

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,286 MW
Distillate	0 MW
Total TNB	2,286 MW
Total IPP	19,402 MW
Total Co-Gen	0 MW
Total System	24,388 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	44
TJGS	191
Total TNB	236
CBPS	53
NPRI	152
SKSP	41
Total IPP	245
Total Gas	481
Total Gas Required	481

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	15,869 MW
TNB Generation	1,796 MW
IPP Generation	11,752 MW
Spinning Reserve	2,311 MW
Maximum Demand	13,540 MW
Net Energy	294,583 MWH
Load Factor	90.65 %

Generation Mix

Type	MWh	Percentage
Hydro	6,424	2.18 %
Gas	32,998	11.20 %
Total TNB	39,422	13.38 %
ST-Coal	202,219	68.65 %
LSS	1,922	0.65 %
Gas	51,698	17.55 %
Total IPP	255,839	86.85 %
Co-Gen	289	0.10 %
Total Co-Gen	289	0.10 %
Total Generation	295,550	100.33 %
PLTG	240	0.08 %
HVDC	727	0.25 %
Interconnection	967	0.33 %
Net Energy	294,583	100.00 %

Fuel Cost

Total Cost:	43,440,921.44 RM
Cost per Unit	14.71 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	493
Hydro	197
Syncon	1,160
Thermal	721
Total	2,571

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	26

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	12636	12139	11674	11303	11013	10800	10754	10709	10851	11859	12417	12804	12992	13104	13472	13461	13159	12697	12288	12494	13049	12933	12910	12823

Daily MW Generation on Thursday

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
PGAU	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
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	-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	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
TMGR	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
TMGR	HY04	41	56	42	41	41	42	42	42	42	41	45	41	42	43	43	42	43	0	0	0	0	0	0	0
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	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		185	218	189	186	177	177	178	180	183	211	200	177	177	177	198	179	176	180	177	174	176	196	174	
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	
BDLS	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
GNLS	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
JSLs	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	
PCUF	CUFG	13	13	12	12	12	12	10	10	10	10	11	10	10	9	8	9	8	8	8	7	8	8	5	6
PCUF	CUFK	6	3	4	5	4	5	4	4	5	5	6	5	4	2	5	7	5	5	5	5	5	5	4	3
Total Co-Gen		19	16	16	17	16	17	15	14	14	15	16	16	15	13	10	14	15	13	13	12	13	13	10	
Total Gen		12696	12412	12181	11940	11709	11530	11330	11200	11082	10936	10838	10761	10801	10858	10744	10564	10844	11489	11884	12202	12460	12625	12858	
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	31	30	30	30	30	31	31	30	30	29	29	30	30	31	31	30	30	31	31	30	30	31	31
TIE-PLTG		29	5	11	13	5	11	-4	25	39	8	9	12	16	33	4	-3	-38	-6	-5	6	12	-17	23	-3
Interconnection		60	36	42	44	35	40	27	55	69	38	38	41	47	63	35	29	-7	24	25	36	43	14	54	
System Total		12636	12376	12139	11896	11674	11490	11303	11145	11013	10898	10800	10720	10754	10795	10709	10535	10851	11465	11859	12166	12417	12611	12804	
SRev ST-Coal		688	788	878	899	923	949	955	904	862	1047	1049	1050	1051	1049	1052	1047	913	843	854	847	857	855	817	717
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		279	393	400	296	455	296	427	301	470	503	457	402	339	280	391	411	387	318	286	288	460	329	350	332
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		-1	2	2	1	2	1	3	4	4	3	2	2	3	5	8	4	3	5	5	6	5	5	8	7
Syncon		1355	1355	1355	1355	1355	1355	1355	1355	1355	1204	1204	1355	1355	1355	1204	1204	1204	1204	1204	1204	1204	1204	1204	1053
Hydro		124	91	120	123	123	132	132	131	129	126	249	260	132	132	132	262	133	136	132	137	140	138	269	140
S.Reserve Total		2445	2629	2755	2674	2858	2733	2872	2695	2820	3034	2961	2918	2880	2821	2937	2926	2927	2866	2825	2548	2652	2530	2527	