# S C H E D U L E S

## SCHEDULE 10

Measurement methods and calculations for household washing machines and washer-dryers

*Energy efficiency index of household washing machines
and the washing cycle of household washer-dryers (EEI$_W$)*

**Energy efficiency index**

**2.**—(1)  For the calculation of the EEI$_W$, the weighted energy consumption of the eco 40-60 programme at—

(a)  the rated washing capacity;

(b)  half of the rated washing capacity; and

(c)  one quarter of the rated washing capacity;

must be compared to its standard cycle energy consumption.

(2)  The EEI$_W$ must be rounded to one decimal place and calculated as follows—

EEI$_W$ = (E$_W$/SCE$_W$) × 100.

(3)  For the purposes of sub-paragraph (2)—

(a)  E$_W$ is the weighted energy consumption of the household washing machine or of the washing cycle of the household washer-dryer;

(b)  SCE$_W$ is the standard cycle energy consumption of the household washing machine or the washing cycle of the household washer-dryer.

(4)  The SCE$_W$ must be rounded to three decimal places and calculated in kWh per cycle as follows—

SCE$_W$ = -0.0025 × c$^2$ + 0.0846 × c + 0.3920.

(5)  For the purposes of sub-paragraph (4), c is—

(a)  the rated capacity of the washing machine; or

(b)  the rated washing capacity of the washer-dryer;

for the eco 40-60 programme.

(6)  The E$_W$ must be rounded to three decimal places and calculated in kWh per cycle as follows—

$$E_W = A \times E_{W,full} + B \times E_{W,\frac{1}{2}} + C \times E_{W,\frac{1}{4}}$$

(7)  For the purposes of sub-paragraph (6)—

(a)  E$_{W,full}$ is the energy consumption of—

(i) the washing machine; or

(ii) the washing cycle of the household washer-dryer;

for the eco 40-60 programme at the rated washing capacity, rounded to three decimal places;

(b) $E_{W,\frac{1}{2}}$ is the energy consumption of—

   (i) household washing machine; or

   (ii) the washing cycle of the household washer-dryer;

for the eco 40-60 programme at half of the rated washing capacity, rounded to three decimal places;

(c) $E_{W,1/4}$ is the energy consumption of—

   (i) the washing machine; or

   (ii) the washing cycle of the household washer-dryer;

for the eco 40-60 programme at a quarter of the rated washing capacity, rounded to three decimal places;

(d) A is the weighting factor for the rated washing capacity and rounded to three decimal places;

(e) B is the weighting factor for half of the rated washing capacity and rounded to three decimal places;

(f) C is the weighting factor for a quarter of the rated washing capacity and rounded to three decimal places;

(g) for washing machines with a rated capacity lower than or equal to 3 kg and washer-dryers with a rated washing capacity lower than or equal to 3 kg—

   (i) A is equal to 1;

   (ii) B and C are be equal to 0;

(h) for other washing machines and washer-dryers, the values of the weighting factors depend on the rated capacity according to the following equations—

   (i) $A = -0.0391 \times c + 0.6918$;

   (ii) $B = -0.0109 \times c + 0.3582$;

   (iii) $C = 1 - (A + B)$;

where c is the rated capacity of the washing machine or the rated washing capacity of the washer dryer.