

**CC-13 Identify and establish distinctive entryways into the city, support neighborhood efforts to identify and maintain unique neighborhood entryways, and emphasize these locations with design elements, such as landscaping, art or monuments.**

**CC-14 Identify public view corridors unique to Redmond, such as those of Mount Rainier, Mount Baker, the Sammamish Valley, Lake Sammamish, the Sammamish River, the Cascade Mountains; and, when feasible, design streets, trails, parks and structures to preserve and enhance those view corridors through such means as:**

- Site and landscape planning and design to preserve views,
- Removal of invasive plants,
- Properly pruning trees and shrubs while including them as a part of the vista,
- Framing views with structural elements, and
- Aligning paths to create focal points.

**CC-15 Encourage schools, religious facilities, libraries and other public or semipublic buildings to locate and design unique facilities to serve as community landmarks and to foster a sense of place.**

**CC-16 Prohibit billboards and other large signs and use design review for new signage to protect views of significant land forms and community features, avoid visual clutter, and ensure citywide design standards are met.**

### **Buildings and Site Design**

There is a high expectation for quality design in Redmond, and a set of design standards provides local guidance. The commercial or multifamily projects

receive a higher level of scrutiny than single-family homes. Many projects are evaluated by a design review board. Some projects with nominal impacts are reviewed at an administrative level using the adopted design standards.

**CC-17 Maintain a system of design review that applies more intense levels of review where the scope of the project has greater potential impacts to the community. Implement this system through a formal design review board process in conjunction with the use of administrative review.**

**CC-18 Use design standards and design review to accomplish the following:**

- Ensure the elements of design, proportion, rhythm and massing are correct for proposed structures and the site;
- Retain and create places and structures in the city that have unique features;
- Ensure that building scale and orientation are appropriate to the site;
- Encourage the use of high-quality and durable materials, as well as innovative building techniques and designs;
- Promote environmentally friendly design and building techniques such as LEED for the construction or rehabilitation of structures;
- Minimize negative impacts, such as glare or unsightly views of parking;
- Incorporate historic features whenever possible;
- Maintain integrity of zones such as Old Town with unique or historic qualities; and
- Ensure that the design fits with the context of the site, reflecting the historic and natural features and character.

**CC-19 Design and build Redmond's public buildings in a superior way and with high-quality**

See next  
page...

Staff-  
recommended  
edit

materials to serve as innovative and sustainable models to the community, furthering Redmond’s sustainability principles and inspiring the private sector to do the same.

**CC-20 Encourage high-quality and attractive design that promotes variety between different developments and different areas in Redmond to maintain and create a sense of place.**

The National Crime Prevention Institute endorses a set of guidelines called Crime Prevention through Environmental Design (CPTED). These guidelines illustrate how design can affect the safety of a site or building. Clearly distinguishing between public and private spaces makes it easier to identify intruders. The ability to easily observe activities helps parents and caregivers keep sight of children and helps neighbors or workers identify activities that should not be occurring. Areas with little or no use are typically not cared for and can offer areas for unwanted activities.

**CC-21 Ensure safe environments by requiring use of building and site design techniques consistent with CPTED guidelines to:**

- Distinguish between publicly accessible open space and private open space;
- Provide vandal-resistant construction;
- Provide opportunities for residents and workers to view spaces and observe activities nearby; and
- Reduce or eliminate “unclaimed” areas, such as unmaintained easements between fence lines and street or trail right-of-way.

Members of the Redmond community have expressed that stewardship of the natural environment is important to them. Although Redmond continues to urbanize, many features of the natural environment can be preserved, enhanced and restored. Design of landscaping and the built environment can reduce the impacts to natural systems. At the same time, well-

thought-out landscape design can enhance a site and create unique character.

**CC-22 Foster care for the natural environment and maintain the green character of the city, while allowing for urbanization through techniques such as:**

- Encouraging design that minimizes impact on natural systems;
- Using innovations in public projects that improve natural systems;
- Preserving key areas of open space; and
- Requiring the installation and maintenance of street vegetation as defined by the citywide street tree program.

**CC-23 Encourage landscaping that:**

- Creates character and a sense of place,
- Retains and enhances existing green character,
- Preserves and utilizes native trees and plants,
- Enhances water and air quality,
- Minimizes water consumption,
- Provides aesthetic value,
- Creates spaces for recreation,
- Unifies site design,
- Softens or disguises less aesthetically pleasing features of a site, and
- Provides buffers for transitions between uses or helps protect natural features.

### Streets and Pathways

Streets can be more than just a means of getting from one point to another. They can define how the city is viewed as one passes through it and create a sense of unique character. Elements of street design, such as width, provisions for transit or bikes, pavement treatments, and street-side vegetation, affect the quality of a traveler’s trip and the sense of place. Those design elements also can affect the behavior of motorists, such as their speed, their decisions to yield or take the right-of-way, and the degree of attention that is paid to pedestrians, bikes and other vehicles.

**Goals for Redmond**

- ◆ To develop dynamic incentive strategies to create Puget Sound's most sustainable city
- ◆ To conserve agricultural lands and rural areas, to protect and enhance the quality of the natural environment, and to sustain Redmond's natural resources as the City continues to accommodate growth and development.
- ◆ To retain and enhance Redmond's distinctive character and high quality of life, including an abundance of parks, open space, good schools and recreational facilities.
- ◆ To emphasize choices and equitable access in housing, transportation, stores and services.
- ◆ To support vibrant concentrations of retail, office, service, residential and recreational activity in Downtown and Overlake.
- ◆ To maintain a strong and diverse economy and to provide a business climate that retains and attracts locally owned companies, as well as internationally recognized corporations.
- ◆ To provide opportunities to live a healthy lifestyle, enjoy a variety of community gathering places and celebrate diverse cultural opportunities.
- ◆ To provide convenient, safe and environmentally friendly transportation connections within Redmond and between Redmond and other communities for people and goods.
- ◆ To cultivate a well-connected community, working together and with others in the region to implement a common vision for Redmond's sustainable future.

Source: Redmond Comprehensive Plan: Goals, Vision and Framework Policies

To establish dynamic architectural designs for communities and buildings. To encourage great and diverse design by providing the framework to establish new ideas in order to avoid a defensive set of design guidelines that creates a practical reality of look-a-like buildings.

Support state allowed SEPA thresholds in high density transit areas in downtown and the Overlake business and commercial areas.

## **Existing Comprehensive Plan Policies and Zoning Code Regulations related to sustainability and green development.**

### **Land Use Element – Comprehensive Plan**

- LU-4 Encourage sustainable development of both public and private lands in Redmond through the use of techniques, such as green building and green infrastructure.
- LU-5 Provide an appropriate level of flexibility through development regulations to promote efficient use of buildable land. Balance this flexibility with other community goals and the need for predictability in decision making. Achieve this through measures such as clustering that preserve open space and administrative variances for minor variations.

### **Natural Environment Element – Comprehensive Plan**

- NE-12 Encourage environmentally friendly construction practices, such as Leadership in Energy and Environmental Design (LEED), King County Built Green, and low impact development.
- NE-13 Encourage projects which utilize alternative technologies, engineering, and plans which emphasize low-impact development strategies through incentives and flexibility in meeting regulatory requirements.
- NE-24 Encourage use of creative and appropriate site design and housing types to balance environmental protection and achievable density. Encourage clustering and density transfers for both commercial and residential development to help retain significant natural features and critical areas as open space.

### **Utilities Element – Comprehensive Plan**

UT-73 Promote, support and increase the use of clean alternative energy by:

- Advocating for the development of renewable energy sources;
- Facilitating development and use of innovative technologies, such as alternative fuels and on-site renewable energy; and
- Providing incentives for development that incorporates renewable energy.

### **Redmond Zoning Code**

- Green Building and Green Infrastructure Incentive Program (RZC 21.67)
- Overlake Incentive Program (RZC 21.12.170)



# STATE ENVIRONMENTAL POLICY ACT (SEPA) DETERMINATION OF NON-SIGNIFICANCE

## EXHIBIT F

For more information about this project visit [www.redmond.gov/landuseapps](http://www.redmond.gov/landuseapps)

### PROJECT INFORMATION

**PROJECT NAME:** PROPOSED AMENDMENTS REGARDING  
1) COMPREHENSIVE PLAN GOALS; 2) COMPREHENSIVE PLAN  
POLICIES FOR BUILDING DESIGN; AND 3) ZONING CODE STATE  
ENVIRONMENTAL POLICY ACT (SEPA) EXEMPTION THRESHOLDS

**SEPA FILE NUMBER:** SEPA-2013-00274

#### **PROJECT DESCRIPTION:**

- 1) Add new goal to Comprehensive Plan addressing sustainability
- 2) Revise policy language to encourage superior architectural design
- 3) Raise State Environmental Policy Act (SEPA) exemption thresholds

**PROJECT LOCATION:** CITYWIDE

**SITE ADDRESS, IF APPLICABLE:** N/A

**APPLICANT:** NATURAL AND BUILT ENVIRONMENTS, LLC  
ROBERT PANTLEY (OWNER/REPRESENTATIVE)

**LEAD AGENCY:** CITY OF REDMOND

THE LEAD AGENCY FOR THIS PROPOSAL HAS DETERMINED THAT THE REQUIREMENTS OF ENVIRONMENTAL ANALYSIS, PROTECTION, AND MITIGATION MEASURES HAVE BEEN ADEQUATELY ADDRESSED THROUGH THE CITY'S REGULATIONS AND COMPREHENSIVE PLAN TOGETHER WITH APPLICABLE STATE AND FEDERAL LAWS.

ADDITIONALLY, THE LEAD AGENCY HAS DETERMINED THAT THE PROPOSAL DOES NOT HAVE A PROBABLE SIGNIFICANT ADVERSE IMPACT ON THE ENVIRONMENT AS DESCRIBED UNDER SEPA.

AN ENVIRONMENTAL IMPACT STATEMENT (EIS) IS NOT REQUIRED UNDER RCW 43.21C.030(2)(c). THIS DECISION WAS MADE AFTER REVIEW OF A COMPLETED ENVIRONMENTAL CHECKLIST AND OTHER INFORMATION ON FILE WITH THE LEAD AGENCY. THIS INFORMATION IS AVAILABLE TO THE PUBLIC ON REQUEST.

### CITY CONTACT INFORMATION:

**PROJECT PLANNER NAME:** PETE SULLIVAN, SENIOR PLANNER  
**PHONE NUMBER:** 425-556-2406  
**EMAIL:** PPSULLIVAN@REDMOND.GOV

### IMPORTANT DATES

**COMMENT PERIOD:** DEPENDING UPON THE PROPOSAL, A COMMENT PERIOD MAY NOT BE REQUIRED. AN "X" IS PLACED NEXT TO THE APPLICABLE COMMENT PERIOD PROVISION.

\_\_ THERE IS NO COMMENT PERIOD FOR THIS DNS. PLEASE SEE BELOW FOR APPEAL PROVISIONS.

X THIS DNS IS ISSUED UNDER WAC 197-11-340(2), AND THE LEAD AGENCY WILL NOT MAKE A DECISION ON THIS PROPOSAL FOR 14 DAYS FROM THE DATE BELOW. COMMENTS CAN BE SUBMITTED TO THE PROJECT PLANNER, VIA PHONE, FAX (425)556-2400, EMAIL OR IN PERSON AT THE DEVELOPMENT SERVICES CENTER LOCATED AT 15670 NE 85<sup>TH</sup> STREET, REDMOND, WA 98052. **COMMENTS MUST BE SUBMITTED BY MARCH 15, 2013**

#### APPEAL PERIOD:

YOU MAY APPEAL THIS DETERMINATION TO THE CITY OF REDMOND PLANNING DEPARTMENT, REDMOND CITY HALL, 15670 NE 85<sup>TH</sup> STREET, P.O. BOX 97010, REDMOND, WA 98073-9710, **NO LATER THAN 5:00 P.M. ON MARCH 29, 2013** BY SUBMITTING A COMPLETED CITY OF REDMOND APPEAL APPLICATION FORM AVAILABLE ON THE CITY'S WEBSITE AT [WWW.REDMOND.GOV](http://WWW.REDMOND.GOV) OR AT CITY HALL. YOU SHOULD BE PREPARED TO MAKE SPECIFIC FACTUAL OBJECTIONS.

**DATE OF DNS ISSUANCE: MARCH 1, 2013**

**FOR MORE INFORMATION ABOUT THE PROJECT OR SEPA PROCEDURES, PLEASE CONTACT THE PROJECT PLANNER.**

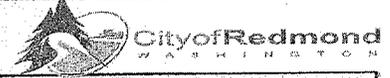
**RESPONSIBLE OFFICIAL:** ROBERT G. ODLE, PLANNING DIRECTOR

**RESPONSIBLE OFFICIAL:** RONALD D. GRANT, ASSIST. PW DIRECTOR

**ADDRESS:** 15670 NE 85<sup>TH</sup> STREET REDMOND, WA 98052



# SEPA APPLICATION



Office Use Only

DATE: \_\_\_\_\_ PROJ: \_\_\_\_\_ LAND: \_\_\_\_\_ ACCEPTED BY: \_\_\_\_\_

Related LAND: \_\_\_\_\_

**NOTICE:** This form must be completed (clearly printed or typed) to file a SEPA checklist.

Project Name: Comp plan update with: 1) sustainability focus 2) superior design implementation 3) SEPA threshold update

Site Address: N/A

Parcel Number(s): N/A

Acres: N/A Zoning: N/A Section/Township/Range: City wide

Shoreline Designation: N/A Waterbody: N/A

APPLICANT/DEVELOPER INFORMATION	CONTACT INFORMATION (PRIMARY CONTACT REGARDING THIS APPLICATION IF OTHER THAN APPLICANT, AND TO WHOM ALL NOTICES AND REPORTS SHALL BE SENT)
<input checked="" type="checkbox"/> APPLICANT <input type="checkbox"/> OWNER Name: <u>Robert Pantley</u> Company Name: <u>Natural and Built Environments</u> Mailing Address: <u>2025 Rose Point Lane</u> City: <u>Kirkland</u> State: <u>WA</u> Zip: <u>98033</u> Phone: <u>(206) 795-3545</u> Fax: <u>(425) 828-4833</u> Email: <u>robert@pantley.com</u> Select Billing Contact: <input type="checkbox"/> APPLICANT <input type="checkbox"/> OWNER	Contact Person <input type="checkbox"/> ARCHITECT <input type="checkbox"/> ENGINEER <input type="checkbox"/> OTHER <u>SAME</u> Name: _____ Company Name: _____ Mailing Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Fax: _____ Email: _____

**AUTHORIZATION TO FILE SIGNATURE** (ALL PERSONS WITH AN OWNERSHIP INTEREST IN PROPERTY)

Property Owner    Individual authorized to sign on behalf of property owner

Name: Angela Reumann Address: 2025 Rose Point La Kirkland Phone: (425) 828-4663

Signature: [Signature] by Angela Reumann, the agent

Checklist Prepared By: Natural + Built Environments Date Prepared: 2/14/13

**ADDITIONAL PROJECT INFORMATION**

Project name and Description: Comp plan update with 1) sustainability focus 2) superior design implementation 3) SEPA threshold update

Proposed timing or phasing, and estimated completion date: For comp plan update

Do you have any plans for future additions, expansions or further activity related to or connected with this proposal?

If yes, explain: N/A

Do you know of any plans by others that may affect this site? If yes, explain? City wide

List other federal, state, or local permits, licenses, or approval required for this proposal: N/A

List any environmental information that has been prepared or will be prepared regarding this proposal: N/A



**CITY OF REDMOND**

**ENVIRONMENTAL CHECKLIST**

**Purpose of Checklist:**

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the City of Redmond identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

**Instructions for Applicants:**

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply" and indicate the reason why the question "does not apply". It is not adequate to submit responses such as "N/A" or "does not apply"; without providing a reason why the specific section does not relate or cause an impact. Complete answers to the questions now may avoid unnecessary delays later. If you need more space to write answers attach them and reference.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the City can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. When you submit this checklist the City may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

**Use of Checklist for Non project Proposals:**

Complete this checklist for non-project proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NON PROJECT ACTIONS (part D).

For non-project actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

	For Agency Use Only
Planner Name	<input type="text"/>
Date of Review	<input type="text"/>

To be completed by applicant	Evaluation for Agency Use only
<b>A. BACKGROUND</b>	
1. Name of proposed project, if applicable:  Comp plan update with: 1. Sustainability focus 2. Superior design implementation 3. SEPA threshold update	ok
2. Name of applicant:  Natural and Built Environments, LLC / Robert Pantley	ok
3. Address and phone number of applicant and Contact person:  2025 Rose Point Lane Kirkland, WA 98033  Robert Pantley (206) 795-3545	ok
4. Date checklist prepared:  1/28/2013	ok
5. Agency requesting checklist:  City of Redmond. Pete Sullivan.	ok
6. Give an accurate, brief description of the proposal's scope and nature: i. Acreage of the site: <u>N/A</u> ii. Number of dwelling units/ buildings to be constructed: <u>N/A</u> iii. Square footage of dwelling units/ buildings being added: <u>N/A</u> iv. Square footage of pavement being added: <u>N/A</u> v. Use or Principal Activity: <u>N/A</u> vi. Other information: <u>Comp plan update</u>	ok

To be completed by applicant	Evaluation for Agency Use only
7. Proposed timing or schedule (including phasing, if applicable):	ok-2012-13 Comprehensive Plan Docket
2013 Comprehensive Plan update. For sustainability, superior design implementation and SEPA threshold update. Site specific questions not applicable.	
8. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, explain	ok
N/A	
9. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.	ok
For sustainability, see attached LEED Platinum sample checklist.	
10. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, explain.	ok
N/A	

To be completed by applicant	Evaluation for Agency Use only
<p>11. List any government approvals or permits that will be needed for your proposal, if known.</p> <p>N/A</p> <p>12. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)</p> <p>N/A</p> <p>13. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.</p> <p>N/A</p>	<p>ok</p> <p>ok</p> <p>ok</p>

To be completed by applicant	Evaluation for Agency Use only
<p><b>B. ENVIRONMENTAL ELEMENTS</b></p> <p><b>1. Earth</b></p> <p>a. General description of the site (check one)</p> <p><input type="checkbox"/> Flat</p> <p><input type="checkbox"/> Rolling</p> <p><input type="checkbox"/> Hilly</p> <p><input type="checkbox"/> Steep slopes</p> <p><input type="checkbox"/> Mountainous</p> <p><input type="checkbox"/> Other</p> <p>N/A. This checklist is for sustainability, superior design implementation, and SEPA threshold update regarding comp plan update. City wide. Site specific questions are not applicable.</p> <p>b. What is the steepest slope on the site (approximate percent slope)? Describe location and areas of different topography.</p> <p>N/A</p> <p>c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, mulch)? If you know the classification of agricultural soils, specify them and note any prime farmland.</p> <p>N/A</p>	<p>ok</p> <p>ok</p> <p>ok</p> <p>↓ Part B Not required - Non-project Action.</p>

To be completed by applicant	Evaluation for Agency Use only
<p>d. Are there surface indications or history of unstable soils in the immediate vicinity? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, describe.</p> <p>N/A</p>	
<p>e. Describe the purpose, type, location and approximate quantities of any filling or grading proposed. Indicate source of fill.</p> <p>N/A</p>	
<p>f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.</p> <p>N/A</p>	
<p>g. About what percentage of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?</p> <p>N/A</p>	
<p>h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any.</p> <p>N/A</p>	

To be completed by applicant	Evaluation for Agency Use only
<p>i. Does the landfill or excavation involve over 100 cubic yards throughout the lifetime of the project?</p>	
N/A	
<p><b>2. Air</b></p>	
<p>a. What types of emissions to the air would result from the proposal (i.e. dust, automobile, odors, industrial wood smoke, and greenhouse gases) during construction and when the project is completed: If any, generally describe and give approximate quantities if known.</p>	
N/A	
<p>b. Are there any off-site sources of emissions or odor that may affect your proposal? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, generally describe.</p>	
N/A	
<p>c. Proposed measures to reduce or control emissions or other impacts to air, if any:</p>	
N/A	
<p><b>3. Water</b></p>	
<p>a. Surface</p>	
<p>1. Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe type, location and provide names. If appropriate, state what stream or river it flows into. Provide a sketch if not shown on site plans.</p>	

To be completed by applicant	Evaluation for Agency Use only
<p>N/A</p>	
<p>2. Will the project require any work over, in, or adjacent to (within 200 feet) the described waters: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please describe and attach available plans. Note approximate distance between surface waters and any construction, fill, etc..</p>	
<p>N/A</p>	
<p>3. Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material, if from on site.</p>	
<p>N/A</p>	
<p>4. Will the proposal require surface water withdrawals or diversions? <input type="checkbox"/> Yes <input type="checkbox"/> No Give general description, purpose, and approximate quantities if known.</p>	
<p>N/A</p>	
<p>5. Does the proposal lie within a 100-year floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, note location on the site plan.</p>	
<p>N/A</p>	

To be completed by applicant	Evaluation for Agency Use only
<p>6. Does the proposal involve any <b>discharge</b> of waste materials to surface waters? <input type="checkbox"/> Yes <input type="checkbox"/> No <b>If so, describe the type of waste and anticipated volume of discharge.</b></p> <p>N/A</p>	
<p>7. Is your property located within the Bear/ Evans Creek Watershed (see attached map)? <input type="checkbox"/> Yes <input type="checkbox"/> No. <b>If yes, answer questions 8 &amp; 9; if No, go to the next section.</b></p>	
<p>8. Provide details on how your propose to maximize infiltration of runoff to recharge associated stream during the summer months.</p> <p>N/A</p>	
<p>9. Does your project propose an increase in fecal coliform levels In surface water? If so, describe impacts.</p> <p>N/A</p>	

To be completed by applicant	Evaluation for Agency Use only
<p>b. Ground</p> <p>1. Will ground water be withdrawn, or will water be discharged to ground water? <input type="checkbox"/> Yes <input type="checkbox"/> No Give general description, purpose, and approximate quantities if known.</p> <p>N/A</p> <p>2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.) Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.</p> <p>N/A</p> <p>c. Water Runoff (including storm water):</p> <p>1. Describe the source(s) of runoff (including storm water) and method of collection, transport/conveyance, and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.</p> <p>N/A</p> <p>2. Could waste materials enter ground or surface waters? If so, generally describe.</p> <p>N/A</p>	

To be completed by applicant	Evaluation for Agency Use only
<p>d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:</p> <p>N/A</p>	
<p><b>4. Plants</b></p> <p>a. Check and select types of vegetation found on the site:</p> <p><input type="checkbox"/> Deciduous Tree: <input type="checkbox"/> Alder <input type="checkbox"/> Maple <input type="checkbox"/> Aspen <input type="checkbox"/> Other</p> <p><input type="checkbox"/> Evergreen Tree: <input type="checkbox"/> Cedar <input type="checkbox"/> Fir <input type="checkbox"/> Pine <input type="checkbox"/> Other</p> <p><input type="checkbox"/> Shrubs</p> <p><input type="checkbox"/> Grass</p> <p><input type="checkbox"/> Pasture</p> <p><input type="checkbox"/> Crop or Grain</p> <p><input type="checkbox"/> Wet soil plants: <input type="checkbox"/> Cattail <input type="checkbox"/> Buttercup <input type="checkbox"/> Bullrush  <input type="checkbox"/> Skunk cabbage <input type="checkbox"/> Other</p> <p><input type="checkbox"/> Water plants: <input type="checkbox"/> Water lily <input type="checkbox"/> Eelgrass <input type="checkbox"/> Milfoil <input type="checkbox"/> Other</p> <p><input type="checkbox"/> Other types of vegetation (please list)</p> <p>N/A</p> <p>b. What kind and amount of vegetation will be removed or altered?</p> <p>N/A</p>	

**To be completed by applicant**

**Evaluation for Agency Use only**

- c. Provide the number of significant and landmark trees located on the site and estimate the number **proposed to be removed** and saved in the table below:

Tree Type	Total (#)	Removed (#)	Saved (#)	Percentage saved (%)
Landmark (>30" dbh*)				
Significant (6" – 30" dbh*)				
Percentage (%)				

*Note: Since a SEPA Determination is issued early on in the project's review process; the information above is a preliminary estimate only and could change during the development review process.*

\* DBH – Diameter at breast height

- d. List threatened or endangered species known to be on or near the site.

N/A

- e. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

N/A

To be completed by applicant	Evaluation for Agency Use only
<p>5. <b>Animals</b></p> <p>a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site</p> <p><input type="checkbox"/> Birds: <input type="checkbox"/> Hawk <input type="checkbox"/> Heron <input type="checkbox"/> Eagle <input type="checkbox"/> Songbirds <input type="checkbox"/> Other</p> <p><input type="checkbox"/> Mammals: <input type="checkbox"/> Deer <input type="checkbox"/> Bear <input type="checkbox"/> Elk <input type="checkbox"/> Beaver <input type="checkbox"/> Other</p> <p><input type="checkbox"/> Fish: <input type="checkbox"/> Bass <input type="checkbox"/> Salmon <input type="checkbox"/> Trout <input type="checkbox"/> Herring</p> <p><input type="checkbox"/> Shellfish <input type="checkbox"/> Other</p> <p>b. List any threatened or endangered species known to be on or near the site</p> <p>N/A</p> <p>c. Is the site part of a migration route: <input type="checkbox"/> Yes <input type="checkbox"/> No If so, explain?</p> <p>N/A</p> <p>d. Proposed measures to preserve or enhance wildlife, if any:</p> <p>N/A</p>	
<p>6. <b>Energy and Natural Resources</b></p> <p>a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs: Describe whether it will be used for heating, manufacturing, etc.</p>	
<p>N/A. This checklist is for sustainability, superior design implementation, and SEPA threshold update regarding comp plan update. City wide. Site specific questions are not applicable.</p>	

To be completed by applicant	Evaluation for Agency Use only
<p>b. Would your project affect the potential use of solar energy by adjacent properties? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, generally describe.</p> <p>N/A</p> <p>c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:</p> <p>N/A</p>	
<p><b>7 Environmental Health</b></p> <p>a. Are there any environmental health hazards, including exposure to toxic chemicals, risk or fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? <input type="checkbox"/> Yes <input type="checkbox"/> No. If so, describe.</p> <p>N/A. For sustainability, superior design implementation, and SEPA threshold update regarding comp plan update. City wide. Site specific questions are not applicable.</p> <p>1. Describe special emergency services that might be required.</p> <p>N/A</p> <p>2. Proposed measures to reduce or control environmental health hazards, if any:</p> <p>N/A</p>	

To be completed by applicant	Evaluation for Agency Use only
<p>b. Noise</p> <p>1. What types of noise exist in the area which may affect your project (for example: traffic equipment, operation, other)?</p> <p>N/A</p> <p>2. What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.</p> <p>N/A</p> <p>3. Proposed measures to reduce or control noise impacts, if any:</p> <p>N/A</p>	
<p>c. Describe the potential use of the following:</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Flammable liquids</li> <li>2. <input type="checkbox"/> Combustible liquids</li> <li>3. <input type="checkbox"/> Flammable gases</li> <li>4. <input type="checkbox"/> Combustible or flammable fibers</li> <li>5. <input type="checkbox"/> Flammable solids</li> <li>6. <input type="checkbox"/> Unstable materials</li> <li>7. <input type="checkbox"/> Corrosives</li> <li>8. <input type="checkbox"/> Oxidizing materials</li> <li>9. <input type="checkbox"/> Organic peroxides</li> <li>10. <input type="checkbox"/> Nitromethane</li> <li>11. <input type="checkbox"/> Ammonium nitrate</li> <li>12. <input type="checkbox"/> Highly toxic material</li> </ol>	

To be completed by applicant	Evaluation for Agency Use only
<p>13. <input type="checkbox"/> Poisonous gas</p> <p>14. <input type="checkbox"/> Smokeless powder</p> <p>15. <input type="checkbox"/> Black sporting powder</p> <p>16. <input type="checkbox"/> Ammunition</p> <p>17. <input type="checkbox"/> Explosives</p> <p>18. <input type="checkbox"/> Cryogenics</p> <p>19. <input type="checkbox"/> Medical gas</p> <p>20. <input type="checkbox"/> Radioactive material</p> <p>21. <input type="checkbox"/> Biological material</p> <p>22. <input type="checkbox"/> High piled storage (over 12' in most cases)</p>	
<p><b>8. Land and Shoreline Use</b></p> <p>a. What is the current use of the site and adjacent properties?</p> <p>N/A. This checklist is for sustainability, superior design implementation, and SEPA threshold update regarding comp plan update. City wide. Site specific questions are not applicable.</p> <p>b. Has the site been used for agriculture? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, describe.</p> <p>N/A</p> <p>c. Describe any structures on the site.</p> <p>N/A</p>	

To be completed by applicant	Evaluation for Agency Use only
<p>d. Will any structures be demolished? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, what?</p> <p>N/a</p>	
<p>e. What is the current zoning classification of the site?</p> <p>Citywide</p> <p>Other _____</p>	
<p>f. What is the current comprehensive plan designation of the site?</p> <p>Citywide</p> <p>Other _____</p>	
<p>g. If applicable, what is the current shoreline master program designation of the site?</p> <p>Citywide</p> <p>Other _____</p>	
<p>h. Has any part of the site been classified as an "environmentally sensitive" area? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, specify. (If unsure check with City)</p> <p>N/A</p>	
<p>i. Approximately how many people would reside or work in the completed project.</p> <p>N/A</p>	
<p>j. Approximately how many people would the completed project displace?</p>	

To be completed by applicant	Evaluation for Agency Use only
N/A	
k. Proposed measures to avoid or reduce displacement impacts, if any:	
N/A	
l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:	
N/A	
m. What percentage of the building will be used for:	
<input type="checkbox"/> Warehousing	
<input type="checkbox"/> Manufacturing	
<input type="checkbox"/> Office	
<input type="checkbox"/> Retail	
<input type="checkbox"/> Service (specify)	
<input type="checkbox"/> Other (specify)	
<input type="checkbox"/> Residential	
n. What is the proposed I.B.C. construction type?	
N/A	
o. How many square feet are proposed (gross square footage including all floors, mezzanines, etc.)	
N/A	
p. How many square feet are available for future expansion (gross square footage including floors, mezzanines and additions).	

To be completed by applicant	Evaluation for Agency Use only
N/A	
<b>9. Housing</b>	
<p>a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.</p>	
<p>N/A. This checklist is for sustainability, superior design implementation, and SEPA threshold update regarding comp plan update. City wide. Site specific questions are not applicable.</p>	
<p>b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.</p>	
N/A	
<p>c. Proposed measures to reduce or control housing impacts, if any:</p>	
N/A	
<b>10. Aesthetics</b>	
<p>a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?</p>	
<p>N/A. For sustainability, superior design implementation, and SEPA threshold update regarding comp plan update. City wide. Site specific questions are not applicable.</p>	
<p>b. What views in the immediate vicinity would be altered or obstructed?</p>	
N/A	

To be completed by applicant	Evaluation for Agency Use only
<p>c. Proposed measures to reduce or control aesthetic impacts, if any:</p> <p>N/A</p>	
<p><b>11. Light and Glare</b></p> <p>a. What type of light or glare will the proposal produce: What time of day or night would it mainly occur:</p> <p>N/A</p> <p>b. Could light or glare from the finished project be a safety hazard or interfere with views:</p> <p>N/A</p> <p>c. What existing off-site sources of light or glare may affect your proposal?</p> <p>N/A</p> <p>d. Proposed measures to reduce or control light and glare impacts, if any:</p> <p>N/A</p>	
<p><b>12. Recreation</b></p> <p>a. What designated and informal recreational opportunities are in the immediate vicinity?</p>	

To be completed by applicant	Evaluation for Agency Use only
N/A	
<p>b. Would the proposed project displace any existing recreational uses? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, describe.</p>	
N/A	
<p>c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:</p>	
N/A	
<p><b>13. Historic and Cultural Preservation</b></p>	
<p>a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.</p>	
N/A	
<p>b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.</p>	
N/A	
<p>c. Proposed measures to reduce or control impacts, if any:</p>	
N/A	

To be completed by applicant	Evaluation for Agency Use only
<p><b>14. Transportation</b></p> <p>a. Identify public streets and highways service the site, and describe proposed access to the existing street system. Show on site plans, if any.</p> <p>N/A. For sustainability, superior design implementation, and SEPA threshold update regarding comp plan update. City wide. Site specific questions are not applicable.</p> <p>b. Is site currently served by public transit? <input type="checkbox"/> Yes <input type="checkbox"/> No If not, what is the approximate distance to the nearest transit stop.</p> <p>N/A</p> <p>c. How many parking spaces would the completed project have? How many would the project eliminate?</p> <p>N/A</p> <p>d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).</p> <p>N/A</p> <p>e. How many weekday vehicular trips (one way) per day would be generated by the completed project? _____  If known, indicate when peak volumes would occur. _____ - _____ a.m. &amp; - _____ p.m. How many of these trips occur in the a.m. peak hours? _____ How many of these trips occur in the p.m. peak hours? _____</p> <p>N/A</p>	

To be completed by applicant	Evaluation for Agency Use only
<p>f. Proposed measures to reduce or control transportation impacts, if any.</p> <p>N/A</p> <p><b>15. Public Services</b></p> <p>a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? <input type="checkbox"/> Yes <input type="checkbox"/> No. If so, generally describe.</p> <p>N/A. For sustainability, superior design implementation, and SEPA threshold update regarding comp plan update. City wide. Site specific questions are not applicable.</p> <p>b. Proposed measures to reduce or control direct impacts on public services, if any.</p> <p>N/A</p> <p><b>16. Utilities</b></p> <p>a. Select utilities currently available at the site:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Electricity</li> <li><input type="checkbox"/> Natural gas</li> <li><input type="checkbox"/> Water</li> <li><input type="checkbox"/> Refuse service</li> <li><input type="checkbox"/> Telephone</li> <li><input type="checkbox"/> Sanitary Sewer</li> <li><input type="checkbox"/> Septic System</li> </ul>	

To be completed by applicant	Evaluation for Agency Use only
<p><input type="checkbox"/> Other</p> <p>b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.</p>	

**C. SIGNATURE**

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Natural Build Environments, LLC  
*by Robert Bentley, EITC Manager*

Date Submitted: 1/28/2013

Relationship of signer to project: Applicant  
*comp plan update*

To be completed by applicant

Evaluation for Agency Use only

D. **SUPPLEMENTAL SHEET FOR NON-PROJECT ACTIONS**

*(DO NOT USE THIS SHEET FOR PROJECT ACTIONS)*

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise:

Sustainability measures will decrease toxic and hazardous substances including VOCs. Reduced pressure on sewer and stormwater. Reduction of production of emissions.

Proposed measures to avoid or reduce such increases are:

See LEED Checklist for details.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Superior sustainability measures will reduce stormwater runoff. See LEED Checklist for details.

Proposed measures to protect or conserve plants, animals, fish or marine life are:

Low flow shower heads, Ultra High Efficiency Toilets, aerated sinks will cut water use by 70% or more, reducing pressure on sewer systems. See USGBC and Living Building Challenge (ILFI) websites for more information.

ok -  
proposal does not include policy or regulatory changes.  
Comprehensive Plan sustainability principles already support techniques described  
ok by applicant in Part D, but future project proposals would need to meet minimum development standards, Page 25 of 27 and other Zoning, Building and Fire Codes.

To be completed by applicant	Evaluation for Agency Use only
<p>3. How would the proposal be likely to deplete energy or natural resources?</p> <p>Proposed sustainability measures will use less energy and natural resources than standard.</p> <p>Proposed measures to protect or conserve energy and natural resources are:</p> <p>Solar hot water, solar hydronic heat, solar PV. See USGBC and ILFI websites for more information.</p>	<p>ok (see above)</p>
<p>4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands:</p> <p>Measures will be in support of environmentally sensitive areas.</p> <p>Proposed measures to protect such resources or to avoid or reduce impacts are:</p> <p>Reduction of energy and water use, natural resources. Fewer resources wasted; improved recycling standards. See attached LEED Checklist.</p>	<p>ok (see above)</p>
<p>5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?</p> <p>Improve land and shoreline uses that protect our natural spaces.</p>	<p>ok (see above)</p>

To be completed by applicant	Evaluation for Agency Use only
<p>Proposed measures to avoid or reduce shoreline and land use impacts are:</p> <p>Example: Soft shorelines to replace bulkheads over time.</p> <p>6. How would the proposal be likely to increase transportation or public services and utilities?</p> <p>TMP encourages walkability, reduction in per person impact on transportation. Improved water and energy efficiency reduces impact on public services and utilities.</p> <p>Proposed measures to reduce or respond to such demand(s) are:</p> <p>Tightly sealed buildings, efficient appliances, etc. See LEED Checklist for more details.</p> <p>7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.</p> <p>Proposal in line with local, state, and federal laws. In support of environmental protection beyond standard.</p>	<p>ok (see above)</p> <p>ok (see above)</p>



for Homes

# LEED for Homes Project Checklist

Builder Name:
Project Team Leader:
Home Address (Street/City/State):

**Project Description**

Building Type:  
# of Bedrooms: 0

Project type:  
Floor Area: 0

**Adjusted Certification Thresholds**

Certified: 45.0 Gold: 75.0  
Silver: 60.0 Platinum: 90.0

<b>Project Point Total</b>		<b>Final Credit Category Point Totals</b>			
Prelim: 0 + 0 maybe pts	Final: 0	ID: 0	SS: 0	EA: 0	EQ: 0
<b>Certification Level</b>		LL: 0	WE: 0	MR: 0	AE: 0
Prelim: Not Certified	Final: Not Certified	Minimum Point Thresholds Not Met for Prelim OR Final Rating			
Date Most Recently Updated:		Updated by:			

	Max Pts. Available	Preliminary Rating		Notes	Project Points
		Y / Pts	Maybe No		
<b>Innovation &amp; Design Process (ID)</b> (Minimum 0 ID Points Required)	<b>Max: 11</b>	<b>Y:0</b>	<b>M:0</b>		<b>Final: 0</b>
<b>1. Integrated Project Planning</b>					
1.1 Preliminary Rating		Prereq.			
Target performance tier: <input type="text"/>					
1.2 Integrated Project Team (meet all of the following)	1	0	0		0
<input type="checkbox"/> a) Individuals or organizations with necessary capabilities				<input type="checkbox"/> c) Regular meetings held with project team	
<input type="checkbox"/> b) All team members involved in various project phases					
1.3 Professional Credentialed with Respect to LEED for Homes	1	0	0	please see ID 01-06 for details	0
1.4 Design Charrette	1	0	0		0
1.5 Building Orientation for Solar Design (meet all of the following)	1	0	0		0
<input type="checkbox"/> a) Glazing area on north/south walls 50% greater than on east/west walls				<input type="checkbox"/> c) At least 450 sq. ft. of south-facing roof area, oriented for solar applications	
<input type="checkbox"/> b) East-west axis is within 15 degrees of due east-west				<input type="checkbox"/> d) 90% of south-facing glazing is shaded in summer, unshaded in winter	
<b>2. Quality Management for Durability</b>					
2.1 Durability Planning (meet all of the following)		Prereq.			
<input type="checkbox"/> a) Durability evaluation completed				<input type="checkbox"/> d) Durability strategies incorporated into project documentation	
<input type="checkbox"/> b) Strategies developed to address durability issues				<input type="checkbox"/> e) Durability measures listed in durability inspection checklist	
<input type="checkbox"/> c) Moisture control measures from Table 1 incorporated					
2.2 Durability Management (meet one of the following)		Prereq.			
<input type="checkbox"/> Builder has a quality management process in place				<input type="checkbox"/> Builder conducted inspection using durability inspection checklist	
2.3 Third-Party Durability Management Verification	3	0	0		0

3. Innovative or Regional Design							
3.1	≤ Innovation 1 (ruling #):		1	0	0		0
3.2	≤ Innovation 2 (ruling #):		1	0	0		0
3.3	≤ Innovation 3 (ruling #):		1	0	0		0
3.4	≤ Innovation 4 (ruling #):		1	0	0		0
<b>Location &amp; Linkages (LL)</b> (Minimum 0 LL Points Required)			<b>Max: 10</b>	<b>Y:0</b>	<b>M:0</b>	<b>Notes</b>	<b>Final: 0</b>
<b>1. LEED for Neighborhood Development</b>							
1	LEED for Neighborhood Development		10	0	0		0
<b>2. Site Selection</b>							
2	≤ Site Selection ( <i>meet all of the following</i> )		2	0	0		0
	<input type="checkbox"/> a) Built above 100-year floodplain defined by FEMA					<input type="checkbox"/> d) Not built on land that was public parkland prior to acquisition	
	<input type="checkbox"/> b) Not built on habitat for threatened or endangered species					<input type="checkbox"/> e) Not built on land with prime soils, unique soils, or soils of state significance	
	<input type="checkbox"/> c) Not built within 100 ft of water, including wetlands						
<b>3. Preferred Locations</b>							
3.1	Edge Development		1	0	0		0
OR	3.2	Infill	2	0	0		0
AND/OR	3.3	Previously Developed	1	0	0		0
<b>4. Infrastructure</b>							
4	Existing Infrastructure		1	0	0		0
<b>5. Community Resources / Transit</b>							
5.1	Basic Community Resources / Transit ( <i>meet one of the following</i> )		1	0	0		0
	<input type="checkbox"/> a) Within 1/4 mile of 4 basic community resources					<input type="checkbox"/> c) Within 1/2 mile of transit services providing 30 rides per weekday	
	<input type="checkbox"/> b) Within 1/2 mile of 7 basic community resources						
OR	5.2	Extensive Community Resources / Transit ( <i>meet one of the following</i> )	2	0	0		0
	<input type="checkbox"/> a) Within 1/4 mile of 7 basic community resources					<input type="checkbox"/> c) Within 1/2 mile of transit services providing 60 rides per weekday	
	<input type="checkbox"/> b) Within 1/2 mile of 11 basic community resources						
OR	5.3	Outstanding Community Resources / Transit ( <i>meet one of the following</i> )	3	0	0		0
	<input type="checkbox"/> a) Within 1/4 mile of 11 basic community resources					<input type="checkbox"/> c) Within 1/2 mile of transit services providing 125 rides per weekday	
	<input type="checkbox"/> b) Within 1/2 mile of 14 basic community resources						
<b>6. Access to Open Space</b>							
6	Access to Open Space		1	0	0		0

Sustainable Sites (SS) (Minimum 5 SS Points Required)		Max: 22	Y: 0	M: 0	Notes	Final: 0
<b>1. Site Stewardship</b>						
1.1	Erosion Controls During Construction ( <i>meet all of the following</i> )				Prereq.	
	<input type="checkbox"/> a) Stockpile and protect disturbed topsoil from erosion.				<input type="checkbox"/> d) Provide swales to divert surface water from hillsides	
	<input type="checkbox"/> b) Control the path and velocity of runoff with silt fencing or equivalent.				<input type="checkbox"/> e) Use tiers, erosion blankets, compost blankets, etc. on sloped areas.	
	<input type="checkbox"/> c) Protect sewer inlets, streams, and lakes with straw bales, silt fencing, etc.					
1.2	Minimize Disturbed Area of Site ( <i>meet the appropriate requirements</i> )	1	0	0		0
	Where the site is not previously developed, meet all the following:					
	<input type="checkbox"/> a) Develop tree / plant preservation plan with "no-disturbance" zones					
	<input type="checkbox"/> b) Leave 40% of buildable lot area, not including area under roof, undisturbed					
	OR Where the site is previously developed, meet all the following:					
	<input type="checkbox"/> c) Develop tree / plant preservation plan with "no-disturbance" zones AND					
	<input type="checkbox"/> Rehabilitate lot; undo soil compaction and remove invasive plants AND					
	<input type="checkbox"/> Meet the requirements of SS 2.2					
	OR <input type="checkbox"/> d) Build on a lot of 1/7 acre or less, or 7 units per acre.					
<b>2. Landscaping</b>						
2.1	<input checked="" type="checkbox"/> No Invasive Plants				Prereq.	
2.2	<input checked="" type="checkbox"/> Basic Landscaping Design ( <i>meet all of the following</i> )	2	0	0		0
	<input type="checkbox"/> a) Any turf must be drought-tolerant.				<input type="checkbox"/> d) Add mulch or soil amendments as appropriate.	
	<input type="checkbox"/> b) Do not use turf in densely shaded areas.				<input type="checkbox"/> e) All compacted soil must be tilled to at least 6 inches.	
	<input type="checkbox"/> c) Do not use turf in areas with slope of 25%					
AND/OR	2.3 <input checked="" type="checkbox"/> Limit Conventional Turf	3	0	0		0
	<input type="text"/> Percentage of designed landscape softscape area that is turf					
AND/OR	2.4 <input checked="" type="checkbox"/> Drought-Tolerant Plants	2	0	0		0
	<input type="text"/> Percentage of installed plants that are drought-tolerant					
OR	2.5 <input checked="" type="checkbox"/> Reduce Overall Irrigation Demand by at Least 20%	6	0	0		0
	<input type="text"/> Percentage reduction in estimated irrigation water demand				(calculate)	
<b>3. Reduce Local Heat Island Effects</b>						
3	<input checked="" type="checkbox"/> Reduce Local Heat Island Effects ( <i>meet one of the following</i> )	1	0	0		0
	<input type="checkbox"/> a) Locate trees / plantings to provide shade for 50% of hardscapes				<input type="checkbox"/> b) Install light-colored, high-albedo materials for 50% of sidewalks, patios, and driveways	

<b>4. Surface Water Management</b>			
4.1	Permeable Lot	4	0 0 0
	<input type="checkbox"/> vegetative landscape		
	<input type="checkbox"/> permeable paving		
	<input type="checkbox"/> impermeable surfaces directed to infiltration features		
	<input type="checkbox"/> other impermeable surfaces (areas not counted towards credit)		
4.2	Permanent Erosion Controls (meet one of the following)	1	0 0 0
	<input type="checkbox"/> a) For portions of lot on steep slope, use terracing and retaining walls		
	<input type="checkbox"/> b) Plant trees, shrubs, or groundcover		
4.3	Management of Runoff from Roof (meet any, see Rating System for pts)	2	0 0 0
	<input type="checkbox"/> a) Install permanent stormwater controls to manage runoff from the home		
	<input type="checkbox"/> b) Install vegetated roof to cover 50% of roof area		
	<input type="checkbox"/> c) Install vegetated roof to cover 100% of roof area		
	<input type="checkbox"/> d) Have lot designed by professional to manage runoff from home on-site		
<b>5. Nontoxic Pest Control</b>			
5	Pest Control Alternatives (meet any of the following, 1/2 pt each)	2	0 0 0
	<input type="checkbox"/> a) Keep all exterior wood at least 12" above soil		
	<input type="checkbox"/> b) Seal external cracks, joints, etc. with caulking and install pest-proof screens		
	<input type="checkbox"/> c) Include no wood-to-concrete connections, or separate connections with dividers		
	<input type="checkbox"/> d) Install landscaping so mature plants are 24" from home		
	e) In 'moderate' to 'very heavy' termite risk areas:		
	<input type="checkbox"/> i) Treat all cellulosic material with borate product to 3' above foundation		
	<input type="checkbox"/> ii) Install sand or diatomaceous earth barrier		
	<input type="checkbox"/> iii) Install steel mesh barrier termite control system		
	<input type="checkbox"/> iv) Install non-toxic termite bait system		
	<input type="checkbox"/> v) Use noncellulosic wall structure		
	<input type="checkbox"/> vi) Use solid concrete foundation walls or pest-proof masonry wall design		
<b>6. Compact Development</b>			
6.1	Moderate Density	2	0 0 0
	<input type="checkbox"/> # of total units on the lot <input type="checkbox"/> lot size (acres) <input type="checkbox"/> N/A density (units/acre)		
OR	6.2 High Density	3	0 0 0
OR	6.3 Very High Density	4	0 0 0
<b>Water Efficiency (WE)</b> (Minimum 3 WE Points Required)		<b>Max: 15</b>	<b>Y:0 M:0</b>
		<b>Notes</b>	
		<b>Final: 0</b>	
<b>1. Water Reuse</b>			
1.1	Rainwater Harvesting System	4	0 0 0
	<input type="checkbox"/> Percentage of roof area used for harvesting		
	<input type="checkbox"/> Application		
AND/OR	1.2 Graywater Reuse System	1	0 0 0
OR	1.3 Use of Municipal Recycled Water System	3	0 0 0

<b>2. Irrigation System</b>			
2.1	<input checked="" type="checkbox"/> High-Efficiency Irrigation System (meet any of the following, 1 pt each)	3	0 0 0
	<input type="checkbox"/> a) Irrigation system designed by EPA Water Sense certified professional <input type="checkbox"/> b) Irrigation system with head-to-head coverage <input type="checkbox"/> c) Install central shut-off valve <input type="checkbox"/> d) Install submeter for the irrigation system <input type="checkbox"/> e) Use drip irrigation for 50% of planting beds <input type="checkbox"/> f) Create separate zones for each type of bedding		<input type="checkbox"/> g) Install timer or controller for each watering zone <input type="checkbox"/> h) Install pressure-regulating devices <input type="checkbox"/> i) High-efficiency nozzles with distribution uniformity of at least 0.70. <input type="checkbox"/> j) Install check valves in heads <input type="checkbox"/> k) Install moisture sensor or rain delay controller
AND/OR	2.2 Third-party Inspection	1	0 0 0
OR	2.3 <input checked="" type="checkbox"/> Reduce Overall Irrigation Demand by at Least 45%	4	0 0 0
	<input type="text"/> Percentage reduction in estimated irrigation water demand		(calculate)
<b>3. Indoor Water Use</b>			
3.1	High-Efficiency Fixtures and Fittings (meet any of the following, 1 pt each)	3	0 0 0
	<input type="checkbox"/> a) Average flow rate of lavatory faucets is ≤ 2.00 gpm <input type="checkbox"/> b) Average flow rate for all showers is ≤ 2.00 gpm per stall		<input type="checkbox"/> c) Average flow rate for all toilets is ≤ 1.30 gpf; OR <input type="checkbox"/> Toilets are dual-flush; OR <input type="checkbox"/> Toilets meet the EPA Water Sense specification
3.2	Very High-Efficiency Fixtures and Fittings (meet any, 2 pts each)	6	0 0 0
	<input type="checkbox"/> a) Average flow rate of lavatory faucets is ≤ 1.50 gpm; OR <input type="checkbox"/> Lavatory faucets meet the EPA Water Sense specification		<input type="checkbox"/> b) Average flow rate for all showers ≤ 1.75 gpm per stall <input type="checkbox"/> c) Average flow rate for all toilets is ≤ 1.10 gpf
<b>Energy &amp; Atmosphere (EA)</b> (Minimum 0 EA Points Required)		<b>Max: 38</b>	<b>Y:0 M:0</b>
			<b>Notes</b>
			<b>Final: 0</b>
<b>1. Optimize Energy Performance</b>			
1.1	Performance of ENERGY STAR for Homes		Prereq.
1.2	Exceptional Energy Performance	34	0 0 0
	<input type="text"/> IECC climate zone		<input type="text"/> HERS Index
<b>7. Water Heating</b>			
7.1	<input checked="" type="checkbox"/> Efficient Hot Water Distribution System (meet one of the following)	2	0 0 0
	<input type="checkbox"/> a) Structured plumbing system <input type="checkbox"/> b) Central manifold distribution system		<input type="checkbox"/> c) Compact design of conventional system
7.2	Pipe Insulation	1	0 0 0
<b>11. Residential Refrigerant Management</b>			
11.1	Refrigerant Charge Test		Prereq.
11.2	Appropriate HVAC Refrigerants (meet one of the following)	1	0 0 0
	<input type="checkbox"/> a) Use no refrigerants <input type="checkbox"/> b) Use non-HCFC refrigerants		<input type="checkbox"/> c) Use refrigerants that complies with global warming potential equation

**Materials & Resources (MR)** (Minimum 2 MR Points Required)

**Max: 16 Y:0 M:0**

**Notes**

**Final: 0**

**1. Material-Efficient Framing**

1.1	Framing Order Waste Factor	<i>Prereq.</i>			
1.2	Detailed Framing Documents	1	0	0	0
AND/OR	1.3 Detailed Cut List and Lumber Order	1	0	0	0
	<input type="checkbox"/> Requirements of MR 1.2 have been met				<input type="checkbox"/> Detailed cut list and lumber order corresponding to framing plans or scopes
AND/OR	1.4 Framing Efficiencies ( <i>meet any of the following, see Rating System for pts</i> )	3	0	0	0
	<input type="checkbox"/> Precut framing packages				<input type="checkbox"/> Stud spacing greater than 16" on center
	<input type="checkbox"/> Open-web floor trusses				<input type="checkbox"/> Ceiling joist spacing greater than 16" on center
	<input type="checkbox"/> Structural insulated panel walls				<input type="checkbox"/> Floor joist spacing greater than 16" on center
	<input type="checkbox"/> Structural insulated panel roof				<input type="checkbox"/> Roof rafter spacing greater than 16" on center
	<input type="checkbox"/> Structural insulated panel floors				<input type="checkbox"/> Two of the following: Size headers for loads; ladder blocking; drywall clips; 2-stud corners
OR	1.5 Off-site Fabrication ( <i>meet one of the following</i> )	4	0	0	0
	<input type="checkbox"/> a) Panelized construction				<input type="checkbox"/> b) Modular, prefabricated construction

**2. Environmentally Preferable Products**

2.1	FSC Certified Tropical Wood ( <i>meet all of the following</i> )		<i>Prereq.</i>		
	<input type="checkbox"/> a) Provide suppliers with a notice of preference for FSC products; AND		<input type="checkbox"/> b) No tropical wood installed (exceptions for FSC-certified or reclaimed wood)		
	<input type="checkbox"/> Request country of manufacture for each wood product				
2.2	Environmentally Preferable Products ( <i>meet any, 1/2 pt each</i> )		8	0	0
	<b>Assembly : component</b>	<b>(a) EPP</b>	<b>(b) Low emission</b>	<b>(c) Local production</b>	
	Exterior wall: framing	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Exterior wall: siding or masonry	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Floor: flooring	<input type="checkbox"/> (45%) type: _____	<input type="checkbox"/> 90% hard flooring	<input type="checkbox"/> (45%)	
	Floor: flooring	<input type="checkbox"/> (90%) type: _____	<input type="checkbox"/> SCS FloorScore	<input type="checkbox"/> (90%)	
	Floor: flooring		<input type="checkbox"/> Green Label Plus		
	Floor: framing	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Foundation: aggregate	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Foundation: cement	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Interior wall: framing	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Interior wall, ceiling: gypsum board	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Interior wall, ceiling, millwork: paint	<input type="checkbox"/> type: _____	<input type="checkbox"/> type: _____		
	Landscape: decking and patio	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Other: cabinet	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Other: counter	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Other: door	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Other: interior trim	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Other: adhesive, sealant		<input type="checkbox"/> type: _____		
	Other: window frame	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Roof: framing	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Roof: roofing	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Roof, floor, wall: cavity insulation	<input type="checkbox"/> type: _____	<input type="checkbox"/> type: _____	<input type="checkbox"/>	
	Roof, floor, wall (2 of 3): sheathing	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Other: water supply piping	<input type="checkbox"/> type: _____		<input type="checkbox"/>	
	Other: driveway	<input type="checkbox"/> type: _____		<input type="checkbox"/>	

<b>3. Waste Management</b>				
3.1 Construction Waste Management Planning (meet both of the following)	Prereq.			
<input type="checkbox"/> a) Investigate local options for waste diversion		<input type="checkbox"/> b) Document diversion rate for construction waste		
3.2 Construction Waste Reduction (use one of the following methods)	3	0	0	0
<input type="text"/> a) pounds waste / square foot				
<input type="text"/> cubic yards waste / 1,000 square feet				
<input type="text"/> b) percentage of waste diverted				
<b>Indoor Environmental Quality (EQ) (Minimum 6 EQ Points Required)</b>				
		<b>Max: 21</b>	<b>Y:0</b>	<b>M:0</b>
			<b>Notes</b>	<b>Final: 0</b>
<b>1. ENERGY STAR with Indoor Air Package</b>				
1 ENERGY STAR with Indoor Air Package	13	0	0	0
<b>2. Combustion Venting</b>				
2.1 Basic Combustion Venting Measures (meet all of the following)	Prereq.			
<input type="checkbox"/> a) no unvented combustion appliances		<input type="checkbox"/> d) space, water heating equipment designed with closed combustion; OR		
<input type="checkbox"/> b) carbon monoxide monitors on each floor (of each unit, if applicable)		<input type="checkbox"/> space and water heating equipment has power-vented exhaust; OR		
<input type="checkbox"/> c) no fireplace installed, OR		<input type="checkbox"/> space and water heating equipment located in detached or open-air facility; OR		
<input type="checkbox"/> all fireplaces and woodstoves have doors		<input type="checkbox"/> no space- or water-heating equipment with combustion		
2.2 Enhanced Combustion Venting Measures (meet one of the following)	2	0	0	0
<i>Type of Fireplace or stove</i>	<i>Better practice (1 pt)</i>	<i>Best practice (2 pts) (must also meet Better Practice)</i>		
None		<input type="checkbox"/> granted automatically		
Masonry wood-burning fireplace	<input type="checkbox"/> masonry heater	<input type="checkbox"/> back-draft potential test		
Factory-built wood-burning fireplace	<input type="checkbox"/> listed by testing lab and meets EPA standards	<input type="checkbox"/> back-draft potential test		
Woodstove and fireplace insert	<input type="checkbox"/> listed by testing lab and meets EPA standards	<input type="checkbox"/> back-draft potential test		
Natural gas, propane, or alcohol stove	<input type="checkbox"/> listed, power- or direct-vented, fixed doors	<input type="checkbox"/> electronic pilot		
Pellet stove	<input type="checkbox"/> EPA certified or meets safety requirements	<input type="checkbox"/> power- or direct-venting		
<b>3. Moisture Control</b>				
3 Moisture Load Control (meet one of the following)	1	0	0	0
<input type="checkbox"/> a) Additional dehumidification system		<input type="checkbox"/> b) Central HVAC system equipped with additional dehumidification mode		
<b>4. Outdoor Air Ventilation</b>				
4.1 Basic Outdoor Air Ventilation (meet one of the following)	Prereq.			
<input type="checkbox"/> a) Qualifies under ASHRAE Std. 62.2-2007 climate exemption.		<input type="checkbox"/> c) Intermittent ventilation		
<input type="checkbox"/> b) Continuous ventilation		<input type="checkbox"/> d) Passive ventilation		
4.2 Enhanced Outdoor Air Ventilation (meet one of the following)	2	0	0	0
<input type="checkbox"/> a) Meets EQ 4.1 part (a), active ventilation system installed		<input type="checkbox"/> b) Install heat recovery system		
4.3 Third-Party Performance Testing	1	0	0	0

<b>5. Local Exhaust</b>				
5.1	<input checked="" type="checkbox"/> Basic Local Exhaust (meet all of the following)	Prereq.		
	<input type="checkbox"/> a) Bathroom and kitchen exhaust meets ASHRAE Std. 62.2 air flow requirement	<input type="checkbox"/> c) Air exhausted to outdoors		
	<input type="checkbox"/> b) Fans and ducts designed and installed to ASHRAE Std. 62.2	<input type="checkbox"/> d) ENERGY STAR labeled bathroom exhaust fans		
5.2	Enhanced Local Exhaust (meet one of the following)	1	0	0
	<input type="checkbox"/> a) Occupancy sensor	<input type="checkbox"/> c) Automatic timer tied to switch to operate fan for 20+ minutes post-occupancy		
	<input type="checkbox"/> b) Automatic humidistat controller	<input type="checkbox"/> d) Continuously operating exhaust fan		
5.3	Third-Party Performance Testing	1	0	0
<b>6. Distribution of Space Heating and Cooling</b>				
6.1	<input checked="" type="checkbox"/> Room-by-Room Load Calculations	Prereq.		
6.2	Return Air Flow / Room-by-Room Controls (meet one of the following)	1	0	0
	A. Forced-Air Systems	B. Nonducted HVAC Systems		
	<input type="checkbox"/> a) Return air opening of 1 sq. inch per cfm of supply	<input type="checkbox"/> Flow control valves on every radiator; OR		
	<input type="checkbox"/> b) Limited pressure differential between closed room and adjacent spaces	<input type="checkbox"/> Radiant floor system with thermostatic controls in every room		
6.3	Third-Party Performance Test / Multiple Zones (meet one of the following)	2	0	0
	A. Forced-Air Systems	B. Nonducted HVAC Systems		
	<input type="checkbox"/> Have supply air flow rates in each room tested and confirmed	<input type="checkbox"/> Install at least two distinct zones with independent thermostat control		
<b>7. Air Filtering</b>				
7.1	Good Filters	Prereq.		
7.2	Better Filters	1	0	0
OR 7.3	Best Filters	2	0	0
<b>8. Contaminant Control</b>				
8.1	<input checked="" type="checkbox"/> Indoor Contaminant Control during Construction	1	0	0
8.2	Indoor Contaminant Control (meet any of the following, 1 pt each)	2	0	0
	<input type="checkbox"/> a) Design and install permanent walk-off mats at each entry	<input type="checkbox"/> c) Install central vacuum system with exhaust to outdoors		
	<input type="checkbox"/> b) Design shoe removal and storage space near primary entryway			
8.3	<input checked="" type="checkbox"/> Preoccupancy Flush	1	0	0
<b>9. Radon Protection</b>				
9.1	<input checked="" type="checkbox"/> Radon-Resistant Construction in High-Risk Areas	Prereq.		
9.2	<input checked="" type="checkbox"/> Radon-Resistant Construction in Moderate-Risk Areas	1	0	0

10. Garage Pollutant Protection						
10.1	No HVAC in Garage	Prereq.				
10.2	Minimize Pollutants from Garage (meet all of the following)	2	0	0		0
	a) In conditioned spaces above garage:					
	<input type="checkbox"/> Seal all penetrations and connecting floor and ceiling joist bays					
	b) In conditioned spaces next to garage					
	<input type="checkbox"/> Weather-strip all doors					
	<input type="checkbox"/> Carbon monoxide detectors in rooms that share a door with garage					
	<input type="checkbox"/> Seal all penetrations and cracks at the base of walls					
AND/OR	10.3 Exhaust Fan in Garage (meet one of the following)	1	0	0		0
	<input type="checkbox"/> a) Fan runs continuously					
	<input type="checkbox"/> b) Fan designed with automatic timer control					
OR	10.4 Detached Garage or No Garage	3	0	0		0
<b>Awareness &amp; Education (AE)</b> (Minimum 0 AE Points Required)		<b>Max: 3</b>	<b>Y:0</b>	<b>M:0</b>	<b>Notes</b>	<b>Final: 0</b>
<b>1. Education of the Homeowner or Tenant</b>						
1.1	<del>Basic Operations Training</del> (meet both of the following)	Prereq.				
	<input type="checkbox"/> a) Operations and training manual					
	<input type="checkbox"/> b) One-hour walkthrough with occupant(s)					
1.2	<del>Enhanced Training</del>	1	0	0		0
1.3	<del>Public Awareness</del> (meet three of the following)	1	0	0		0
	<input type="checkbox"/> a) Open house on at least four weekends					
	<input type="checkbox"/> b) Website about features and benefits of LEED homes					
	<input type="checkbox"/> c) Newspaper article on the project					
	<input type="checkbox"/> d) Display LEED signage on the exterior of the home					
<b>2. Education of the Building Manager</b>						
2	<del>Education of the Building Manager</del> (meet both of the following)	1	0	0		0
	<input type="checkbox"/> a) Operations and training manual					
	<input type="checkbox"/> b) One-hour walkthrough with building manager					

**USGBC LEGAL DISCLAIMER**

USGBC makes no warranty with respect to any LEED certified project, including any warranty of habitability, merchantability, or fitness for a particular purpose. There are no warranties, express or implied, written or oral, statutory or otherwise, with respect to the certifications provided by USGBC. By way of example only, and without limiting the broad scope of the foregoing, it is understood that LEED certification, whether at the Certified level or any other level, does not mean that the project is structurally sound or safe, constructed in accordance with applicable laws, regulations or codes, free of mold or mildew, free of volatile organic compounds or allergens, or free of soil gases including radon.

**SIGNATURES BY RESPONSIBLE PARTIES**

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been met for the indicated credits and will, if audited, provide the necessary supporting documents.

Project Team Leader   
Signature

Company   
Date

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the required inspections and performance testing for the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been completed. I have evaluated this project's documentation package and conducted the necessary QA/QC procedures with the Green Rater, and I hereby declare and affirm to USGBC that the homes included in this submittal are ready to earn LEED for Homes certification, as per the attached checklist.

Provider QAD   
Signature

Company   
Date

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the required inspections and performance testing for the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been completed.

I also hereby confirm that all verification services were performed in accordance with the LEED for Homes Verification & Submittal Guidelines and Addendum.

Green Rater   
Signature

Company   
Date

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the required inspections and performance testing for the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been completed.

I also hereby confirm that all verification services were performed in accordance with the LEED for Homes Verification & Submittal Guidelines and Addendum.

Green Rater   
Signature

Company   
Date

## LEED for Homes Project Checklist

### Addendum: Prescriptive Approach for Energy and Atmosphere (EA) Credits

Points cannot be earned in both the Prescriptive (below) and the Performance paths of the EA section.

**Max Pts. Available**    **Preliminary Rating**  
 Y / Pts    Maybe    No

**Notes**

**Project Points**

<b>Energy &amp; Atmosphere (EA)</b> (Minimum 0 EA Points Required)	<b>Max: 38</b>	<b>Y:0</b>	<b>M:0</b>	<b>Notes</b>	<b>Final: 0</b>
<b>2. Insulation</b>					
2.1 Basic Insulation (meet both of the following)	<i>Prereq.</i>				
<input type="checkbox"/> a) Insulation meets R-value requirements of IECC	<input type="checkbox"/> b) Insulation meets HERS Grade II specifications for installation				
2.2 Enhanced Insulation (meet both of the following)	<b>2</b>	<b>0</b>	<b>0</b>		<b>0</b>
<input type="checkbox"/> a) Insulation exceeds R-value requirements of IECC by 5%	<input type="checkbox"/> b) Insulation meets HERS Grade I specifications for installation				
<b>3. Air Infiltration</b>					
3.1 Reduced Envelope Leakage	<i>Prereq.</i>				
<input style="width: 50px; height: 15px; border: 1px solid black;" type="text"/> Air leakage rate in ACH50					
3.2 Greatly Reduced Envelope Leakage	<b>2</b>	<b>0</b>	<b>0</b>		<b>0</b>
OR 3.3 Minimal Envelope Leakage	<b>3</b>	<b>0</b>	<b>0</b>		<b>0</b>
<b>4. Windows</b>					
4.1 Good Windows (meet all of the following)	<i>Prereq.</i>				
<input type="checkbox"/> a) Windows and glass doors meet ENERGY STAR BOP window specifications	<input type="checkbox"/> b) Skylight glazing area is ≤ 3% of floor area AND				
	<input type="checkbox"/> Skylights meet ENERGY STAR requirements for skylights				
4.2 Enhanced Windows	<b>2</b>	<b>0</b>	<b>0</b>		<b>0</b>
OR 4.3 Exceptional Windows	<b>3</b>	<b>0</b>	<b>0</b>		<b>0</b>
<b>5. Heating and Cooling Distribution System</b>					
5.1 Reduced Distribution Losses (meet all of the following, as appropriate)	<i>Prereq.</i>				
A. Forced-Air Systems	B. Nonducted HVAC Systems				
<input type="checkbox"/> a) Duct leakage of ≤ 4.0 CFM at 25 Pascals per 100 sq.ft.	<input type="checkbox"/> At least R-3 insulation around pipes in unconditioned spaces				
<input type="checkbox"/> b) No ducts in exterior walls unless extra insulation is added					
<input type="checkbox"/> c) At least R-6 insulation around ducts in unconditioned spaces					
5.2 Greatly Reduced Distribution Losses (meet the following, as appropriate)	<b>2</b>	<b>0</b>	<b>0</b>		<b>0</b>
A. Forced-Air Systems	B. Nonducted HVAC Systems				
<input type="checkbox"/> Duct leakage of ≤ 3.0 CFM at 25 Pascals per 100 sq.ft.	<input type="checkbox"/> Keep the boiler and pipes entirely within conditioned envelope				
OR 5.3 Minimal Distribution Losses (meet one of the following, as appropriate)	<b>3</b>	<b>0</b>	<b>0</b>		<b>0</b>
A. Forced-Air Systems	B. Nonducted HVAC Systems				
<input type="checkbox"/> a) Duct leakage of ≤ 1.0 CFM at 25 Pascals per 100 sq.ft.	<input type="checkbox"/> Outdoor reset control to set distribution temp. based on outdoor temp.				
<input type="checkbox"/> b) Air-handler and all ductwork is within conditioned envelope and EA 3.3 is met					
<input type="checkbox"/> c) Air-handler and all ductwork visibly within conditioned spaces (not in walls, etc.)					

**6. Space Heating and Cooling Equipment**

6.1  Good HVAC Design and Installation (meet all of the following) Prereq.

- a) Design and size HVAC equipment using ACCA Manual J or equivalent
- b) Install efficient heating AND cooling equipment (see Table)

- c) Install ENERGY STAR programmable thermostat OR
- Heat pump or hydronic installed and exempted from part (c)

Type of cooling system

Type of heating system

Cooling efficiency (SEER / EER)

Heating Efficiency (AFUE / HSPF / COP)

6.2 High-Efficiency HVAC 2      0      0      0

OR 6.3 Very High Efficiency HVAC 4      0      0      0

**7. Water Heating**

7.1  Efficient Hot Water Distribution System (meet one of the following) 2      0      0      0

- a) Structured plumbing system
- b) Central manifold distribution system

- c) Compact design of conventional system

7.2 Pipe Insulation 1      0      0      0

7.3 Efficient Domestic Hot Water Equipment 3      0      0      0

Type of DHW system

Efficiency       Solar: Percentage of annual DHW load

**8. Lighting**

8.1 ENERGY STAR Lights Prereq.

8.2 Improved Lighting (meet one of the following, see Rating System for pts) 1.5      0      0      0

- a) Indoor lighting - 3 additional ENERGY STAR lights in high-use rooms

- b) Exterior lighting - motion sensor controls or integrated PV

OR 8.3 Advanced Lighting Package (meet one of the following) 3      0      0      0

- a) 60% of fixtures are ENERGY STAR fixtures

- b) 80% of lamps are ENERGY STAR CFLs

**9. Appliances**

9.1 High-Efficiency Appliances (meet any, see Rating System for pts) 2      0      0      0

- a) ENERGY STAR labeled refrigerator
- b) ENERGY STAR labeled ceiling fans in living/family room and all bedrooms

- c) ENERGY STAR labeled dishwasher using 6.0 gallons per cycle or less
- d) ENERGY STAR clothes washer

9.2 Water-Efficiency Clothes Washer 1      0      0      0

**10. Renewable Energy**

10  Renewable Energy System 10      0      0      0.0

Reference electric load, kWh/yr (based on HERS model)

Electricity supplied by renewable system, kWh/yr

0.0% Percentage of annual reference electric load met by renewable system

**11. Residential Refrigerant Management**

11.1 Refrigerant Charge Test Prereq.

11.2 Appropriate HVAC Refrigerants (meet one of the following) 1      0      0      0

- a) Use no refrigerants
- b) Use non-HCFC refrigerants

- c) Use refrigerants that complies with global warming potential equation

## LEED for Homes Project Checklist, Project Notes

This section was created to give project teams additional space to make internal notes on the progress of the project. It does not need to be used and it **should not** be submitted to USGBC. This section is unlocked, so project teams are welcome to make changes to the format as necessary. Any comments or directions provided below have not been created or endorsed by the US Green Building Council.

Date project began:

--

Initiated by:

--

	<i>Credits</i>	<i>Responsible Party</i>	<i>Last Updated</i>	<i>Additional Notes</i>
<b>ID 1. Integrated Project Planning</b>				
	1.1			
	1.2			
	1.3			
	1.4			
	1.5			
<b>ID 2. Quality Mgmt for Durability</b>				
	2.1			
	2.2			
	2.3			

<b>3. Innovative or Regional Design</b>			
3.1			
3.2			
3.3			
3.4			

*Credits*      *Responsible Party*      *Last Updated*      *Additional Notes*

<b>LL 1. LEED for Neighborhood Development</b>			
1			

<b>LL 2. Site Selection</b>			
2			

<b>LL 3. Preferred Locations</b>			
3.1			
3.2			
3.3			

<b>LL 4. Infrastructure</b>			
4			

<b>LL 5. Community Resources</b>			
5.1			
5.2			
5.3			

<b>LL 6. Access to Open Space</b>			
6			

Credits

Responsible Party

Last Updated

Additional Notes

SS 1. Site Stewardship			
1.1			
1.2			
SS 2. Landscaping			
2.1			
2.2			
2.3			
2.4			
2.5			
SS 3. Reduce Local Heat Island Effects			
3			

**SS 4. Surface Water Management**

4.1			
4.2			
4.3			

**SS 5. Nontoxic Pest Control**

5			
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**SS 6. Compact Development**

6.1			
6.2			
6.3			

*Credits*      *Responsible Party*      *Last Updated*      *Additional Notes*

**WE 1. Water Reuse**

1.1			
1.2			
1.3			

**WE 2. Irrigation System**

2.1			
2.2			
2.3			

**WE 3. Indoor Water Use**

3.1			
3.2			

*Credits*      *Responsible Party*      *Last Updated*      *Additional Notes*

**EA 1. Optimize Energy Performance**

1.1			
1.2			

**EA 7. Water Heating**

7.1			
7.2			

**EA 11. Residential Refrigerant Management**

11.1			
11.2			

Credits

Responsible Party

Last Updated

Additional Notes

MR 1. Material-Efficient Framing			
1.1			
1.2			
1.3			
1.4			
1.5			
MR 2. Environmentally Preferable Products			
2.1			
2.2			

MR 3. Waste Management			
3.1			
3.2			

*Credits*      *Responsible Party*      *Last Updated*      *Additional Notes*

EQ 1. ENERGY STAR w/ IAP			
1			

EQ 2. Combustion Venting			
2.1			
2.2			

EQ 3. Moisture Control			
3			

EQ 4. Outdoor Air Ventilation			
4.1			
4.2			
4.3			

**EQ 5. Local Exhaust**

5.1			
5.2			
5.3			

**EQ 6. Distribution of Space Heating and Cooling**

6.1			
6.2			
6.3			

**EQ 7. Air Filtering**

7.1			
7.2			
7.3			

**EQ 8. Contaminant Control**

8.1			
8.2			
8.3			

**EQ 9. Radon Protection**

9.1			
9.2			

**EQ 10. Garage Pollutant Protection**

10.1			
10.2			
10.3			
10.4			

*Credits      Responsible Party      Last Updated      Additional Notes*

**AE 1. Education of Home Owner / Tenant**

1.1			
1.2			
1.3			

**AE 2. Education of the Building Manager**

2			
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Credits	Responsible Party	Last Updated	Additional Notes
<b>EA 2. Insulation</b>			
2.1			
2.2			
<b>EA 3. Air Infiltration</b>			
3.1			
3.2			
OR 3.3			
<b>EA 4. Windows</b>			
4.1			
4.2			
OR 4.3			
<b>EA 5. Heating and Cooling Distribution</b>			
5.1			
5.2			
OR 5.3			

EA 6. Space Heating and Cooling Equipment			
OR	6.1		
	6.2		
	6.3		
EA 7. Water Heating			
	7.1		
	7.2		
	7.3		
EA 8. Lighting			
OR	8.1		
	8.2		
	8.3		
EA 9. Appliances			
	9.1		
	9.2		
EA 10. Renewable Energy			
	10		
EA 11. Residential Refrigerant Management			
	11.1		
	11.2		