

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,431 MW
Distillate	0 MW
Total TNB	2,431 MW
Total IPP	17,165 MW
Total Co-Gen	0 MW
Total System	22,675 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,265	2.19 %
Gas	35,634	9.45 %
Total TNB	43,899	11.64 %
ST-Coal	226,587	60.07 %
LSS	1,172	0.31 %
Gas	105,041	27.85 %
Total IPP	332,800	88.23 %
Co-Gen	959	0.25 %
Total Co-Gen	959	0.25 %
Total Generation	377,658	100.12 %
PLTG	-240	-0.06 %
HVDC	698	0.19 %
Interconnection	458	0.12 %
Net Energy	377,200	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	19,274 MW
TNB Generation	2,347 MW
IPP Generation	15,246 MW
Spinning Reserve	1,640 MW
Maximum Demand	17,616 MW
Net Energy	377,200 MWH
Load Factor	89.22 %

Fuel Cost

Total Cost:	68,867,197.36 RM
Cost per Unit	18.24 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	617
Hydro	357
Syncon	837
Thermal	114
Total	1,925

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	49
SRDG	2
TJGS	205
Total TNB	256
CBPS	52
KLPP	92
NPRI	154
PGLA	105
PLPS	88
SGB3	35
SGRI	34
SKSP	32
YPKA	70
Total IPP	662
Total Gas	918

Total Gas Required 918

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	15595	14856	14364	13861	13623	13586	13576	13449	14052	15662	16385	16776	16712	16490	17179	17433	17463	16889	16124	16032	16788	16942	16688	16263

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, June 24, 2019 9:45:52 AM

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

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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		
Total Co-Gen		56	40	39	40	40	40	42	39	40	40	40	38	43	42	41	40	40	41	39	41	41	40	39	39	39	39	41	41	41	42	40	41	40	39	41	39	38	38	38	39	37	39	37	39	36	38	39	37	
Total Gen		15720	15230	14919	14700	14423	14122	13857	13755	13560	13744	13583	13677	13580	13732	13506	13339	14048	15043	15665	15946	16349	16583	16732	16797	16715	16417	16476	16899	17132	17430	17445	17634	17464	17405	16957	16519	16132	15968	16093	16259	16844	16966	17020	16994	16740	16617	16292	15986	
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	0	
TIE-HVDC		30	31	31	31	31	30	30	30	30	30	30	30	30	29	29	30	29	30	30	30	30	31	31	30	30	31	31	-29	31	31	31	30	30	31	31	30	30	30	31	31	30	30	31	31	31	31	30		
TIE-PLTG		95	0	32	16	28	20	-33	-2	-93	-25	-33	-31	-26	-19	28	-1	-33	17	-27	-8	-66	-69	-75	-70	-28	-60	-45	-39	-78	-66	-19	-12	-29	27	37	50	-23	10	31	9	25	11	48	30	21	-48	-2	47	
Interconnection		125	31	63	47	59	49	-4	27	-63	5	-3	-1	4	11	57	29	-4	47	3	22	-36	-38	-44	-40	3	-29	-14	-69	-47	-35	12	18	1	58	68	80	8	40	61	39	56	41	78	61	52	-18	29	77	
System Total		15595	15199	14856	14653	14364	14073	13861	13728	13623	13739	13586	13678	13576	13721	13449	13310	14052	14996	15662	15924	16385	16621	16776	16837	16712	16446	16490	16968	17179	17465	17433	17616	17463	17347	16889	16439	16124	15928	16032	16220	16788	16925	16942	16933	16688	16635	16263	15909	
SRev ST-Coal		126	102	122	183	169	87	283	285	287	326	299	298	300	281	260	180	254	252	260	66	53	59	-64	-78	88	61	98	78	148	150	145	155	148	155	162	145	153	149	149	142	141	148	142	138	165	151	126	342	
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	37	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRev CCGT-Gas		792	796	736	696	903	1152	1422	1574	2050	1679	1717	1642	1719	1317	1581	1836	1191	565	1132	1330	753	597	584	641	840	908	1009	761	690	313	471	350	299	344	559	851	1224	1380	1239	1073	574	545	497	532	576	694	847	672	
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		-16	0	1	0	0	0	-2	1	0	0	0	2	-3	-2	-1	0	0	-1	1	-1	-1	0	1	1	1	1	-1	-1	-1	-2	0	-1	0	1	-1	1	2	2	2	1	3	1	3	1	4	2	1	3	
Syncon		1115	1115	1216	1216	1216	1216	1066	1115	1014	1014	1014	863	1014	1014	863	1014	1014	1014	827	863	964	777	777	626	626	1115	1115	1115	1115	878	878	540	626	626	813	1115	1115	1115	1115	1115	1115	964	964	964	964	1115	1115	964	
Hydro		146	139	141	140	144	146	145	187	110	111	110	240	110	106	238	110	106	107	206	125	126	405	416	554	431	193	190	192	230	371	375	596	542	538	400	139	139	139	139	142	155	358	356	343	257	127	130	257	
S.Reserve Total		2163	2152	2216	2235	2432	2601	2914	3162	3461	3130	3140	3045	3140	2716	2941	3140	2565	1937	2426	2383	1895	1838	1714	1744	1986	2278	2411	2145	2182	1710	1869	1640	1652	1700	1969	2251	2633	2785	2644	2473	1988	2016	1962	1978	1966	2089	2219	2238	