

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,347 MW
Distillate	0 MW
Total TNB	2,347 MW
Total IPP	18,474 MW
Total Co-Gen	0 MW
Total System	24,801 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,936	4.41 %
Gas	70,384	20.78 %
Total TNB	85,320	25.19 %
ST-Coal	195,707	57.77 %
LSS	3,488	1.03 %
Gas	54,307	16.03 %
Total IPP	253,502	74.83 %
Co-Gen	150	0.04 %
Total Co-Gen	150	0.04 %
Total Generation	338,972	100.06 %
PLTG	899	0.27 %
HVDC	-698	-0.21 %
Interconnection	201	0.06 %
Net Energy	338,771	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:	15:30:00 Hour
Total Set On Bus	17,140 MW
TNB Generation	3,737 MW
IPP Generation	11,834 MW
Spinning Reserve	1,563 MW
Maximum Demand	15,586 MW
Net Energy	338,771 MWH
Load Factor	90.56 %

Fuel Cost

Total Cost:	52,758,919.73 RM
Cost per Unit	15.56 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	241
Hydro	250
Syncon	609
Thermal	440
Total	1,540

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	208
Total TNB	257
CBPS	53
NPRI	161
PGLA	50
Total IPP	264
Total Gas	521
Total Gas Required	521

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	14528	13807	13232	12759	12410	12166	12065	12030	12195	13519	14132	14499	14639	14626	15175	15517	15578	15337	14291	14112	15507	15556	15409	15424

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, August 5, 2021 11:00:32 PM Head
Grid System Operator
(Ir. Shanmugam Thoppalan)

Daily MW Generation on Wednesday

[illegible]

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									
KNYR	HY04	100	100	100	100	100	99	100	100	100	100	100	100	100	100	100	100	100	99	99	97	58	60	58	100	99	96	97	98	98	99	100	100	
LPIA	HY01	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	14	14	14	14	14	14	14	14	14	14	12	12	12		
LPIA	HY02	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12		
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	5	5	5	3	3	3	6	6	6	2	2	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	30	50	31	0	0	32	47	47	31	31	0	0	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	31	51	50	50	30	50	30	30	30	30	50	50	30	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	0	0	0	50	50	30	30	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	25	25	25	25	0	0	17	25	25	25	25	25	17	17	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	25	25	25	25	0	0	0	0	25	25	25	25	0	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	25	25	25	25	17	17	17	17	25	25	25	25	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	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY02	34	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	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	50	82	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY04	41	45	44	42	41	42	41	41	41	41	41	42	42	47	84	40	59	59	40	76	68	85	41	62	59	42	80	69	42	41	40	41	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	74	24	-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	93	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	5	5	5	4	5	4	4	5	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	5	4	4	4	4	
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Total Hydro		549	461	462	457	446	427	426	443	484	449	447	465	452	447	506	417	574	482	517	519	502	423	538	645	516	528	525	591	744	818	753	722	782
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	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	0	0	0	0	0	0	0	0	
BKLS	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	0	0	0	0	0	0	0	0	
BSLS	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	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	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	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	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	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	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	0	0	0	0	0	0	0	0	
KRLS	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	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	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	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	0	0	0	0	0	0	0	0	
STLS	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	0	0	0	0	0	0	0	0	
TBLS	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	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	0	0	0	0	0	0	0	0	
PCUF	CUFG	3	3	3	5	3	3	5	3	3	3	5	2	2	5	2	4	3	2	5	3	2	4	3	2	4	3	4	3	2	3	2	5	3
PCUF	CUFK	3	3	3	3	3	4	3	3	3	2	4	2	3	4	3	3	2	2	3	1	3	3	3	4	2	3	3	3	2	3	3	4	
Total Co-Gen		6	6	6	8	6	7	8	6	6	5	9	4	5	9	5	7	5	4	8	5	5	5	6	5	7	7	6	6	8	5	6	5	
Total Gen		14564	14119	13807	13466	13239	12978	12758	12593	12373	12267	12186	12057	12052	12106	12008	11826	12121	13008	13453	13848	14135	14339	14488	14714	14611	14583	14599	14970	15162	15457	15577	15577	
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	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		72	-6	37	44	42	54	34	53	-1	48	55	15	24	30	14	-33	-37	22	-29	1	39	41	26	59	8	1	9	52	23	14	96	27	
Interconnection		43	-35	7	14	14	26	6	25	-30	19	27	-13	-6	0	-15	-61	-67	-8	-59	-29	10	13	-4	29	-21	-28	-20	23	-6	-16	67	-2	
System Total		14528	14161	13807	13459	13232	12959	12759	12575	12410	12255	12166	12077	12065	12113	12030	11894	12195	13023	13519	13884	14132	14333	14499	14692	14639	14618	14626	14954	15175	15480	15517	15586	
SRev ST-Coal		476	765	821	816	853	915	940	954	951	956	952	952	951	954	953	956	952	869	706	573	584	558	562	558	551	558	546	405	355	376	357	426	

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		
SRev CCGT-Gas		213	207	212	207	235	201	207	313	391	442	533	671	668	618	527	425	300	264	317	304	333	297	297	273	328	300	296	299	297	299	316	210	171	129	141	191	208	297	311	197	210	169	170	165	155	153	175	163	
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
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
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
Syncon		825	825	825	825	825	825	825	825	825	825	825	825	825	825	674	825	825	825	825	825	825	825	825	638	638	825	825	638	738	551	551	674	638	638	638	825	825	825	825	638	277	277	277	464	464	277	313	464	
Hydro		236	137	136	141	128	123	124	172	166	201	203	185	198	203	295	233	76	168	133	131	172	227	112	192	321	122	125	246	93	206	296	254	230	231	226	181	260	239	312	190	392	494	391	342	324	402	484	406	
S.Reserve Total		1750	1934	1994	1989	2041	2064	2096	2264	2333	2424	2513	2633	2642	2600	2449	2439	2153	2126	1981	1833	1914	1907	1796	1661	1838	1805	1792	1588	1483	1432	1520	1564	1350	1387	1403	1673	1805	1876	1931	1511	1241	1246	1171	1300	1269	1168	1305	1353	