

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,435 MW
Distillate	0 MW
Total TNB	2,435 MW
Total IPP	17,875 MW
Total Co-Gen	0 MW
Total System	23,133 MW

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:	20:30:00 Hour
Total Set On Bus	15,464 MW
TNB Generation	2,483 MW
IPP Generation	11,313 MW
Spinning Reserve	1,657 MW
Maximum Demand	13,824 MW
Net Energy	298,138 MWH
Load Factor	89.86 %

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	211
Total TNB	261
CBPS	51
NPRI	154
PLPS	53
Total IPP	258
Total Gas	519
Total Gas Required	519

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Hydro	8,805	2.95 %
Gas	37,588	12.61 %
Total TNB	46,393	15.56 %
ST-Coal	194,524	65.25 %
LSS	2,435	0.82 %
Gas	54,190	18.18 %
Total IPP	251,149	84.24 %
Co-Gen	241	0.08 %
Total Co-Gen	241	0.08 %
Total Generation	297,783	99.88 %
PLTG	345	0.12 %
HVDC	-700	-0.23 %
Interconnection	-355	-0.12 %
Net Energy	298,138	100.00 %

Fuel Cost

Total Cost:	45,094,360.28 RM
Cost per Unit	15.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	192
Hydro	231
Syncon	1,211
Thermal	447
Total	2,081

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
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	13306	12685	12164	11698	11323	11016	10899	10764	10663	11426	11881	12261	12480	12617	13039	13274	13286	13023	12457	12559	13757	13783	13781	13702

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
LPIA	HY01	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	10
LPIA	HY02	8	8	8	8	10	10	10	11	11	11	11	11	10	10	10	9	9	9	10	10	10	10	10	12
MNOR	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
PGAU	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
PGAU	HY02	-1	-1	-1	21	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	20	20	20	20	20	20	-1	-1	78
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	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
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	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	0	0	0
TMGR	HY01	42	-1	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	0	-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	41	75	43	42	45	41	42	41	41	41	41	41	42	42	41	40	42	49	77	70	42	77	76	41
UJLI	HY01	-1	-1	96	-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
Total Hydro		531	529	671	487	470	466	165	163	187	187	165	164	186	166	164	161	165	177	234	236	200	245	244	177
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
BDSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0
PCUF	CUFG	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
PCUF	CUFK	5	6	3	6	4	5	4	4	7	4	6	5	4	6	5	4	6	5	4	6	5	6	5	6
Total Co-Gen		10	11	8	11	9	11	9	13	9	11	10	9	9	10	10	11	10	11	10	12	10	12	10	12
Total Gen		13273	12897	12663	12434	12156	11885	11674	11495	11260	11122	10990	10903	10860	10846	10705	10420	10626	11078	11377	11649	11876	12054	12214	
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		0	-10	11	30	24	-2	8	5	-32	-7	5	-14	-6	8	-27	-6	-5	10	-17	-20	28	-20	-13	
Interconnection		-29	-39	-18	1	-4	-31	-20	-24	-60	-36	-23	-43	-36	-21	-56	-35	-34	-19	-46	-50	-1	-50	-43	
System Total		13306	12940	12685	12437	12164	11920	11698	11523	11323	11161	11016	10949	10899	10870	10764	10458	10663	11100	11426	11702	11881	12108	12261	
SRev ST-Coal		621	734	720	726	722	734	724	748	767	766	770	504	588	650	678	714	709	711	662	663	665	673	668	
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		368	289	257	281	532	473	399	284	289	317	266	274	249	186	298	530	251	131	130	126	146	124	116	
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
SRev Co-Gen		10	9	12	9	11	9	11	11	7	11	9	10	11	11	10	10	10	9	10	9	10	11	8	9

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																								
Syncon		1079	1254	980	1103	1254	1254	1456	1456	1305	1305	1456	1456	1305	1456	1456	1456	1456	1456	1456	1305	1456	1456	1456	1305	1305	1305	1305	1154	1456	1180	1180	1029	1368	1368	1368	1368	1368	892	892	892	892	892	892	741	741	741		
Hydro		169	83	215	276	142	146	145	147	275	275	146	147	276	145	147	155	151	139	82	80	266	70	71	138	268	255	255	235	303	434	131	253	256	385	170	168	123	127	125	350	360	281	283	280	281	349	462	518
S.Reserve Total		2247	2369	2184	2395	2661	2616	2735	2646	2643	2674	2647	2391	2429	2448	2589	2865	2577	2446	2340	2334	2392	2334	2319	2199	2197	2178	2191	2081	2328	2272	2264	2074	2056	2023	2234	2548	2437	2493	2381	1870	1719	1661	1689	1667	1662	1592	1663	1794