

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,408 MW
Distillate	0 MW
Total TNB	2,408 MW
Total IPP	16,053 MW
Total Co-Gen	0 MW
Total System	21,137 MW

Generation Mix

Type	MWh	Percentage
Hydro	37,836	10.91 %
Gas	30,753	8.87 %
Total TNB	68,589	19.78 %
ST-Coal	201,859	58.21 %
LSS	2,482	0.72 %
Gas	74,502	21.48 %
Total IPP	278,843	80.41 %
Co-Gen	161	0.05 %
Total Co-Gen	161	0.05 %
Total Generation	347,593	100.23 %
PLTG	91	0.03 %
HVDC	721	0.21 %
Interconnection	812	0.23 %
Net Energy	346,781	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:	16:00:00 Hour
Total Set On Bus	17,428 MW
TNB Generation	3,288 MW
IPP Generation	12,913 MW
Spinning Reserve	1,219 MW
Maximum Demand	16,239 MW
Net Energy	346,781 MWH
Load Factor	88.98 %

Fuel Cost

Total Cost:	50,638,744.09 RM
Cost per Unit	14.56 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	619
Hydro	252
Syncon	308
Thermal	241
Total	1,420

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

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	14049	13336	12993	12589	12329	12242	12308	12611	13140	14572	15303	15722	15630	15317	15778	16057	16239	15992	14917	14920	15703	15511	14761	14525

Gas Usage

Station	(mmscfd)
GLGR	27
TJGS	183
Total TNB	210
CBPS	51
KLPP	61
NPRI	152
PGLA	98
PLPS	40
Total IPP	403
Total Gas	613
Total Gas Required	613

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Tuesday

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																											
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	6	3	10	19	9	5	4	11	8	4	15	19	11	8	3	4	2	4	1	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	13	51	93	155	187	262	334	368	339	349	341	344	428	365	289	248	201	192	166	116	83	37	7	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	4	4	2	3	3	4	4	5	2	4	4	3	3	3	2	4	4	4	4	2	3	3	4	2	3	3	4	4	4	5	2	3	4	4	4	4	4	4	3	3	4	2	2	4	3						
PCUF	CUFK	3	4	2	5	2	4	4	4	2	3	3	5	4	1	4	3	4	5	3	3	3	4	4	2	4	5	3	4	3	4	4	4	3	3	3	4	5	3	3	3	5	4	1	3	4	2					
Total Co-Gen		7	8	4	8	5	8	8	9	4	7	7	8	7	4	7	5	7	8	6	5	7	8	8	5	7	7	5	8	7	6	7	6	8	8	7	8	5	7	9	7	7	6	8	8	3	5	8	5			
Total Gen		14069	13722	13381	13221	13025	12829	12631	12501	12358	12378	12270	12373	12331	12536	12598	12820	13171	14089	14622	15084	15283	15514	15730	15749	15597	15415	15388	15576	15786	16093	16022	16133	16209	16104	16006	15588	14975	14833	14977	15803	15767	15649	15502	15124	14807	14681	14514	14286			
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	0	0	
TIE-HVDC		30	30	30	29	29	30	30	30	30	30	29	29	30	30	31	31	31	31	30	30	30	30	31	31	31	31	31	30	30	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	29	29	30				
TIE-PLTG		2	-11	27	32	15	-55	25	-24	11	64	10	66	5	72	-30	23	13	-16	31	-14	-39	-15	-10	-9	-51	19	53	14	-11	-53	-54	28	-48	-27	-5	35	40	2	39	32	45	24	-27	-32	28	-14	-28	-3			
Interconnection		32	19	57	61	44	-25	54	6	41	94	40	96	35	101	-1	53	43	14	62	17	-8	15	20	21	-21	49	83	45	20	-23	-24	59	-18	3	26	66	70	32	69	62	76	54	3	-1	58	15	1	26			
System Total		14049	13715	13336	13172	12993	12866	12589	12507	12329	12296	12242	12289	12308	12447	12611	12779	13140	14087	14572	15079	15303	15511	15722	15740	15630	15378	15317	15543	15778	16127	16057	16086	16239	16113	15992	15534	14917	14813	14920	15753	15703	15607	15511	15137	14761	14678	14525	14272			
SRev ST-Coal		440	547	734	726	723	823	826	948	1119	1115	1113	1117	1116	1014	995	994	979	504	312	272	218	164	163	175	181	382	240	202	149	192	187	178	189	193	184	168	428	434	227	230	260	331	336	443	453	453	388	609			
SRev CCGT-Gas		718	856	858	866	780	762	924	884	761	736	753	722	778	755	697	674	870	800	816	564	525	571	577	657	767	687	1017	1023	1072	856	864	682	572	689	715	1006	770	759	859	543	469	361	322	324	365	423	430	386			
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	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	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		302	302	302	302	302	302	302	302	489	489	489	489	338	489	338	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	338	374	187	187	187	187	187	187	187	187	187	187	187	187	338	338			
Hydro		95	117	112	119	104	95	101	98	94	98	91	92	96	223	93	228	97	93	157	155	280	283	286	282	291	345	307	377	235	281	279	279	275	289	215	336	305	289	517	222	240	255	236	223	250	541	246	237			
S.Reserve Total		1555	1822	2006	2013	1909	1982	2153	2232	2276	2438	2446	2420	2479	2330	2274	2234	2435	1886	1774	1480	1512	1507	1515	1603	1728	1903	2053	1940	1830	1516	1517	1326	1223	1358	1301	1697	1841	1820	1941	1182	1156	1134	1081	1177	1255	1604	1402	1570			