

## STANDING COMMITTEE ON ESTIMATES AND FINANCIAL OPERATIONS

### ANSWERS TO ADDITIONAL QUESTIONS

#### Horizon Power

Hon Martin Aldridge MLC asked:

1) I refer to the Media Release dated 28 June 2022 entitled 'WA leading the nation in standalone power technology' and I ask:

- a) Please breakdown in which budget year's each of the 1,000 Standalone Power Systems (SPS) committed to be deployed in the next four years are to be deployed?

Answer: Of the 1,000 SPS committed by the State Government, Horizon Power has been allocated funding for 150. The table below shows the financial years in which these SPS will be deployed.

Financial Year	SPS to be deployed
2022/23	32
2023/24	50
2024/25	50
2025/26	18

- b) How many SPS were deployed and what was the total cost of these in:

- i) 2019/20;  
ii) 2020/21; and  
iii) 2021/22?

Answer: The table below shows the number of SPS deployed and the total cost per financial year.

Financial year	Number of SPS deployed	Total cost
2019/20	17	\$8.03 million
2020/21	nil	\$nil
2021/22	30	\$7.6 million

- c) How many SPS are budgeted to be deployed in 2022/23 and where are they to be installed?

Answer: 50 SPS are budgeted to be deployed in 2022/23, the table below shows the locations of these SPS installations:

Number of SPS	LGA	Town
32	Shire of Esperance	Boyatup, Beaumont, Cascade, Howick, Mount Ney, Munglinup and Grass Patch
17*		
1*	Shire of Wyndham and East Kimberley	Kununurra

\* These units are not part of the State Government's 2021 election commitments and are funded through the *WA Recovery Plan*.

Minister's initials



d) In 2021/22 please provide a breakdown by Local Government Area (LGA) of all SPS deployed?

Answer: The table below provides a breakdown of the SPS deployed in 2021/22 by LGA:

LGA	Number of SPS deployed
Shire of Esperance	29
Shire of Carnarvon	1

(i) How many of these were in response to loss of infrastructure due to bushfires or adverse weather events?

Answer: None of the SPS deployed in 2021/22 were in response to bushfires or adverse weather events.

Minister's initials



**STANDING COMMITTEE ON ESTIMATES AND FINANCIAL OPERATIONS**  
**ANSWERS TO ADDITIONAL QUESTIONS**

**Regional Power Corporation (Horizon Power)**

**Hon Dr Brad Pettitt MLC asked:**

1. I refer to the Esperance Electrification Program on page 814 of Budget Paper No. 2 Vol. 2. I ask:

- (a) Has any modelling been done on the emissions reductions for households and businesses that are part of the electrification program, and if so could this please be provided; and

Answer: Yes, please show the table below.

<b>Table 1: Electrification CO2e reduction compared to natural gas</b>	
	<b>t CO2e reductions</b>
Residential (100% Electrification Outcome)	96.35 t CO2e p.a.
SME (80% Electrification Outcome)	41.62 t CO2e p.a.
Commercial (50% Electrification Outcome)	29.95 t CO2e p.a.
<b>Total:</b>	167.93 t CO2e p.a.

- (b) What are the expected bills savings per household that will be fully electrified as part of this program?

Answer: Yes, please see the table below.

	<b>Household Size</b>		
	<b>Large</b>	<b>Medium</b>	<b>Small</b>
Total NG consumption (MJ p.a.)	27,127.00	13,005.00	4,613.00
Existing NG Bill (\$)	\$1,032.76	\$585.57	\$319.82
LPG: New LPG Bill (\$)	\$1,843.47	\$902.00	\$342.53
Change in gas bill (LPG vs NG) (%)	78%	54%	7%
Electrification: Incremental Electricity Bill (\$)	\$613.53	\$351.05	\$186.52
<b>Change in bill (Electrification vs NG (%)</b>	<b>-41%</b>	<b>-40%</b>	<b>-42%</b>

\* Subject to customer behaviour.

Minister's initials

  
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2. I refer to page 813, Budget Paper No. 2 Vol 2, Renewable Energy point 5 and specifically, the plan for zero refusals when connecting solar by 2025. I ask:

- (a) How many refusals for solar connection have Horizon Power made for the past three financial years, respectively, and what reasons were given for each of these refusals; and

Answer: Please see the table below.

Financial Year	Number of non-approved	Reasons given		
		No hosting capacity	Duplicate application	Withdrawn by customer
2019/20	218	62	9	147
2020/21	38	20	7	11
2021/22	78	53	10	15

- (b) What is Horizon Power doing to ensure zero refusals by 2025?

Answer: Horizon Power is committed to its strategic goal of 'zero refusals when connecting rooftop solar by 2025'.

The realisation of this goal is being achieved through:

- i. The installation of battery energy storage system (BESS) in towns throughout the enterprise's service area; and
- ii. The deployment of the industry leading Distributed Energy Resources Management System (DERMS) across all of the enterprise's microgrids.

Minister's initials

