

WESTERN POWER — STREETLIGHTS

1248. Hon Dr Brad Pettitt to the parliamentary secretary representing the Minister for Energy:

I refer to the Western Power streetlight tariff, and I ask:

- (a) have Western Power streetlight tariffs been re-set for the 2023–2027 period;
- (b) if yes to (a), what are the new tariffs for street lights including access charge, operation and maintenance components;
- (c) if no to (a), why not;
- (d) what is the target for replacement of existing streetlights with light emitting diode (LED);
- (e) how many streetlights have been replaced with LED's in 2023 to date;
- (f) how many streetlights are expected to be replaced with LED's in 2023;
- (g) how many current streetlights are LED (please provide both numbers and percentages);
- (h) how many current street lights are compact fluorescent (please provide both numbers and percentages);
- (i) how many current street lights are mercury vapour (please provide both numbers and percentages);
- (j) how many current street lights are other kinds of globes (please provide both numbers and percentages); and
- (k) please provide a breakdown of the “other” types listed in (i)?

Hon Matthew Swinbourn replied:

- (a) Pricing structures and methods for this period are being reviewed by the Economic Regulation Authority (ERA) via the Access Arrangement process. The ERA's final decision on the fifth Access Arrangement 2022–27 (AA5) is due to be published by 31 March 2023. Under the Access Arrangement the ERA also approves Western Power's tariff price list annually.
- (b) The updated streetlight tariff referred to as RT9 will have the following components:
 - a fixed use of system charge which is payable each day;
 - a variable use of system charge calculated by multiplying the energy price by the estimated quantity of electricity consumed at an exit point (expressed in kWh and is based on the lamp wattage and illumination period); and
 - a fixed asset charge based on the type of streetlight asset suppliedThe streetlight tariff prices are still to be determined. Western Power will submit the 2024 price list for all tariffs based on the AA5 final decision to the ERA for review in mid-April 2023.
- (c) N/A
- (d) The current target for replacement of existing streetlights with light emitting diode (LED) is for all streetlights to be replaced with LED by 2029.
- (e)–(k) Please refer to table.

<i>Note – volumes as per data extracted on 22/02/2023</i>	Volumes	Percentages
(e) Streetlights replaced with LEDs in 2023 to date	1,409	
(f) Streetlights expected to be replaced with LEDs in 2023	32,318	
(g) LED streetlights	34,268	12%
(h) Compact fluorescent streetlights	43,991	15%
(i) Mercury vapour streetlights	126,210	45%
(j) Other streetlights	77,897	27%
(k) Breakdown of “other” types listed in (j):		
Metal Halide	20,606	7%
High Pressure Sodium	57,259	20%
Low Pressure Sodium	29	0.01%
Incandescent	3	0.001%