

## Builder Checklist #2

<b>For Blatchford Renewable Energy use only</b>
Service Installation Address and Unit Number:
Inspection Date ( <i>mm/dd/yyyy</i> ):

<b>Prior to DE Inspection #2 (for Blatchford Renewable Energy use only)</b>
Completion date ( <i>mm/dd/yyyy</i> ):
<input type="radio"/> With Kit#1 and DESS manifold installed in each unit as per Detail 01, the builder is to contact BRE to schedule flushing for each unit, followed by Kit #2 and CC cap handover by BRE.
<input type="radio"/> Kit #2 and the CC caps must be installed prior to booking Inspection #2.

### MAIN DWELLING DE Inspection #2

Completion date: ( <i>mm/dd/yyyy</i> )
<ol style="list-style-type: none"> <li>1. DESS piping and all components inside the building have been installed as per:             <ol style="list-style-type: none"> <li>1.1 Detail 01 &amp; 01A of the District Energy Sharing System (DESS) Design Guide;                  <input type="radio"/> Pass <input type="radio"/> No, reasoning:             </li> <li>1.2 Blatchford Renewable Energy (BRE) approved builder design; including tees for the future basement and/or backyard houses, if applicable.                  <input type="radio"/> Pass <input type="radio"/> No, reasoning:             </li> <li>1.3 Approved size auto flow valve with correct flow direction                  <input type="radio"/> Pass <input type="radio"/> No, reasoning:             </li> <li>1.4 The flow sensor mounting and orientation is acceptable.                  <input type="radio"/> Pass <input type="radio"/> No, reasoning:             </li> <li>1.5 Approved heat pump and associated equipment.                  <input type="radio"/> Pass <input type="radio"/> No, reasoning:             </li> <li>1.6 Builder has installed the DESS Return Piping manifold above the DESS Supply manifold. Additionally:                  <input type="radio"/> Pass <input type="radio"/> No, reasoning:             </li> <li>1.7 The flow sensor is not installed at the inlet side of the pump.                  <input type="radio"/> Pass <input type="radio"/> No, reasoning:             </li> <li>1.8 The flow sensor is not installed after a double bend in two planes.                  <input type="radio"/> Pass <input type="radio"/> No, reasoning:             </li> </ol> </li> <li>2. With kit #2 installed, DESS service piping has undergone pressure testing as per the Pressure Testing Procedure outlined in Section 5.5 (Steps 1.10.2-1.10.6) of the DESS Design Guide             <ol style="list-style-type: none"> <li>2.1 Builder to ensure to remove air pockets in the DESS pipes and manifold prior to the Pressure Test.                  <input type="radio"/> Pass <input type="radio"/> No, reasoning:             </li> </ol> </li> <li>3. A dedicated doorbell transformer has been installed.              <input type="radio"/> Pass <input type="radio"/> Fail         </li> <li>4. Builder has signed up District Energy services with EPCOR.              <input type="radio"/> Pass <input type="radio"/> Fail         </li> </ol>

Wireless Meter Requirements (if applicable to be determined by BRE)	
5. For wireless metering network conduit: A conduit has been installed as per Section 5.5 (steps 2.1 -2.5) of this Design Guide.	<input type="radio"/> Pass <input type="radio"/> No, reasoning:
6. For wireless metering network conduit: The mounting location is installed as per the Approved Final Design Package.	<input type="radio"/> Pass <input type="radio"/> No, reasoning:
7. For the wireless metering network conduit: Builder / Builder Representative confirms to BRE by initialing below that the Checklist items 5 & 6 have been correctly installed.	
Builder Rep. Initials:	Date:
8. Builder / Builder Representative confirms to BRE by initialing below that the conduit, the LB termination box, and all associated connection points have been completely waterproofed, weatherproofed, and sealed by the builder.	
Builder Rep. Initials:	Date:
9. Is CC Cap properly installed, with the correct size PVC sleeve?	<input type="radio"/> Pass <input type="radio"/> No, reasoning:

DE Inspection #2 Outcome	
Inspection passed?	
<input type="radio"/> YES	<input type="radio"/> NO

- BRE Notes to Builder:**
1. Refer to DE Inspections Timeline for next steps.
  2. Only for the lots with this successful inspection, Blatchford Renewable Energy (BRE) will coordinate with the builder and open the DESS CC valves to the properties.
  3. DE Inspections should take place 'per building' as per approved site plan (i.e., all townhouse units in one building will be inspected at once).

## BACKYARD HOUSE DE Inspection #2

Completion date (mm/dd/yyyy):

1. DESS piping and all components inside the building have been installed as per:
  - 1.1 Detail 01 & 01A of the District Energy Sharing System (DESS) Design Guide;
 

Pass  No, reasoning:
  - 1.2 Blatchford Renewable Energy (BRE) approved builder design;
 

Pass  No, reasoning:
  - 1.3 Approved size auto flow valve with correct flow direction
 

Pass  No, reasoning:
  - 1.4 Approved heat pump and associated equipment.
 

Pass  No, reasoning:
2. Builder has installed the DESS Return Piping manifold above the DESS Supply manifold.
 

Pass  No, reasoning:
3. DESS service piping has undergone pressure testing as per the Pressure Testing Procedure outlined in Section 5.5 (Steps 1.10.2-1.10.6) of the DESS Design Guide.
 

Pass  No, reasoning:

  - 3.1 1 Builder to ensure to removal of air pockets in the DESS pipes and manifold prior to the Pressure Test.
 

Pass  No, reasoning:

Backyard House DE Inspection #2 Outcome	
Inspection passed?	
<input type="radio"/> YES	<input type="radio"/> NO