or 2x12s for Structural Applications 1 Point
Structural Alternatives to Wood 5 Points
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.

0	
2	
4	
6	
8	
10	
1	
2	
4	
0	
	2 4 6 8 10 1 2 4

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	2	
90% AFUE	4	
94% AFUE	6	
Air Conditioning		
11 SEER	0	
12 SEER	2	
13 SEER	4	
	6	
14 SEER	U	

5 PLUMBING

Tankless Domestic Hot Water Heaters	
□ 1 Point	
"On Demand" Hot Water Switch	
□ 1 Point	

6 ELECTRICAL

Efficient Appliances	
Energy Star Dishwasher Installed (Provide Manufacturers Spec Sheet)	
□ 1 Point	
Energy Star Clothes Washer Installed (Provide Manufacturers Spec Sheet)	
□ 1 Point	
Energy Star Refrigerator Installed (Provide Manufacturers Spec Sheet)	
□ 1 Point	
Energy Star Freezer Installed (Provide Manufacturers Spec Sheet)	
□ 1 Point	
☐ 1 Point	
□ 1 Point: 4 LED bulbs	
□ 2 Points: 8 LED bulbs	
□ 3 Points: 12 LED bulbs	
Energy Efficient Lighting Controls Installed (provide documentation)	
□ 2 Points	
7 INSULATION	
, modernou	
Wall Insulation is 80% Recycled Material and/or Wet-Spray Insulation	
□ 2 Points	
Ceiling Insulation is 80% Recycled Material and/or Wet-Spray Insulation	
□ 2 Points	
Windows (only one of the following three may be used)	
• 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 0.5 = total points	
□ Points	
• Single-pane Windows Changed out for Low Emissivity Window (up to maximum 10 points)	
1 point per window for additions and remodels Calculate: total number of windows = total points	
□ Points	
Single-pane Windows Changed out with argon/HM Windows (up to maximum 10 points) 1.5 points are window for additions and some delay.	
1.5 points per window for additions and remodels Calculate: total number of windows x 1.5 = total points	
□ Points	
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	
□ 5 Points	
Existing Walls Insulated to Capacity (not to be combined with Section 4)	
3 points for additions and remodels	
□ 7 Points	
Install Recycled-Content, Formaldehyde-Free Fiberglass Insulation	
□ 2 Points	
8 HEATING AND COOLING	
Air Destratification Systems	
☐ 1 Point	
Natural Cooling (provide design schematics)	
☐ 2 Points	
□ 6 Points	

Vapor Permeable Infiltration B	arrier
□ 1 Point	
Whole House Fan	
Convert Electric Heat to Gas H	leat (addition and remodels only)
□ 5 Points	
Replace Electric Water Heater	with Gas Water Heater (additions and remodels only)
□ 3 Points	
Hydronic Baseboard Heat	
Radiant Floor Heat	
	W. T. J. (W. D. W. W. W.)
	Heat Exchanger (Heat Recovery Ventilation)
□ 8 Points	
	9 SOLAR
Passive Solar Potential Preserv	
5 Points for the Follo	
(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
(vi)	is totally shaded between 10:00am and 2:00pm on the summer solstice Which has unimpeded solar access
(vi)	(The Building Official shall be authorized to make determinations as to
	compliance with the above criteria)
□ 5 Points each	
	e adequate to provide at least 20% Passive Solar Heating
	e adequate to provide at least 40% Passive Solar Heating, but only if designed in ly sized thermal mass so as not to affect adversely cooling loads
	e adequate to provide at least a 60% Passive Solar Heating, but only if designed in ly sized thermal mass so as not to affect adversely cooling loads
Solar Hot Water Heating	
-	a calculated savings fraction of
	······
□ 16 Points: 50%	
□ 20 Points: 60%	
Active Solar Pre-Plumbing	
· · · · · · · · · · · · · · · · · · ·	h a Savings Fraction of at Least 25%
□ 20 Points	
	10 INNOVATION POINTS
	t Current or Future Alternative Fuel Vehicle Use
Innovative Product or Design P	
	emonstrated energy or resource conservation savings)
□ Points	