

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,472 MW
Distillate	0 MW
Total TNB	2,472 MW
Total IPP	16,525 MW
Total Co-Gen	0 MW
Total System	21,702 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,149	6.84 %
Gas	38,225	11.81 %
Total TNB	60,374	18.66 %
ST-Coal	215,037	66.45 %
LSS	1,826	0.56 %
Gas	45,623	14.10 %
Total IPP	262,486	81.12 %
Co-Gen	239	0.07 %
Total Co-Gen	239	0.07 %
Total Generation	323,099	99.85 %
PLTG	209	0.06 %
HVDC	-694	-0.21 %
Interconnection	-485	-0.15 %
Net Energy	323,584	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,013 MW
TNB Generation	3,106 MW
IPP Generation	11,695 MW
Spinning Reserve	1,202 MW
Maximum Demand	14,835 MW
Net Energy	323,584 MWH
Load Factor	90.88 %

Fuel Cost

Total Cost:	38,298,744.46 RM
Cost per Unit	11.84 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	572
Hydro	267
Syncon	687
Thermal	349
Total	1,875

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	219
Total TNB	268
CBPS	3
NPRI	154
PGLA	52
SKSP	44
Total IPP	253
Total Gas	520
Total Gas Required	520

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	14104	13554	13157	12643	12280	12045	12030	12079	12001	13026	13597	13990	13887	13675	14092	14080	13998	13845	13692	13926	14835	14590	14263	13998

Daily MW Generation on Saturday

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
KNYR	HY02	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
KNYR	HY03	110	110	110	111	111	111	112	111	111	111	111	111	111	111	111	111	111	111	111	111	111	110	111	110
KNYR	HY04	103	103	103	104	104	104	104	103	105	104	105	104	105	104	104	104	105	104	104	104	59	105	104	103
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
LPIA	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
MNOR	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	7	7	7	7	7	7	7	7
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	20	-1
PGAU	HY02	20	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	13	-1	81	82
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	15	22
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	31	50	50	50	50	47	30	30	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	50	30	30	30	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	18	17	17	17	17	17	17	17
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	17	17	17	17	17	17
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25
TMGR	HY01	38	39	30	34	-1	-1	-1	-1	-1	-1	-1	-1	42	39	-1	-1	62	83	87	62	34	33	34	30
TMGR	HY02	41	41	41	52	44	44	45	44	44	90	44	89	44	91	42	44	0	0	0	0	0	0	0	0
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	30	35	81	85	82	32	32	32	29	30	
TMGR	HY04	82	26	-1	-1	-1	-1	-1	-1	-1	-1	-1	41	38	41	35	61	82	86	84	33	33	33	29	31
UJLI	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
UJLI	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
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		874	788	771	770	727	728	727	680	677	727	679	726	680	813	756	740	697	765	906	983	971	836	860	911
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	0	3	4	7	10	12	11	17	15	14	16	18
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	13	18	23	28	18	23	23	22	23
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	7	13	12	13	11	4	10	12	13	12	12
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	12	13	25	24	23	28	34	30	30
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	2	4	4	7	9	11	9	13
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	5	2	3	0	3	6	7	8
GMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	12	14	18	19	20	18	20	21	21
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	12	13	12	22	20	27	30	31	28
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	9	15	22	18	14	13	14	15	18	15	16
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	5	11	10	11	16	14	8	7
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	7	11	14	15	18	29	13
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	13	16	23	28	34	37	35	39
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	9	11	12	13	13	15	16
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	4	5	8	7	3	2	1	1
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	9	47	98	121	155	176	196	217	241	249	260	246
PCUF	CUFG	2	4	4	9	8	8	8	7	8	12	6	10	10	9	4	5	5	5	5	8	6	7	4	4
PCUF	CUFK	4	4	4	3	5	4	3	3	4	4	3	6	5	4	6	4	6	6	4	3	4	4	4	5
Total Co-Gen		6	8	8	12	13	12	11	10	12	16	10	13	16	14	8	11	9	11	11	9	8	12	10	11
Total Gen		14112	13774	13510	13271	13101	12776	12638	12430	12226	12158	12042	12067	12015	12182	12047	12082	11956	12621	13005	13270	13565	13778	13944	13993
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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		48	23	-4	35	-16	36	36	52	-13	-32	38	-3	26	13	9	1	-4	-39	20	48	8	-82	-5	

Daily MW Generation on Saturday

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																										
Interconnection		20	-6	-33	7	-45	7	7	23	-42	-60	9	-32	-3	-16	-20	-28	-33	-68	-9	19	-21	-111	-34	-33	-7	39	-11	-101	-50	4	48	-16	21	4	62	5	-37	-91	-74	-88	-12	-17	2	-8	-58	-34	-37	-12		
System Total		14104	13791	13554	13275	13157	12781	12643	12419	12280	12230	12045	12111	12030	12210	12079	12122	12001	12701	13026	13263	13597	13900	13990	14038	13887	13736	13675	13893	14092	14194	14080	14149	13998	14048	13845	13699	13692	13749	13926	14787	14835	14696	14590	14379	14263	14229	13998	13736		
SRev ST-Coal		419	419	529	673	687	774	786	889	1021	1036	1034	1029	1031	1028	1028	1027	1032	698	653	612	399	365	346	352	333	341	344	340	342	349	331	344	345	335	341	346	334	325	241	261	231	242	235	244	244	236	263	265		
SRev CCGT-Gas		429	549	563	645	434	643	760	782	766	724	775	758	764	734	796	765	838	746	771	683	692	531	466	508	621	690	835	747	693	578	617	582	504	478	587	723	740	740	661	321	205	319	327	470	612	614	827	791		
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 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	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		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	0
Syncon		651	802	738	889	976	976	976	976	976	976	976	976	976	802	802	738	889	802	802	651	802	802	802	802	802	802	802	802	802	802	802	651	802	802	802	889	889	738	802	313	313	313	464	464	464	615	464	615		
Hydro		251	177	258	108	64	62	63	72	75	25	73	26	72	113	170	250	90	109	119	193	55	190	213	212	273	312	317	299	190	129	141	336	345	345	347	290	287	401	328	435	457	474	407	327	353	219	361	368		
S.Reserve Total		1750	1947	2088	2315	2161	2455	2585	2719	2838	2761	2858	2789	2843	2677	2796	2780	2849	2355	2345	2139	1948	1888	1827	1874	2029	2145	2298	2188	2027	1858	1891	1913	1996	1960	2077	2248	2250	2204	2032	1330	1206	1348	1433	1505	1673	1684	1915	2039		