

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,452 MW
Distillate	0 MW
Total TNB	2,452 MW
Total IPP	16,093 MW
Total Co-Gen	0 MW
Total System	21,796 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,258	2.67 %
Gas	41,182	11.88 %
Total TNB	50,440	14.55 %
ST-Coal	190,312	54.89 %
LSS	511	0.15 %
Gas	103,445	29.84 %
Total IPP	294,268	84.88 %
Co-Gen	1,227	0.35 %
Total Co-Gen	1,227	0.35 %
Total Generation	345,935	99.78 %
PLTG	-52	-0.01 %
HVDC	-700	-0.20 %
Interconnection	-752	-0.22 %
Net Energy	346,687	100.00 %

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,075 MW
TNB Generation	2,424 MW
IPP Generation	13,895 MW
Spinning Reserve	1,705 MW
Maximum Demand	16,440 MW
Net Energy	346,687 MWH
Load Factor	87.87 %

Fuel Cost

Total Cost:	67,143,606.21 RM
Cost per Unit	19.97 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	681
Hydro	236
Syncon	865
Thermal	178
Total	1,960

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	21
GLGR	47
PGPS	23
SRDG	2
TJGS	208
Total TNB	301

CBPS	51
KLPP	92
MPSS	38
NPRI	142
PGLA	109
PLPS	80
SGRI	75
SKSP	34
YPKA	67
Total IPP	687

Total Gas	988
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Total Gas Required	988
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Alternate Fuel Usage

Station	(mmscfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	13548	13007	12534	12129	11910	11850	12009	12263	12928	14719	15542	16064	16053	15839	16170	16343	16347	15928	15389	15635	15643	15338	14634	14396

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, December 27, 2018 8:52:25 AM

 (Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Wednesday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																								
JMAH	U001	692	692	693	692	695	695	694	692	691	693	693	693	693	692	691	692	692	693	692	691	694	692	694	692	691	693	694																					
JMUG	U001	668	668	668	675	664	664	667	665	666	666	666	668	671	666	663	664	666	666	667	669	666	672	667	671	670	668	669	671	670	668	669	671	670	668	669	671	671	672										
JMUG	U002	672	672	672	671	676	672	673	672	672	673	672	671	672	672	672	672	668	667	673	671	673	671	672	672	670	665	672	662	676	674	670	671	672	668	673	671	669	668	677	672	672							
JMUG	U003	568	570	569	568	572	569	570	568	570	565	569	564	566	570	570	573	568	571	570	576	572	618	677	666	672	673	670	666	667	663	660	671	666	668	667	672	657	668	662	667	667	667	670	656	661			
JMUG	U004	783	785	782	786	785	782	783	782	783	785	785	785	783	785	783	785	783	785	853	930	983	980	983	982	980	985	983	981	981	982	983	981	983	983	987	982	983	983	983	983	983	983	983	983				
JMUG	U005	778	782	778	781	781	782	780	780	781	781	781	781	782	781	780	782	779	894	955	952	954	951	949	952	947	944	950	948	951	950	952	942	944	954	932	949	963	944	942	942	944	944	944	942	944	951	811	
PKLG	U003	281	283	282	283	282	283	190	148	150	151	150	150	150	150	150	231	285	282	284	286	286	283	282	281	282	282	283	280	281	280	282	282	279	282	280	279	280	278	282	279	280	282	277	278	280	279	283	283
PKLG	U004	281	282	281	281	280	281	279	236	149	147	147	149	150	148	150	218	277	281	280	280	281	280	281	280	279	277	276	276	279	277	282	282	282	282	282	281	282	281	282	281	279	279	281	282	280	280	280	281
TBIN	U001	689	689	690	690	688	690	689	689	687	689	689	691	690	689	687	690	689	689	685	687	689	689	687	689	690	688	687	688	687	688	687	689	689	689	689	689	689	688	688	688	690	689	689	689	688	691		
TBIN	U002	687	690	689	691	687	688	690	690	692	692	691	692	686	689	689	689	692	691	684	687	689	689	689	682	692	686	686	691	691	687	689	689	689	689	689	689	689	689	690	690	690	690	686	687	692	692	690	
TBIN	U003	690	691	691	689	692	691	690	690	693	690	690	691	686	690	692	694	690	688	690	692	692	689	689	689	693																							

Daily MW Generation on Wednesday

[illegible]

Daily MW Generation on Wednesday

Station	Unit	0000		0100		0200		0300		0400		0500		0600		0700		0800		0900		1000		1100		1200		1300		1400		1500		1600		1700		1800		1900		2000		2100		2200		2300		
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	12	17	28	19	32	42	39	46	50	50	50	50	47	48	26	9	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	25	34	54	43	67	105	94	91	90	72	65	63	63	62	39	16	9	7	5	1	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	21	21	21	22	21	21	20	21	21	21	22	21	20	22	21	21	21	21	21	21	21	20	19	19	19	19	20	21	21	21	21	21	22	22	21	23	22	23	23	23	23	20	20	21	21	21	20		
PCUF	CUFK	31	30	32	30	30	30	32	27	31	31	31	30	31	30	31	31	32	30	30	30	31	30	29	30	31	30	31	30	31	30	30	29	29	29	31	29	30	29	30	28	31	31	31	31	31	31			
Total Co-Gen		52	51	53	52	51	51	52	48	52	52	53	51	51	52	52	52	53	51	51	51	49	48	49	50	50	51	52	51	51	50	50	50	51	53	50	53	51	53	52	52	51	48	51	52	52	52	51		
Total Gen		13486	13202	12960	12650	12489	12299	12125	11936	11868	11843	11806	11857	11953	12133	12217	12328	12888	14022	14711	15181	15510	15881	16047	16288	15992	15792	15804	15915	16092	16370	16284	16308	16254	16247	15874	15549	15374	15244	15644	15894	15610	15524	15298	15058	14565	14637	14386	14146	
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIE-HVDC		-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-28	-30	-29	-28	-29	-28	-30			
TIE-PLTG		-24	31	-9	-5	-7	9	34	5	-4	10	-6	22	-18	-17	-7	7	-2	-40	30	48	6	-55	21	-9	-15	-77	10	-24	-33	-25	-14	-15	-48	-6	-9	24	31	-14	54	-59	13	29	6	39	-25	-16	34	16	
Interconnection		-53	2	-38	-35	-36	-19	5	-24	-33	-19	-35	-6	-47	-46	-37	-22	-31	-69	1	18	-23	-84	-8	-39	-45	-106	-19	-53	-62	-54	-43	-44	-77	-36	-38	-5	1	-43	25	-88	-17	1	-24	10	-53	-45	6	-14	
System Total		13548	13209	13007	12694	12534	12327	12129	11969	11910	11871	11850	11872	12009	12188	12263	12359	12928	14100	14719	15172	15542	15974	16064	16335	16053	15914	15839	15984	16170	16440	16343	16368	16347	16299	15928	15570	15389	15303	15635	15998	15643	15539	15338	15064	14634	14698	14396	14176	
SRev ST-Coal		405	390	396	390	395	398	424	457	451	451	452	454	454	459	461	450	393	363	230	167	170	122	90	180	181	181	183	196	184	181	168	199	191	175	195	175	154	199	183	198	190	185	184	197	195	178	184	210	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-5	-29	0	0	0	0	0	0	0	0	0	0	0		
SRev CCGT-Gas		1258	1605	1841	2033	2175	2008	2093	2183	2177	2203	2237	2183	2094	1958	1898	1926	1489	1427	1125	736	563	444	617	440	617	808	849	705	535	353	524	385	393	530	927	984	1016	1094	745	700	936	1020	874	878	1083	1098	1253	1358	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		13	14	12	13	14	14	13	17	13	13	12	14	14	13	13	13	12	14	14	14	14	16	17	16	15	15	14	13	14	14	15	15	14	12	15	12	14	12	13	13	14	17	14	13	13	13	14		
Syncon		1114	1125	1114	1114	1145	1145	1145	1145	1145	1145	1145	1145	1114	963	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	
Hydro		131	134	132	134	146	148	147	148	146	148	151	151	147	146	274	145	287	143	168	159	150	143	277	260	181	193	137	140	139	230	248	241	317	321	377	182	147	148	165	181	237	243	240	250	310	271	174	177	
S.Reserve Total		2921	3268	3495	3684	3875	3713	3822	3950	3932	3960	3997	3947	3854	3690	3609	3648	3295	3061	2651	2190	2011	1837	1927	1824	2109	2311	2298	2169	1985	1705	1695	1580	1505	1624	2071	2470	2443	2569	2032	1832	2116	2202	2055	2079	2377	2336	2587	2722	