

Daily System Generation Summary on Tuesday

Tuesday, June 1, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,340 MW
Distillate	0 MW
Total TNB	2,340 MW
Total IPP	15,364 MW
Total Co-Gen	0 MW
Total System	21,255 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,626	4.86 %
Gas	55,333	16.18 %
Total TNB	71,959	21.05 %
ST-Coal	204,581	59.84 %
LSS	3,349	0.98 %
Gas	62,148	18.18 %
Total IPP	270,078	79.00 %
Co-Gen	164	0.05 %
Total Co-Gen	164	0.05 %
Total Generation	342,201	100.09 %
PLTG	-400	-0.12 %
HVDC	720	0.21 %
Interconnection	320	0.09 %
Net Energy	341,881	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:	20:30:00 Hour
Total Set On Bus	16,848 MW
TNB Generation	3,438 MW
IPP Generation	12,099 MW
Spinning Reserve	1,303 MW
Maximum Demand	15,523 MW
Net Energy	341,881 MWH
Load Factor	91.77 %

Fuel Cost

Total Cost:	53,358,615.24 RM
Cost per Unit	15.60 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	196
Hydro	466
Syncon	409
Thermal	389
Total	1,460

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	56
TJGS	212
Total TNB	268
CBPS	55
KLPP	43
NPRI	162
PLPS	70
Total IPP	330
Total Gas	598
Total Gas Required	598

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	15245	14502	13958	13384	12956	12660	12578	12316	12381	13257	13794	14175	14373	14545	14978	15396	15396	15111	14414	14470	15499	15523	15466	15319

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 5, 2021 5:16:49 PM

(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																								
CEND	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	7	7	7	7																							
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	65	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																								
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	36	36	36	26	26	26	26	36																								
KNRG	HY02	23	24	23	23	24	24	24	23	23	24	23	23	23	24	25	23	39	39	39	37	37	37	38	38																								
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	36	36	36	23	23	23	23	36																								
KNYR	HY01	55	99	98	-1	-1	-1	-1	-1	-1	-1	31	96	95	97	100	100	100	98	97	99	99	99	99	100																								
KNYR	HY02	62	79	59	60	78	78	87	59	59	101	58	60	73	57	57	58	101	101	95	57	58	97	99	96																								
KNYR	HY03	55	0	0	0	0	0	0	0	0	0	0	0	97	96	97	101	101	101	98	97	100	100	100	100																								
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2	99	98	99	101	101	101	98	97	100	100	-1	-1	61																								
LPIA	HY01	14	18	18	18	18	20	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22																								
LPIA	HY02	15	8	7	6	5	0	0	0	0	0	0	0	0	0	0	5	15	18	19	19	19	19	19	20																								
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																								
PGAU	HY01	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1																								
PGAU	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																								
PGAU	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																								
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	50	0	0	0	0	0	0	0	0	0	0	0	0	1	30	30	30	30	30	30	30	30	30	30																								
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17																								
SYPS	HY02	25	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	17	17	17	17	17	17	17	17	17																								
TMGR	HY01	34	34	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	84	84	84																								
TMGR	HY02	43	80	42	58	89	88	86	43	42	85	44	65	83	42	39	43	78	74	49	43	43	51	44	44																								
TMGR	HY03	0	0	0	0	0	0	0	0	0	31	32	32	31	0	0	0	0	0	0	0	0	0	0	0																								
TMGR	HY04	33	34	32	34	34	34	34	32	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																								
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	90	88	89	90	89	87	89	87																								
UJLI	HY02	92	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	70	95	89	87	87	94	95	95	93	91	91																								
UPIA	HY02	5	7	7	7	6	7	6	6	7	6	7	6	6	7	7	7	7	7	7	7	7	7	7	7																								
Total Hydro		602	421	358	243	290	288	295	221	220	273	232	256	523	487	496	654	676	1426	883	792	802	797	694	600	646	667	780	830	1116	1163	1147	902	925	781	634	546	424	494	930	1066	1059	1061	994	1001	1102	1085	840	
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	3	8	11	14	17	19	22	24	26	28	26	26	25	25	23	22	20	17	15	11	9	3	1	0	0	0	0	0	0	0	0			
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	10	15	18	19	18	19	29	16	10	8	1	0	5	6	4	1	1	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	4	8	12	17	20	24	27	28	30	17	30	30	30	9	23	9	7	5	2	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	2	3	11	18	23	27	32	34	38	17	44	23	44	38	9	24	35	21	14	13	10	4	1	0	0	0	0	0	0	0	0	0			
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	17	22	26	30	34	38	19	38	32	36	37	37	38	20	36	34	17	29	5	1	1	0	0	0	0	0	0	0	0	0		
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	12	13	13	24	26	28	28	29	13	26	27	26	25	22	19	17	13	4	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	1	4	9	15	21	27	30	34	37	42	28	48	37	31	30	5	10	12	4	3	1	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	2	11	23	28	32	39	41	42	43	44	48	40	42	16	37	21	25	16	19	8	5	3	1	0	0	0	0	0	0	0	0	0		
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	15	21	27	30	34	36	34	41	43	46	21	8	5	10	23	13	10	5	3	1	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	1	5	10	15	19	23	26	27	30	30	30	30	24	4	2	4	6	1	3	4	4	3	1	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	2	6	12	18	25	30	31	41	32	44	36	30	43	30	45	42	37	33	27	21	13	12	2	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	2	6	12	21	30	35	41	26	50	52	31	38	52	52	52	48	38	40	35	31	25	15	6	2	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	1	5	8	14	22	27	30	34	36	38	30	28	23	41	11	5	2	5	7	8	9	6	3	1	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	2	4	7	11	15	18	22	16	23	6	4	24	7	28	27	26	22	21	15	5	1	1	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	2	8	16	23	29	30	30	30	30	30	30	30	30	30	30	30	20	29	28	23	16	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	18	67	146	235	314	370	427	440	472	487	440	480	452	443	368	293	299	310	228	201	117	66	24	6	0	0	0	0	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		
PCUF	CUFK	4	3	4	2	3	2	2	4	3	3	4	3	3	3	3	4	3	3	3	3	3	6	6	5	5	5	1	4	3	3	4	4	4	4	3	4	2	3	2	3	5	3	2	5	4	4	2	5	
Total Co-Gen		7	7	8	5	6	4	5	7	7	7	8	6	7	7	7	8	6	6	6	6	7	7	9	9	9	7	8	4	7	7	5	7	8	7	7	7	8	7	7	5	5	8	8	4	9	8	7	5	9
Total Gen		15259	14847	14543	14217	13961	13699	13383	13183	12965	12745	12656	12548	12562	12549	12331	12150	12395	12960	13298	13555	13814	13993	14180	14397	14427	14534	14620	14775	14967	15221	15378	15429	15391	15334	15124	14750	14470	14273	14507	15382	15544	15545	15527	15493	15471	15417	15349	15098	
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
TIE-HVDC		29	29	29	29	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	31	31	31	31	30	30	30	30	30		
TIE-PLTG		-13	-40	15	-27	-25	-38	-28	-22	-18	-66	-31	-45	-43	-21	-12	-20	-12	-7	14	-16	-7	-31	-22	2	27	25	48	-64	-39	-45	-45	-40	-32	-51	-14	-19	30	18	11	35	18	-6	-24	-24	-64	3	-17		
Interconnection		17	-10	44	2	6	-7	2	9	12	-36	-1	-15	-13	9	18	10	18	23	45	14	23	-1	8	32	57	55	78	-34	-8	-15	-15	-10	-2	-21	16	11	59	48	40	64	48	25	7	7	8	-34	33	12	
System Total		15245	14860	14502	14218	13958	13709	13384	13177	12956	12784	12660	12566	12578	12543	12316	12144	12381	12941	13257	13544	13794	13997	14175	14368	14373	14482	14545	14812	14978	15239	15396	15442	15396	15358	15111	14742	14414	14228	14470	15321	15499	15523	15523	15489	15466	15454	15319	15089	
SRev ST-Coal		508	677	724	718	955	984	1017	1021	1019	1019	1020	1017	1013	1020	1018	1019	1011	1018	915	919	854	804	688	444	417	392	364	364	237	267	247	258	203	201	217	336	411	414	407	171	141	138	148	158	139	141	149	157	
SRev CCGT-Gas		312	141	180	144	148	159	153	181	197	245	413	544	593	716	863	795	762	297	196	216	256	185	188	194	195	196	199	204	208	345	167	239	175	175	198	168	313	210	166	157	164	159	165	127	174	184	142	144	
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		414	752	752	940	940	940	940	940	1027	1027	1027	825	825	825	825	638	638	0	364	551	638	638	739	739	613	739	451	451	277	277	277	277	277	378	652	688	940	940	566	378	378	378	378	378	378	378	378	465	
Hydro		550	193	256	183	136	118	111	185	186	46	117	93	229	184	134	124	153	131	319	574	478	231	236	238	207	287	167	342	372	394	497	513	658	635	528	401	461	331	261	424	626	633	631	548	541	440	457	481	
S.Reserve Total		1784	1763	1912	1985	2179	2201	2221	2327	2342	2337	2577	2681	2660	2745	2840	2763	2564	2084	1430	2073	2139	1858	1750	1615	1558	1488	1469	1361	1268	1283	1188	1287	1313	1288	1321	1557	1873	1895	1774	1318	1309	1308	1322	1211	1232	1143	1126	1247	