Figure 1: Gas stations Output (GWh)		2015	2016	2017
NSW	Colongra Power Station	16.5	23.0	8.1
	Smithfield Energy Facility	862.9	905.3	521.7
	Tallawarra	2477.4	850.0	1629.0
	Uranquinty Power Station	479.7	731.9	723.0
QLD	Barcaldine Power Station	5.6	3.2	3.2
	Braemar	1566.0	785.6	701.2
	Braemar 2	1899.2	632.4	375.1
	Condamine Power Station A	524.5	828.8	1058.9
	Darling Downs Power Station	4118.4	3036.7	2467.8
	Oakey Power Station	720.6	271.7	160.6
	Roma Gas Turbine Station	114.0	84.2	52.1
	Townsville Gas Turbine (Yabulu)	52.5	350.1	379.6
	Yarwun Power Station	1059.5	1114.2	1150.8
SA	Dry Creek Gas Turbine Station	4.7	10.2	6.8
	Hallett	29.6	38.6	19.9
	Ladbroke Grove Power Station	184.9	170.9	194.6
	Mintaro Gas Turbine Station	10.5	17.3	34.0
	Osborne Power Station	1269.0	873.6	1256.6
	Pelican Point Power Station	552.7	435.4	2481.6
	Quarantine	161.9	161.1	204.6
	Torrens Island Power Station A	414.2	677.9	522.0
	Torrens Island Power Station B	1620.7	1917.4	2236.1
TAS	Tamar Valley Combined Cycle Power Station	0.0	540.2	1058.2
	Tamar Valley Peaking Power Station	16.1	212.2	119.5
VIC	Bairnsdale Power Station	143.4	150.0	277.1
	Jeeralang A Power Station	11.5	11.8	16.1
	Jeeralang B Power Station	25.9	45.7	89.0
	Laverton	8.8	15.1	206.3
	Mortlake Power Station	586.6	418.9	1646.4
	Newport Power Station	191.1	206.2	881.9
	Somerton	2.9	21.6	79.1
	Valley Power	3.6	11.3	13.6

Source: NEM review; Australian Energy Council analysis

Figure 2: Percentage change in gas generation output		% change in 2016	% change in 2017
NSW	Colongra Power Station	40%	-65%
	Smithfield Energy Facility	5%	-42%
	Tallawarra	-66%	92%
	Uranquinty Power Station	53%	-1%
QLD	Barcaldine Power Station	-43%	2%
	Braemar	-50%	-11%
	Braemar 2	-67%	-41%
	Condamine Power Station A	58%	28%
	Darling Downs Power Station	-26%	-19%
	Oakey Power Station	-62%	-41%
	Roma Gas Turbine Station	-26%	-38%
	Townsville Gas Turbine (Yabulu)	567%	8%
	Yarwun Power Station	5%	3%
SA	Dry Creek Gas Turbine Station	117%	-33%
	Hallett	30%	-48%
	Ladbroke Grove Power Station	-8%	14%
	Mintaro Gas Turbine Station	64%	97%
	Osborne Power Station	-31%	44%
	Pelican Point Power Station	-21%	470%
	Quarantine	0%	27%
	Torrens Island Power Station A	64%	-23%
	Torrens Island Power Station B	18%	17%
TAS	Tamar Valley Combined Cycle Power Station		96%
	Tamar Valley Peaking Power Station	1222%	-44%
VIC	Bairnsdale Power Station	5%	85%
	Jeeralang A Power Station	3%	36%
	Jeeralang B Power Station	76%	95%
	Laverton	72%	1262%
	Mortlake Power Station	-29%	293%
	Newport Power Station	8%	328%
	Somerton	639%	266%
	Valley Power	212%	20%

Source: NEM review; Australian Energy Council analysis

Figure 3: Coal stations Output (TWh)		2015	2016	2017
NSW	Bayswater	17.50	15.68	15.16
	Eraring Power Station	12.90	12.13	16.63
	Liddell	8.14	8.59	7.80
	Mt Piper Power Station	5.22	7.39	6.98
	Redbank Power Station	-	-	-
	Vales Point B Power Station	7.77	7.44	7.72
QLD	Callide B Power Station	3.49	4.49	4.92
	Callide C Power Station	5.41	5.19	5.32
	Gladstone	5.06	6.53	7.62
	Kogan Creek	5.30	4.36	4.90
	Millmerran Power Plant	6.69	6.61	6.25
	Stanwell Power Station	8.57	8.55	8.43
	Tarong North	2.54	2.54	3.00
	Tarong Power Station	6.14	8.27	8.58
SA	Northern Power Station	2.57	1.25	-
	Playford B Power Station	-	-	-
VIC	Anglesea Power Station	0.72	-	-
	Hazelwood Power Station	9.63	9.15	2.38
	Loy Yang A Power Station	15.00	14.28	14.47
	Loy Yang B Power Station	8.19	7.81	8.21
	Morwell (Energy Brix)	-	-	-
	Yallourn W Power Station	10.19	10.41	9.95

Source: NEM review; Australian Energy Council analysis

Figure 4: Percentage change in coal generation output		% change in 2016	% change in 2017
NSW	Bayswater	-10.4%	-3.3%
	Eraring Power Station	-6.0%	37.1%
	Liddell	5.5%	-9.1%
	Mt Piper Power Station	41.5%	-5.5%
	Redbank Power Station	-	-
	Vales Point B Power Station	-4.3%	3.8%
QLD	Callide B Power Station	28.7%	9.6%
	Callide C Power Station	-4.2%	2.5%
	Gladstone	29.0%	16.7%
	Kogan Creek	-17.8%	12.4%
	Millmerran Power Plant	-1.1%	-5.4%
	Stanwell Power Station	-0.3%	-1.4%
	Tarong North	0.0%	17.9%
	Tarong Power Station	34.6%	3.8%
SA	Northern Power Station	-51.5%	-100.0%
	Playford B Power Station	-	-
VIC	Anglesea Power Station	-	-
	Hazelwood Power Station	-4.9%	-74.0%
	Loy Yang A Power Station	-4.8%	1.4%
	Loy Yang B Power Station	-4.6%	5.1%
	Morwell (Energy Brix)	-	-
	Yallourn W Power Station	2.2%	-4.4%

Source: NEM review; Australian Energy Council analysis

Figure 5: Percentage of time gas generators operated		2015	2016	2017
NSW	Colongra Power Station	1.4%	1.5%	0.7%
	Smithfield Energy Facility	100.0%	100.0%	58.3%
	Tallawarra	87.6%	37.7%	56.2%
	Uranquinty Power Station	17.6%	23.6%	23.5%
QLD	Barcaldine Power Station	2.3%	1.8%	1.3%
	Braemar	73.7%	40.4%	36.3%
	Braemar 2	84.9%	44.9%	29.3%
	Condamine Power Station A	63.4%	87.9%	98.6%
	Darling Downs Power Station	99.9%	91.9%	75.5%
	Oakey Power Station	48.1%	21.8%	13.3%
	Roma Gas Turbine Station	25.4%	16.6%	11.3%
	Swanbank E	0.0%	0.0%	4.8%
	Townsville Gas Turbine (Yabulu)	4.6%	27.0%	29.9%
	Yarwun Power Station	88.4%	97.1%	98.1%
TAS	Tamar Valley Combined Cycle Power Station	0.0%	31.7%	62.2%
	Tamar Valley Peaking Power Station	3.6%	35.3%	24.4%
SA	Dry Creek Gas Turbine Station	2.4%	4.5%	1.9%
	Hallett	10.2%	12.4%	4.8%
	Ladbroke Grove Power Station	32.0%	27.1%	33.0%
	Mintaro Gas Turbine Station	3.2%	3.6%	5.7%
	Osborne Power Station	90.2%	63.2%	91.6%
	Pelican Point Power Station	33.6%	30.4%	87.1%
	Quarantine	22.9%	20.0%	22.2%
	Torrens Island Power Station A	48.5%	67.3%	55.3%
	Torrens Island Power Station B	99.8%	99.9%	98.9%
VIC	Bairnsdale Power Station	47.3%	49.4%	63.0%
	Jeeralang A Power Station	1.9%	1.7%	2.6%
	Jeeralang B Power Station	2.9%	5.4%	9.8%
	Laverton	1.0%	0.8%	13.0%
	Mortlake Power Station	24.8%	19.4%	57.7%
	Newport Power Station	8.4%	9.0%	32.6%
	Somerton	0.5%	2.9%	8.4%
	Valley Power	0.6%	1.2%	1.4%

Source: NEM review; Australian Energy Council analysis

Level 14, 50 Market Street, Melbourne VIC 3000
P +61 3 9205 3100 | E info@energycouncil.com.au | W energycouncil.com.au

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