

Daily System Generation Summary on Friday

Friday, June 07, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,517 MW
Distillate	0 MW
Total TNB	2,517 MW
Total IPP	14,117 MW
Total Co-Gen	0 MW
Total System	19,713 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,038	4.53 %
Gas	37,165	12.92 %
Total TNB	50,203	17.46 %
ST-Coal	165,494	57.55 %
LSS	1,411	0.49 %
Gas	70,152	24.40 %
Total IPP	237,057	82.44 %
Co-Gen	320	0.11 %
Total Co-Gen	320	0.11 %
Total Generation	287,580	100.01 %
PLTG	-697	-0.24 %
HVDC	731	0.25 %
Interconnection	34	0.01 %
Net Energy	287,546	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:	20:00:00 Hour
Total Set On Bus	15,241 MW
TNB Generation	2,605 MW
IPP Generation	11,104 MW
Spinning Reserve	1,519 MW
Maximum Demand	13,690 MW
Net Energy	287,546 MWH
Load Factor	87.52 %

Fuel Cost

Total Cost:	53,224,442.14 RM
Cost per Unit	18.51 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	282
Hydro	456
Syncon	608
Thermal	260
Total	1,606

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	52
TJGS	211
Total TNB	264
KLPP	3
NPRI	155
PGLA	93
PLPS	61
PTEK	3
SKSP	29
YPKA	49
Total IPP	393
Total Gas	657
Total Gas Required	657

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	11207	10796	10409	10144	9927	9892	10058	10262	10502	11711	12371	12853	12819	12673	12978	13198	13246	13147	12664	12666	13690	13544	13163	12959

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, June 24, 2019 10:47:39 AM

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

Daily MW Generation on Friday

		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
HTRG	HY01		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY02		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNRG	HY02		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	21	21	20	21
KNYR	HY01		0	0	0	0	0	0	99	99	99	99	99	101	101	101	97	100	100	100	99	99	101	101	98	0
KNYR	HY02		58	58	58	59	60	60	60	101	101	101	101	101	101	100	101	59	61	62	63	60	60	59	59	59
KNYR	HY03		-1	-1	-1	-1	-1	-1	100	101	100	100	100	100	100	100	100	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY04		0	0	0	0	0	0	100	100	100	100	100	102	102	99	101	101	101	101	102	102	99	100	59	62
LPIA	HY02		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01		5	5	5	5	5	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6	6	6	3
PGAU	HY01		21	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	8	21	23	21	21	19	-1	-1	-1	-1
PGAU	HY02		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	-1	20	22	22	22	22	22	20
SIHY	HY01		49	49	49	0	0	0	0	0	0	0	0	0	29	30	49	49	49	49	49	49	49	0	0	0
SIHY	HY02		50	49	50	0	0	0	0	0	0	0	0	0	13	30	50	50	50	50	50	50	50	50	0	0
SIHY	HY03		50	49	50	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	30	0
SYPS	HY01		25	25	25	16	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25	25	0
SYPS	HY02		25	25	25	17	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25	25	0
SYPS	HY03		25	25	25	16	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25	25	0
SYPS	HY04		25	25	25	17	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25	25	0
TMGR	HY01		32	32	33	32	33	33	33	33	32	32	33	33	32	33	33	33	33	33	33	33	32	33	33	31
TMGR	HY04		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	98	94	93	84	-1	-1	-1	-1	-1
UJLI	HY02		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	94	86	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro			437	435	438	233	169	169	167	508	508	507	508	508	513	536	511	502	510	510	573	600	799	890	958	955
Total Distillate			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BDLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	8	11	10	21	20	17	23	23	16
CHLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	7	11	15	19	19	21	25	32	33
GBLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	22	22	20	20	20	33	41	41	23
GNLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	4	4	4	4	4	4	4	4	4
KKLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	14	17	19	29	34	40	30	26	
MCLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	3	6	7	12	17	11	
SPLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	16	26	27	23	27	39	44	32	
SSLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	8	15	26	33	44	32	40	
Total LSS			0	0	0	0	0	0	0	0	0	0	0	0	3	11	28	48	77	111	140	151	173	178	213	
PCUF	CUFK		14	13	15	14	12	13	14	14	13	13	13	12	13	13	12	14	13	15	13	13	13	14	14	
Total Co-Gen			14	13	15	14	12	13	14	14	13	13	13	12	13	13	12	14	13	15	13	13	13	14	14	
Total Gen			11205	11048	10825	10635	10412	10336	10151	10048	9908	9894	9922	9954	9998	10182	10325	10235	10564	11201	11700	12042	12340	12604	12794	
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
TIE-HVDC			29	30	30	31	31	31	31	31	30	30	30	31	31	31	31	31	31	31	31	30	30	31	30	30
TIE-PLTG			-31	33	-1	-22	-28	-15	-23	-34	-50	-36	-1	-29	-90	-29	33	33	32	-34	-42	-17	-61	-71	-90	
Interconnection			-2	63	29	9	3	16	7	-3	-19	-5	30	1	-60	2	63	63	62	-4	-11	14	-31	-40		
System Total			11207	10985	10796	10626	10409	10320	10144	10051	9927	9899	9892	9953	10058	10180	10262	10172	10502	11205	11711	12028	12371	12644	12853	12917
SRev ST-Coal			182	183	175	183	244	277	283	660	623	667	672	655	672	669	624	588	176	171	181	180	167	305	303	255
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
SRev CCGT-Gas			682	373	588	564	671	629	610	617	845	681	638	615	470	295	264	795	718	582	496	200	156	374	361	307
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
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

Daily MW Generation on Friday

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		
SRev Co-Gen		26	27	25	26	28	27	26	26	27	26	27	27	27	28	27	27	28	27	-2	-14	-13	-15	-13	-13	-13	-14	-14	-14	-15	2	1	1	2	1	2	1	1	1	1	2	4	2	0	2	1	3	2	2	3
Syncon		964	964	964	1115	1115	1115	1115	1014	1014	1014	1014	1014	1014	863	1014	1014	1014	1014	863	712	525	525	489	489	489	964	964	964	878	691	691	691	504	540	540	727	964	1115	1115	525	439	439	626	712	712	712	813		
Hydro		275	277	274	178	142	142	144	104	104	105	104	104	99	227	101	110	102	102	290	414	452	461	429	432	460	219	300	295	345	430	443	454	558	587	610	491	271	142	139	630	511	527	483	407	387	367	483	397	
S.Reserve Total		2129	1824	2026	2066	2225	2215	2203	2421	2613	2493	2455	2432	2265	2085	2075	2570	2450	1901	1818	1493	1300	1512	1571	1518	1557	1636	1630	1672	1662	1572	1588	1582	1616	1563	1625	1882	1952	2126	1980	1674	1519	1596	1723	1725	1923	1833	1744	1652	