

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	18,686 MW
Total Co-Gen	0 MW
Total System	24,031 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,488	3.20 %
Gas	33,727	10.28 %
Total TNB	44,215	13.48 %
ST-Coal	240,230	73.23 %
LSS	2,027	0.62 %
Gas	43,208	13.17 %
Total IPP	285,465	87.02 %
Co-Gen	198	0.06 %
Total Co-Gen	198	0.06 %
Total Generation	329,878	100.56 %
PLTG	1,136	0.35 %
HVDC	698	0.21 %
Interconnection	1,834	0.56 %
Net Energy	328,044	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:	21:00:00 Hour
Total Set On Bus	16,658 MW
TNB Generation	2,919 MW
IPP Generation	12,204 MW
Spinning Reserve	1,525 MW
Maximum Demand	15,100 MW
Net Energy	328,044 MWH
Load Factor	90.52 %

Fuel Cost

Total Cost:	48,681,881.84 RM
Cost per Unit	14.76 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	351
Hydro	365
Syncon	1,021
Thermal	478
Total	2,215

Time Weather Temperature

Afternoon	Cloudy	34
Morning	Cloudy	27

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	14577	13994	13464	13048	12776	12672	12428	11915	11658	12574	13192	13570	13634	13618	14139	14368	14373	14204	13979	13988	14762	15100	14993	14950

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	
LPIA	HY01	20	20	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
LPIA	HY02	20	18	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
MNOR	HY01	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
PGAU	HY01	20	20	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
PGAU	HY02	21	-1	-1	20	-1	-1	21	-1	21	21	-1	21	20	-1	21	-1	21	-1	21	-1	21	-1	21	-1	
PGAU	HY03	-1	21	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	
SIHY	HY01	31	51	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	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	HY01	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	HY02	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	HY03	17	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	17	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	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	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY04	42	71	41	41	42	42	41	42	43	41	42	76	41	42	32	30	34	34	34	34	34	34	34	34	34
UJLI	HY01	93	-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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
UPIA	HY02	5	5	4	4	4	5	5	5	5	5	5	5	5	4	4	3	3	3	3	3	3	3	3	3	
Total Hydro		731	633	546	243	222	224	245	224	247	245	245	280	243	222	175	185	188	211	223	215	230	216	239	216	
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	0	1	1	1	1	2	2	2	2	2	2	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	3	5	12	14	14	15	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	13	16	17	36	38	29	30	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	11	7	6	12	7	17	22	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	11	18	23	27	32	34	38	42	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	5	6	9	15	39	40	36	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	13	17	22	26	31	34	38	39	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	12	16	21	10	34	41	41	50	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	4	4	3	8	12	13	17	25	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	14	9	25	31	33	20	38	
Total LSS		0	0	0	0	0	0	0	0	0	10	32	62	99	110	125	203	224	227	294	280	313	278	326	290	
PCUF	CUFG	4	5	4	3	2	3	3	4	3	5	3	4	3	3	2	3	4	3	3	3	3	3	3	3	
PCUF	CUFK	5	5	5	6	5	4	5	5	4	6	4	4	5	5	6	5	6	5	6	4	4	5	5	4	
Total Co-Gen		9	10	9	9	7	7	8	9	7	11	7	8	8	8	9	9	8	7	8	7	7	9	9	8	
Total Gen		14658	14362	14069	13797	13535	13323	13144	12971	12845	12874	12753	12501	12494	12338	11980	11645	11705	12236	12627	13050	13256	13483	13650		
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		31	30	30	30	31	31	31	31	31	30	30	30	30	31	31	31	30	30	30	30	30	31	30	30	
TIE-PLTG		54	46	48	74	44	57	69	33	42	19	55	21	39	50	39	37	21	34	26	55	36	32	53		
Interconnection		85	76	78	104	74	88	100	64	73	50	85	51	70	81	69	68	50	64	56	85	67	63	83		
System Total		14577	14289	13994	13696	13464	13239	13048	12911	12776	12828	12672	12454	12428	12261	11915	11581	11658	12175	12574	12968	13192	13423			
SRev ST-Coal		262	204	196	181	155	153	194	486	489	471	481	482	484	530	662	733	718	622	538	528	498	490			
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		520	440	653	637	902	1118	1278	923	941	894	997	1282	1247	1338	1431	1460	1397	1124	1035	704	588	431			
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 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		
SRev Co-Gen		9	8	9	9	11	11	10	9	11	7	11	10	10	10	9	9	10	11	10	11	11	9	9	10	9	10	9	10	8	8	11	10	10	10	11	10	10	8	11	11	11	9	10	8	10	11	8	11	8
Syncon		765	1053	1204	1154	1305	1305	1154	1305	1154	1154	1154	1154	1305	1154	1305	1305	1154	1154	1305	1154	1305	1154	1305	1305	1305	1118	967	1118	1017	1017	1204	1053	1204	1204	1305	1154	1305	1103	1103	1103	552	338	338	615	615	615	615		
Hydro		493	304	240	393	263	260	390	260	388	390	390	355	392	262	460	299	297	425	437	270	406	269	397	269	273	270	270	397	270	379	292	321	447	318	388	264	379	257	317	244	212	546	544	641	401	411	363	450	
S.Reserve Total		2049	2009	2302	2374	2636	2847	3026	2983	2983	2916	3033	3283	3287	3445	3716	3806	3727	3336	3174	2818	2657	2504	2395	2481	2624	2685	2491	2241	2025	1986	1894	2221	2210	2243	2350	2296	2270	2315	2232	2140	1798	1610	1526	1615	1571	1567	1603	1730	