

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,173 MW
Distillate	0 MW
Total TNB	2,173 MW
Total IPP	16,594 MW
Total Co-Gen	0 MW
Total System	21,841 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,310	4.95 %
Gas	36,720	11.15 %
Total TNB	53,030	16.10 %
ST-Coal	194,914	59.16 %
LSS	2,101	0.64 %
Gas	77,274	23.45 %
Total IPP	274,289	83.25 %
Co-Gen	1,295	0.39 %
Total Co-Gen	1,295	0.39 %
Total Generation	328,614	99.74 %
PLTG	-160	-0.05 %
HVDC	-694	-0.21 %
Interconnection	-854	-0.26 %
Net Energy	329,468	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:	14:30:00 Hour
Total Set On Bus	16,446 MW
TNB Generation	2,331 MW
IPP Generation	12,522 MW
Spinning Reserve	1,540 MW
Maximum Demand	14,904 MW
Net Energy	329,468 MWH
Load Factor	92.11 %

Fuel Cost

Total Cost:	50,332,052.00 RM
Cost per Unit	15.31 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	218
Hydro	191
Syncon	617
Thermal	496
Total	1,522

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	108
Total TNB	138
CBPS	55
NPRI	159
PGLA	60
SGRI	32
Total IPP	307
Total Gas	445
Total Gas Required	445

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	14039	13370	13010	12501	12193	12046	11976	12111	12507	13866	14421	14739	14679	14487	14774	14882	14871	14488	13872	13967	14687	14310	13954	13757

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, September 2, 2021 9:07:57 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	
KNRG	HY03	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	22	34	34	20	22	21	21	21	22	22
KNYR	HY01	96	96	96	96	96	96	96	97	97	57	57	57	58	96	96	96	96	96	96	96	96	96	95	96	96
KNYR	HY02	97	97	97	97	97	98	97	97	97	56	56	58	57	98	97	97	97	97	97	97	97	97	96	97	96
KNYR	HY03	97	63	63	65	65	75	64	65	63	63	62	64	64	74	97	97	97	97	97	97	97	97	95	96	95
KNYR	HY04	98	64	90	98	90	98	58	96	58	59	57	64	57	77	58	78	98	98	98	96	98	98	98	98	98
LPIA	HY01	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	-1
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	48	0	0	0	51	51
SIHY	HY02	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	50	50	51	0	0	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	17	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	17	17	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	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	17	17	
TMGR	HY01	46	41	42	43	43	51	41	42	40	41	42	43	42	42	-1	-1	-1	82	82	42	40	43	40	40	39
TMGR	HY02	67	43	54	63	59	54	44	45	41	42	45	46	44	45	43	46	89	89	61	45	44	41	45	42	42
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	-1	84
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	-1
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		641	542	579	602	590	610	562	581	534	536	488	497	485	514	581	667	663	719	676	662	638	643	636	657	630
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	8	9	11	15	18	17	19	22	27
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	12	17	22	24	9	32	31	31	25
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	12	13	20	4	5	10	12	11	13
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	7	8	16	26	20	27	31	35	43	41
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	10	12	14	13	17	26	25	19	18
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	3	4	4	6	11	13	12	14	10
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	11	11	12	14	19	5	6	8	20	26
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	9	20	23	25	26	28	24	26	23
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	7	12	19	27	6	11	6	19	19	12
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	7	8	3	4	2	4	3	5	15
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	13	9	8	5	4	3	3	4	6	10
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	6	11	19	35	32	36	35	50	53
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	5	11	14	13	13	16	24	35	7
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	6	6	15	8	9	18	12	15	14
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	7	9	11	14	19	14	28	30	26
Total LSS		0	0	0	0	0	0	0	0	0	0	5	37	73	99	134	186	249	218	214	275	317	349	304	271	294
PCUF	CUFG	29	28	28	28	29	29	29	28	26	28	29	28	29	28	29	28	29	28	28	28	29	28	27	30	29
PCUF	CUFK	25	26	25	25	27	27	25	25	25	27	26	26	25	26	27	24	25	24	25	26	25	26	26	26	26
Total Co-Gen		54	54	53	53	56	56	56	53	51	53	56	54	54	55	53	55	55	56	52	52	51	53	54	53	56
Total Gen		13985	13572	13307	13055	12961	12639	12447	12365	12173	12060	12018	11972	11941	12052	12059	12143	12434	13231	13763	14142	14350	14527	14674	14742	14639
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
TIE-HVDC		-29	-29	-30	-30	-29	-29	-30	-30	-29	-28	-28	-29	-29	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-21	-40	-29	-24	-17	-63	-20	2	13	-7	3	4	-3	-24	-19	-7	-41	-29	-69	-30	-38	-2	-33	-1	-8
Interconnection		-50	-69	-60	-54	-46	-92	-50	-28	-16	-36	-25	-24	-32	-52	-48	-36	-69	-57	-99	-60	-67	-31	-62	-30	-37

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																										
System Total		14039	13645	13370	13112	13010	12734	12501	12397	12193	12100	12046	11999	11976	12107	12111	12183	12507	13292	13866	14206	14421	14562	14739	14775	14679	14551	14487	14660	14774	14904	14882	14841	14871	14745	14488	14188	13872	13731	13967	14615	14687	14470	14310	14169	13954	13986	13757	13472		
SRev ST-Coal		622	696	680	751	762	774	771	774	774	783	811	822	805	811	818	812	813	819	709	469	441	445	444	447	466	486	498	524	522	531	518	528	499	494	538	516	520	475	416	564	404	421	435	503	620	668	661	699		
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 CCGT-Gas		90	177	124	93	99	297	388	299	420	356	280	253	407	319	309	308	321	217	215	280	286	213	185	177	188	251	263	389	271	320	231	181	183	220	261	195	375	276	99	133	144	169	224	217	192	138	167	162		
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 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 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		651	651	651	651	651	651	500	651	651	651	651	651	651	651	651	587	738	738	651	651	651	651	651	651	500	651	651	651	651	651	651	651	500	651	651	651	338	651	277	464	651	500	651	651	464	651	651			
Hydro		142	241	205	182	194	174	372	202	249	247	346	337	349	319	319	292	55	59	90	133	147	171	167	174	304	180	178	129	111	39	40	286	156	302	99	158	185	311	65	389	272	246	407	227	270	194	124	132		
S.Reserve Total		1505	1765	1660	1677	1706	1896	2031	1926	2094	2037	2088	2063	2212	2100	2097	1999	1927	1833	1665	1533	1525	1480	1447	1449	1458	1568	1590	1693	1555	1541	1440	1646	1489	1516	1549	1520	1731	1400	1231	1363	1284	1487	1566	1598	1733	1464	1603	1644		