

## 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 Inspection #2 (for Blatchford Renewable Energy use only)</b>
Completion date ( <i>mm/dd/yyyy</i> ):
<input type="radio"/> For each unit, the builder must have a wireless metering conduit and associated equipment installed as per Section 5.5 of this guide. BRE to inspect.
<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.

### MAIN DWELLING INSPECTION

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 garage suites, 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> </ol> </li> <li>2. Builder has installed the DESS Return Piping manifold above the DESS Supply manifold. Additionally:             <ol style="list-style-type: none"> <li>2.1 The flow sensor is not installed at the inlet side of the pump.                  <input type="radio"/> Pass <input type="radio"/> No, reasoning:             </li> <li>2.2 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>3. 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>3.1 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>4. A dedicated doorbell transformer has been installed.              <input type="radio"/> Pass <input type="radio"/> Fail         </li> <li>5. 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)**

6. For wireless metering network conduit: A 20 mm (3/4") non-metallic conduit with an end-to-end pull-string has been extended from the metering point inside each building's mechanical space to the exterior of the building with no more than four (4) 90° bends and not exceeding 20 meters in total length.

Pass  No, reasoning:

7. For wireless metering network conduit: This exterior location faces the main street/boulevard and is located approximately 1m above the front door away from regular access, or as per the approved location by BRE in the design. The wireless conduit is installed at an exterior location where there are no pipes, drains or boxes within 0.5 meter and is away from other emitters.

Pass  No, reasoning:

8. For the wireless metering network conduit: Builder / Builder Representative confirms to BRE by initialing below that the builder has installed an approved LB termination box with waterproof cover for mounting the wireless antenna at the exterior of the unit facing the street. A 3/4" non-metallic rigid conduit has been installed by the builder with the pull-string.

Builder Rep. Initials: \_\_\_\_\_ Date: \_\_\_\_\_

9. 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: \_\_\_\_\_

**Inspection Outcome**

Inspection passed?

YES

NO

**BRE Notes to Builder:**

1. Refer to BRE 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. Inspections should take place 'per building' as per approved site plan (i.e., all townhouse units in one building will be inspected at once).

## GARAGE SUITE INSPECTION

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;                  <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> </ol> </li> <li>2. Builder has installed the DESS Return Piping manifold above the DESS Supply manifold.                  <input type="radio"/> Pass <input type="radio"/> No, reasoning:</li> <li>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.                  <input type="radio"/> Pass <input type="radio"/> No, reasoning:                 <ol style="list-style-type: none"> <li>3.1 1 Builder to ensure to removal of 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> </ol>

Garage Suite Inspection Outcome	
Inspection passed?	
<input type="radio"/> YES	<input type="radio"/> NO