

Green Woodlands – LEED for Homes (Pilot) TASKLIST

2/17/2006

Location and Linkages:

LL#1	Not Yet Available / Not Applicable	
LL#2	100 year flood map? Verify federal or state threatened or endangered plants or animals habitat Within 100 feet of water? Previously Parkland? Prime Farmland?	PL
LL#3.1	NO – not near water and sewer service	
LL#3.2	NO – not an infill site	
LL#4.1	NO – not within ¼ mile of basic services	
LL#4.2	NO – not within ¼ mile of extensive services	
LL#4.3	Verify definition of “Community Green Space”	PL
LL#5.1-3	NO – not compact development	

Sustainable Sites:

Prereq. 1.1	Tree & plant preservation plan Delineate on site	LA BRUSS
Prereq. 1.2	Design erosion control measures Inspect measures on site. (or PL to photo?)	BANWELL JORDAN
Prereq. 2.1	Basic Landscape Design (drought tolerant / native...)	LA
SS#2.2	Mulch plants.	LA / BRUSS
SS#2.3	Limit turf area to 20% of site	LA
SS#2.4	90% of plants are from Cooperative Extension list	LA

SS#3	Shade trees within 50’? Light colored mat’l for 50% of non-roof impervious areas?	LA LA
Prereq. 4.1	Permeable material for 65% of site minimum	BANWELL
SS#4.2	Permeable paving for 60% min of walks, patios, driveway...	BANWELL
SS#4.3	Design and Install permanent erosion control (swales, terraces, trees...) Inspect measures on site (or PL photo)	LA JORDAN
SS#5	Keep all wood 12” above soil. Seal all pest entry points. Rodent screens on all openings. Keep mature plants 24” away from house. Inspect above measures.	BANWELL BRUSS BRUSS LA JORDAN

Water Efficiency:

WE#1.1	No rain water harvesting planned	XXXXXX
WE#1.2	Design and Install greywater recycling system.	PETERSON
WE#2.1-3	Install landscape requiring no irrigation Perform visual inspection	LA / BRUSS JORDAN
WE#3.1-2	Specify 1.5 gpm faucets, 1.5 gpm shower heads, composting toilets Perform visual inspection and verify per mfr literature	PETERSON JORDAN

Indoor Environmental Quality:

EQ#1	Verify if Energy Star with “Indoor Air Package” desired.	PL
Prereq. #2.1	Space Heat and DHW with closed / power exhaust and CO monitoring Inspect measures (or PL photos?)	PETERSON JORDAN
Prereq. #2.2	Fireplace must have outside air supply and closed combustion Inspect measures (or PL photos?)	BANWELL JORDAN
EQ#3	Analyze moisture loads AND install central system if req’d	PETERSON

Prereq.#4.1	Meet ASHRAE Std. 62.2 for ventilation air	PETERSON
EQ#4.2	Use Heat Recovery as part of ventilation system. Inspect measures (or PL photos?)	PETERSON JORDAN
EQ#4.3	Third Party testing of ventilation system flow rates.	NHEC?
Prereq. #5.1	Exhaust fans in bathrooms and kitchens to meet ASHRAE 62.2 NOTE: bathroom fan in composte instead (need EnergyStar label)	PETERSON
EQ#5.2	Timer or automatic control for bathroom fans NOTE: see www.efi.org Inspect measures (or PL photos?)	PETERSON JORDAN
EQ#5.3	Third party testing of each exhaust fan flow rate	NHEC?
Prereq. #6.1	Hydronic heat with Passive ventilation per ASHRAE 62.2	PETERSON
EQ#6.2	not applicable (third party testing of conditioned air flow rates)	XXXXXX
EQ#7.1-3	Install HEPA air filters (>= MERV 12) in supply air Inspect measures (or PL photos?)	PETERSON JORDAN
Prereq. #8.1	Seal off ducts during construction Inspect measures (or PL photos?)	BRUSS JORDAN
EQ#8.2	Permanent walk off mats or central vacuum system Inspect measures (or PL photos?)	BANWELL JORDAN
EQ#8.3	Third party testing of contaminant concentration before occupancy	Turner Group?
Prereq. #9.1	Radon – site not in EPA zone 1 – therefore not req'd	XXXXXX
EQ#9.2	Design & Install ground contaminant mitigation system (for Radon)	BANWELL
Prereq.#10.1	No air handling equipment OR return ducts in garage	PETERSON
Prereq.#10.2	Tightly seal shared surfaces between garage and home CO detectors in rooms above garage Inspect measures (or PL photos?)	BRUSS BRUSS JORDAN

EQ#10.3	Automatic exhaust fan in garage Inspect measure (or PL photos?)	PETERSON JORDAN
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Materials and Resources:

MR#1	2726 sf / 3 bedrooms means losing 8 (maybe 9) points for house size	PL
MR#2.1	No extra lumber used for aesthetic purposes	ALL
MR#2.2	Select framing techniques from “Optional Measures” list Inspect measures	ALL JORDAN
MR#3	Specify local (within 500 miles) manufactured materials Review invoices (and lumber tally sheets)	BANWELL JORDAN
MR#4.1	Prepare a detailed “Durability Plan” (see example) Review plan for thoroughness and compliance	ALL / PL JORDAN
MR#4.2	Verify implementation of Durability Plan (See list of 5 required inspections) – PHOTOS OK? Correct deficiencies identified Re-inspect (PHOTOS OK?)	JORDAN BRUSS JORDAN
MR#5.1	Tropical woods (if used) must be FSC certified	BANWELL
MR#5.2	Specify Environmentally Preferable Products (EPP’s) from list or From <i>GreenSpec</i> (min of 4 for 2 points – 4 points possible) Review invoices	BANWELL JORDAN
MR#6.1	Generate no more than 6,800 LBS waste (mandatory)	BRUSS
MR#6.2	Generate no more than 1,363 LBS (8 cu yds) waste for 2 points Inspect jobsite recycling effort (PHOTOS OK?) and review haul tags	BRUSS / PL JORDAN

Energy and Atmosphere:

EA#1.1	Meet Energy Star Homes (with 3 rd party testing) Home Energy Rating System (HERS) rating	PETERSON NHEC??
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EA#1.2	Exceed HERS score of 86 (2 points awarded for every HERS point)	PETERSON
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NOTE: Can either do EA#1.1 and 1.2 or use credits EA#2-7 as option

EA#2.1-3	Exceed code insulation requirements by at least 5% Inspect insulation (photos ok?) (see list in rating system)	BANWELL JORDAN
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EA#3.1-3	Achieve air infiltration of ≤ 0.15 ACH (NOTE: target per FoamTech is 0.10) Blower door results req'd	BRUSS FOAMTECH? NHEC?
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EA#4.1-3	Exceed Energy Star window requirement by 20% minimum Specify windows with U-factor ≤ 0.30 Inspect windows for NFRC label	BANWELL JORDAN
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EA#5.1-3	Air leakage from ducts to exterior ≤ 1.0 cfm at 25 PA per 100 sf OR Install only ductless space conditioning equipment	PETERSON
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EA#6.1-3	Design and install HVAC equipment that exceeds Energy Star by 20% Install EnergyStar labeled programmable thermostat Provide proof of proper refrigerant charge (or no AC) Inspect and confirm above specs on installed equipment (photos?)	PETERSON PETERSON BRUSS JORDAN
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EA#7.1	Design and Install efficient water distribution system (see list) Perform visual inspection of measures used (photos?)	PETERSON / BRUSS JORDAN
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EA#7.2	Design and install energy efficient water heating equipment (see list) Perform visual inspection of measures used (photos?)	PETERSON JORDAN
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EA#8.1-2	Design and Install Energy Star Advanced Lighting Package (ALP) Perform visual inspection of measures used (photos?)	B KISHCO? JORDAN
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EA#9.1-2	Select qualifying Energy Star appliances and ceiling fans Perform visual inspection of measures used (photos?)	BANWELL JORDAN
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EA#10	Design and install an renewable energy electric system providing Minimum of 60% of annual electric load (Hydro & PV?) Provide Calculations Photos of systems	???? ???? PL
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EA#11 Do not use refrigerants (or see requirements otherwise) BANWELL

Homeowner Awareness:

HA#1.1-2 Provide homeowner with manual (see list for req's)
Provide homeowner with min. of (4) 1 hour trainings (see list)
Review Manual BRUSS / PL
BRUSS / ALL
JORDAN

Innovation and Design Process:

NOTE: Each of these must include:

- Intent of Credit
- Proposed requirements for compliance
- Proposed to documentation to demonstrate compliance
- Description of benefits of measures

ID#1.1 Fully off-grid electric home using 100% renewable electric energy?

ID#1.2 Exemplary use of local lumber?

ID#1.3 Sustainability Education ????

ID#1.4 other?????

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