

# LEED-NC v3.0 (2009) Preliminary Project Checklist

"WUNDEResin EAST" (J. Wunderlich Residence/Farmette, possible future Bed & Breakfast)  
Near Elizabethtown College, Pennsylvania

16-Oct-12

Preliminary Review Only - Subject to Change

Yes	?	No				
<b>11</b>						
<b>Sustainable Sites</b>			<b>26 Points</b>			
Y			Prereq 1	<b>Construction Activity Pollution Prevention</b>	Required	
1			Credit 1	<b>Site Selection</b>	1	UNOBSTRUCTED SOUTHERN EXPOSURE, SHIELDED NORTHRN, A+ VIEWS
5			Credit 2	<b>Development Density &amp; Community Connectivity</b>	5	COMPLIMENTS/PRESERVES FARM COMMUNITY ESTHETIC AND CULTURE
		N	Credit 3	<b>Brownfield Redevelopment</b>	1	not applicable, BUT RESTORATION OF 150-YEAR OLD STRUCTURES
		N	Credit 4.1	<b>Alternative Transportation</b> , Public Transportation Access	6	not applicable IN FARMING COMMUNITY
1			Credit 4.2	<b>Alternative Transportation</b> , Bicycle Storage & Changing Rooms	1	BIKES FOR EVERY FAMILY MEMBER
		N	Credit 4.3	<b>Alternative Transportation</b> , Low-Emitting and Fuel-Efficient Vehicles	3	NOT YET -- PLANNING HYBRID VEHICLE PURCHASE
		N	Credit 4.4	<b>Alternative Transportation</b> , Parking Capacity	2	not applicable IN FARMING COMMUNITY
1			Credit 5.1	<b>Site Development</b> , Protect or Restore Habitat	1	212 TREES PLANTED, FENCED-IN WILDLIFE, BIRD SANCTUARY CREATED
1			Credit 5.2	<b>Site Development</b> , Maximize Open Space	1	EXTENSIVE -- 3-1/2 Acres
1			Credit 6.1	<b>Stormwater Design</b> , Quantity Control	1	FRENCH DRAINS AROUND NEW CONSTRUCTION
		N	Credit 6.2	<b>Stormwater Design</b> , Quality Control	1	GREY-WATER SYSTEM BEING CONSIDERED
		N	Credit 7.1	<b>Heat Island Effect</b> , Non-Roof	1	not applicable IN FARMING COMMUNITY
		N	Credit 7.2	<b>Heat Island Effect</b> , Roof	1	not applicable IN FARMING COMMUNITY
1			Credit 8	<b>Light Pollution Reduction</b>	1	RECYCLE ALL PLASTIC AND PAPER, DONATE CLOTHES, ETC. TO POOR
<b>3</b>						
<b>Water Efficiency</b>			<b>10 Points</b>			<b>Notes</b>
Y			Prereq 1	<b>Water Use Reduction</b> , 20% Reduction	Required	
1			Credit 1	<b>Water Efficient Landscaping</b>	2 to 4	MINIMAL IRRIGATION FOR TREES AND 3 TO 4 GARDENS PER YEAR
1			Credit 2	<b>Innovative Wastewater Technologies</b>	2	NEW DRAINFIELD
1			Credit 3	<b>Water Use Reduction</b>	2 to 4	LOW-PRESSURE WELL; DISHES: HAND-WASH + ENERGY-EFF DISHWSHR
<b>7</b>						
<b>Energy &amp; Atmosphere</b>			<b>35 Points</b>			<b>Notes</b>
Y			Prereq 1	<b>Fundamental Commissioning of the Building Energy Systems</b>	Required	
Y			Prereq 2	<b>Minimum Energy Performance</b>	Required	
Y			Prereq 3	<b>Fundamental Refrigerant Management</b>	Required	
6			Credit 1	<b>Optimize Energy Performance</b>	1 to 19	OIL + ELECTRIC ZONES WITH ARTIFICIAL INTELLIGENCE COMING
1			Credit 2	<b>On-Site Renewable Energy</b>	1 to 7	ACTIVE SOLAR, GROUND WATER LOOP, & WIND BEING CONSIDERED
		N	Credit 3	<b>Enhanced Commissioning</b>	2	not yet
		N	Credit 4	<b>Enhanced Refrigerant Management</b>	2	not yet
		N	Credit 5	<b>Measurement &amp; Verification</b>	3	not yet
		N	Credit 6	<b>Green Power</b>	2	not yet
<b>11</b>						
<b>Materials &amp; Resources</b>			<b>14 Points</b>			<b>Notes</b>
Y			Prereq 1	<b>Storage &amp; Collection of Recyclables</b>	Required	
3			Credit 1.1	<b>Building Reuse</b> , Maintain Existing Walls, Floors & Roof	1 to 3	EXTENSIVE -- PRESERVATION OF 95% OF EXISTING STRUCTURES
1			Credit 1.2	<b>Building Reuse</b> , Maintain 50% of Interior Non-Structural Elements	1	EXTENSIVE - 90% MAINTAINED
2			Credit 2	<b>Construction Waste Management</b>	1 to 2	EXTENSIVE -- PRECISE MATERIAL ESTIMATES, NO DUMPSTERS
2			Credit 3	<b>Materials Reuse</b>	1 to 2	EXTENSIVE -- ALL POST & BEAMS, AND SIDING, AND STONES
?			Credit 4	<b>Recycled Content</b>	1 to 2	SOME, BUT UNCERTAIN PERCENTAGE
2			Credit 5	<b>Regional Materials</b>	1 to 2	85% LOCAL BUILDING SUPPLIER w/in 10 miles, REUSE OF WOOD & STONE
1			Credit 6	<b>Rapidly Renewable Materials</b>	1	90% WOOD CONSTRUCTION
?			Credit 7	<b>Certified Wood</b>	1	POSSIBLY SOME -- NEED TO CHECK RECORDS
<b>11</b>						
<b>Indoor Environmental Quality</b>			<b>15 Points</b>			<b>Notes</b>
Y			Prereq 1	<b>Minimum IAQ Performance</b>	Required	
Y			Prereq 2	<b>Environmental Tobacco Smoke (ETS) Control</b>	Required	
		N	Credit 1	<b>Outdoor Air Delivery Monitoring</b>	1	
1			Credit 2	<b>Increased Ventilation</b>	1	ATTIC TEMP-CONTROLLED FANS, PLENUMS FOR OPTIMAL AIR-FLOW
1			Credit 3.1	<b>Construction IAQ Management Plan</b> , During Construction	1	MASKS, NEGTV- PRESS CONTAINMENT, AND VENTILATION/FANS ALWAYS
1			Credit 3.2	<b>Construction IAQ Management Plan</b> , Before Occupancy	1	CONTAINMENT AND VENTILATION
1			Credit 4.1	<b>Low-Emitting Materials</b> , Adhesives & Sealants	1	WATER-BASED WHEN POSSIBLE
1			Credit 4.2	<b>Low-Emitting Materials</b> , Paints & Coatings	1	LOW-VOC'S (Volatile Organic Compounds), PAINTS WATER-BASED
1			Credit 4.3	<b>Low-Emitting Materials</b> , Flooring Systems	1	ALL-WOOD, MINIMAL VOC'S
?			Credit 4.4	<b>Low-Emitting Materials</b> , Composite Wood & Agrifiber Products	1	ALWAYS ATTEMPTED MINIMAL VOC'S -- NEED TO CHECK RECORDS
1			Credit 5	<b>Indoor Chemical &amp; Pollutant Source Control</b>	1	RADON TESTED, CO2 MONITORED, INCREASED VENTILATION
		N	Credit 6.1	<b>Controllability of Systems</b> , Lighting	1	NOT YET, BUT DAILY FAMILY LIGHTING-MINIMIZATION PLAN
1			Credit 6.2	<b>Controllability of Systems</b> , Thermal Comfort	1	SEVERAL PROGRAMMED ZONES (ARTIFICIAL INTELLIGENCE PLANNED)
1			Credit 7.1	<b>Thermal Comfort</b> , Design	1	PROGRAMMED ZONES, DEHUMIDIFICATION
		N	Credit 7.2	<b>Thermal Comfort</b> , Verification	1	NOT YET
1			Credit 8.1	<b>Daylight &amp; Views</b> , Daylight 75% of Spaces	1	EXTENSIVELY OPTIMIZED
1			Credit 8.2	<b>Daylight &amp; Views</b> , Views for 90% of Spaces	1	EXTENSIVELY OPTIMIZED
<b>5</b>						
<b>Innovation &amp; Design Process</b>			<b>6 Points</b>			<b>Notes</b>
1			Credit 1.1	<b>Innovation in Design</b> : Provide Specific Title	1	EXTRA INSULATION, Vapor & Moisture BARRIERS; Northern BUFFER SPACES
1			Credit 1.2	<b>Innovation in Design</b> : Provide Specific Title	1	OVERALL BUILDING HAS LOW SURFACE-AREA TO VOLUME RATIO
1			Credit 1.3	<b>Innovation in Design</b> : Provide Specific Title	1	STRUCTURAL REINFORCING OF OLD HOUSE WITH NEW FOUNDATIONS
1			Credit 1.4	<b>Innovation in Design</b> : Provide Specific Title	1	99% CONSTRUC BY OWNER W/ HAND-TOOLS, 70 YARDS DIRT W/SHOVEL
1			Credit 1.5	<b>Innovation in Design</b> : Provide Specific Title	1	212 NEW TREES: PASSIVE-SOLAR, WINDBLOCK, NOISE-CONTROL, BIRDS
		N	Credit 2	<b>LEED® Accredited Professional</b>	1	OWNER PREPARING TO TAKE LEED GA EXAM
<b>2</b>						
<b>Regional Priority</b>			<b>4 Points</b>			<b>Notes</b>
1			Credit 1.1	<b>Regional Priority</b> : Provide Specific Title	1	PRESERVING EXISTING FARMHOUSES AND BARN
1			Credit 1.2	<b>Regional Priority</b> : Provide Specific Title	1	3 TO 4 WORKING GARDENS PER YEAR -- AGRICULTURAL ZONING
			Credit 1.3	<b>Regional Priority</b> : Provide Specific Title	1	
			Credit 1.4	<b>Regional Priority</b> : Provide Specific Title	1	
<b>50</b>						
<b>Project Totals (pre-certification estimates)</b>			<b>110 Points</b>			<b>ADD 15 POINTS WHEN SOLAR, WIND, &amp; AI ZONES DONE</b>
Yes	?	No	Certified 40-49 points Silver 50-59 points Gold 60-79 points Platinum 80-110 points			