

**Senate Standing Committee on Environment and Communications
Legislation Committee**

Answers to questions on notice
Environment and Energy portfolio

Question No: 185
Hearing: Budget Estimates
Outcome: Outcome 4
Program: Energy Division (ED)
Topic: Generators
Hansard Page: 115
Question Date: 23 May 2017
Question Type: Spoken

Senator Ludlam asked:

Senator LUDLAM: I need you to take some stuff on notice, recognising that you are very unlikely to have this with you at the table. For the listed companies on page 19, which is basically a run-down of every generator over a certain size on the south-west network, can you please find for us on notice—not by the day after tomorrow, because I suspect this is going to take a little bit of time—or point to where we can find this ourselves, how many hours each of these generators ran for financial years going back to 2010-11. I know this is a bit of a steep ask. There are about 20 or 25 generators listed on the table—and how much they were paid, how much they received.

The table I am reading from gives me a megawatt figure and also gives me a share of capacity credit figure, but it does not actually tell me how much was forked out or for how long these power stations ran. I guess in a really hot peak you might get somebody that has to run for 15 minutes or whatever. Is what I am seeking reasonably clear?

Mr Heferen: We will take that on notice. It may be that that material is not available to us, but we will do what we can—

Answer:

Generators in the South-West Interconnected System (SWIS) receive payments from the Australian Energy Market Operator (AEMO), in accordance with the Wholesale Electricity Market (WEM) Market Rules. However these payments are commercial-in-confidence.

Generation data for the SWIS is available from AEMO, but providing annual totals back to 2010-11 would be a significant amount of data. We have provided information on the most recently concluded capacity year, for the generators you referred to, at **Attachment A**.

Attachment A

Electricity generation by hours: 1 October 2015 to 30 September 2016 (capacity year)

Generating unit	Participant	Classification*	Time generating (total hours)	Amount of the year generating (%)
Alcoa Wagerup	Alcoa	Baseload	7594.5	86
Alinta Pinjarra (unit 1)	Alinta Energy	Baseload	8098.5	92
Alinta Pinjarray (unit 2)	Alinta Energy	Baseload	7837.5	89
Alinta Wagerup Unit 1	Alinta Energy	Peaking	1115	13
Alinta Wagerup (unit 2)	Alinta Energy	Peaking	877	10
Bluewaters (unit 1)	Bluewaters	Baseload	7503	85
Bluewaters (unit 2)	Bluewaters	Baseload	7580.5	86
Cockburn	Synergy	Mid-merit	3378	38
Collie	Synergy	Baseload	7775.5	89
Kalamunda	Landfill Gas & Power	Peaking	4	0.04
Kemerton (unit 11)	Synergy	Peaking	503	6
Kemerton (unit 12)	Synergy	Peaking	985	11
Kwinana gas turbine	Synergy	Peaking	5	0.05
Kwinana high efficiency gas turbine (unit 2)	Synergy	Peaking	6411	73
Kwinana high efficiency gas turbine (unit 3)	Synergy	Peaking	4637	53
Merredin	Merredin Energy	Peaking	8	0.09
Muja AB (unit 1)	Vinalco	Mid-merit	2679.5	31
Muja AB (unit 2)	Vinalco	Mid-merit	2070	24
Muja AB (unit 3)	Vinalco	Mid-merit	1467.5	17
Muja AB (unit 4)	Vinalco	Mid-merit	2129.5	24
Muja CD (unit 5)	Synergy	Baseload	6667	76
Muja CD (unit 6)	Synergy	Baseload	6699.5	76
Muja CD (unit 7)	Synergy	Baseload	7752	88
Muja CD (unit 8)	Synergy	Baseload	7839	89
Mungarra (unit 1)	Synergy	Mid-merit	478	5
Mungarra (unit 2)	Synergy	Mid-merit	270.5	3
Mungarra (unit 3)	Synergy	Mid-merit	72	0.8
NewGen Kwinana	NewGen Kwinana	Baseload	7333.5	83
Parkeston	Goldfields Power	Peaking	176.5	2
Perth Energy Kwinana	Western Energy	Peaking	433.5	5
Perth Power Partnership Kwinana	Synergy	Baseload	8687.5	99
Pinjar A (unit 1)	Synergy	Peaking	149.5	2
Pinjar A (unit 2)	Synergy	Peaking	369	4
Pinjar B (unit 3)	Synergy	Peaking	232.5	3
Pinjar B (unit 4)	Synergy	Peaking	131	1
Pinjar B (unit 5)	Synergy	Peaking	534	6
Pinjar B (unit 7)	Synergy	Peaking	571.5	7
Pinjar C (unit 9)	Synergy	Mid-merit	3695.5	42
Pinjar C (unit 10)	Synergy	Mid-merit	4986	57
Pinjar D (unit 11)	Synergy	Mid-merit	4672.5	53

Tesla Geraldton	Tesla	Peaking	3	0.03
Tesla Picton	Tesla	Peaking	45.5	0.5
Tiwest Cogeneration	Tesla	Baseload	8606.5	98
West Kalgoorlie (unit 2)	Synergy	Peaking	146	2
West Kalgoorlie (unit 3)	Synergy	Peaking	61.5	0.7

* **Peaking** means the generating unit is generally operating only at times of high system demand. **Mid-merit** means the generating unit generally operates during periods of medium and high demand. **Baseload** means the generating unit is generally scheduled to operate continuously except for reductions caused by maintenance.