

ECO4 Innovation: Approved Innovation Measures

Overview

Under ECO4, once an application for a product to be delivered as an innovation measure is approved, we are required to publish a description of the innovation measure, the date on which it was approved, and whether it is a standard or substantial innovation measure. When a product already deliverable as a standard innovation measure is approved to be delivered as a substantial innovation measure, we are required to publish the approval of that substantial innovation measure, and the date on which its application was approved. This is to allow other obligated suppliers delivering measures which meet any innovation measure description to notify them as an innovation measure; and to allow suppliers and the supply chain to understand what innovation measures have already been approved under the scheme.

All approved innovation measures that can be delivered under ECO4 are listed below, including key characteristics, date of approval, whether a standard or a substantial innovation measure, additional requirements, and any products that can be delivered as that innovation measure. This list includes innovation measures approved under ECO3 and ECO4.

As stated in our ECO4 NMAP Guidance V1.2 (4.11) "Suppliers can apply for products approved as standard IMs to be considered for substantial IM status. For example, ECO3 approved IMs, or ECO4 IMs where additional evidence has been collected to demonstrate a substantial improvement.". Where a previously approved IM with a standard uplift has been approved to accrue a substantial uplift following evaluation and recommendation from the TAP, a new notification number will be created under which IM details will be contained.

When we approve an application for a product already listed under a standard innovation measure to be delivered as a substantial innovation measure, we will create a new innovation measure number and description for that product. Any other products that were listed under the standard innovation measure will remain there unless it is

Innovation Measure Number: "029"

Innovation measure type

Solar PV

Date application approved

29/05/2024

Number for notification

029

Innovation measure type/uplift

Standard innovation measure/25%

Awarded supplier uplift

E.ON

Characteristics of innovation measure

The system consists of MCS certified monocrystalline PV modules, with optimiser units. The optimised panel offers an increase in electricity production, by allowing generation to continue if part of the string or array is shaded or develops a fault. Systems can be installed using multiple roof angles and orientations. The addition of the optimiser allows PV installations in properties that may previously have been unsuitable due to shading.

Connectivity of the system via the Cloud Connect unit provides occupant(s) or landlord(s) with remote system monitoring. Notifications will be sent to users when a system fault is detected.

Product(s) meeting the description

InstaGen Solar PV MCS certified monocrystalline solar panels with Tigo optimisers and CCA/TAP modules specified.

Date product approved under IM: 29/05/2024

Suppliers are required to retain evidence that demonstrates this IM has been installed, such as:

Evidence to be held by Suppliers that IM installed

The product installed is InstaGen Solar PV with Tigo optimisers and CCA/TAP modules.

Evidence type:

1. Product/system warranty reflecting ECO household address to which measure delivered.
2. Documentation reflecting the capacity of solar and the underlying assessment, measured in kWp for ECO household to which delivered.
3. Pre, mid and post installation photographs of the product installed in the ECO household, all photographs to include the optimiser with panels.
4. MCS certification for ECO household connected to the solar PV array.
5. A data plan has been provided to households without Wi-Fi at no cost to the end-user for a minimum of 10 years.
6. A manufacturer warranty has been registered for the Solar PV array, covering at least a 12-year period and a 30-year linear power output warranty.
7. The additional CCA/TAP modules are included at no cost to the end-user, demonstrated through photographic evidence.
8. A label is placed on all devices which clearly describes the free services available to the end-user and how to utilise these services.
9. A guide is included within the handover notes for the system, to ensure householder can connect to and use the monitoring system provided by the CCA.

Limitations/ Applicability of IM

The installer should ensure Wi-Fi is present at the household, providing a data plan where required, to ensure the benefits of the Cloud Connect unit can be accessed by householders.

Suppliers are required to retain evidence that demonstrates this IM has been installed, such as:

Evidence to be held by Suppliers that IM installed

The product installed is K Systems EWI when specified with K Systems HP14 ECO for basecoat and adhesive layers (BBA certificate 18/5570, product sheets 1,2,3,4,5,6,7,8,9)

Evidence type:

1. The issued system design specifies the use of 'K Systems HP14 ECO' and is in accordance with the requirements within BBA certificate 18/5570.
2. Purchase orders from installers and invoices for the specific K Systems HP14 ECO product.
3. Proportional on-site inspection reports by K Systems Application Specialists, including photographic evidence of the materials & product batch number observed on-site and being installed. Product batch numbers are traceable within Kilwaughter Minerals quality system.
4. Warranty issue information and certificates, including explicit identification of the addresses covered by the warranty and with specific reference to the use of K Systems HP14 ECO.

Limitations/ Applicability of IM

None specified