

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,345 MW
Distillate	0 MW
Total TNB	2,345 MW
Total IPP	17,784 MW
Total Co-Gen	0 MW
Total System	22,977 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,581	5.82 %
Gas	36,908	11.56 %
Total TNB	55,489	17.38 %
ST-Coal	195,191	61.13 %
LSS	2,105	0.66 %
Gas	65,208	20.42 %
Total IPP	262,504	82.20 %
Co-Gen	1,309	0.41 %
Total Co-Gen	1,309	0.41 %
Total Generation	319,302	99.99 %
PLTG	-749	-0.23 %
HVDC	721	0.23 %
Interconnection	-28	-0.01 %
Net Energy	319,330	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:	11:30:00 Hour
Total Set On Bus	16,244 MW
TNB Generation	2,248 MW
IPP Generation	12,231 MW
Spinning Reserve	1,709 MW
Maximum Demand	14,546 MW
Net Energy	319,330 MWH
Load Factor	91.47 %

Fuel Cost

Total Cost:	48,698,946.69 RM
Cost per Unit	15.25 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	138
Hydro	231
Syncon	656
Thermal	664
Total	1,689

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	25

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	13301	12755	12332	12011	11696	11638	11671	11838	12164	13389	13909	14372	14371	14188	14347	14527	14476	14103	13628	13655	14241	13787	13491	13356

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, September 2, 2021 9:05:22 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

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																											
LPIA	HY02	25	25	25	25	25	25	26	26	26	26	26	26	18	18	20	20	20	20	20	18	15	15	22	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	3	3																								
PGAU	HY01	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1																									
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	47	47	48	47	51	51	51	49	48	48	47	47	48	48	47	47																		
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50																		
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	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	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	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	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	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	81	46	50	-1	-1	-1	-1	-1	62	62	61	-1	-1	-1	32	35	35																	
TMGR	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	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	79	32	31	-1	-1	-1	-1	60	59	59	57	58	60	82	82	33																		
TMGR	HY04	41	40	46	45	41	42	41	40	42	40	41	42	54	51	43	41	84	66	47	73	57	43	73	41	38	42	42	40	38	55	45	38	42	45	40	62	54	47	39	52	40	39	38	39	41	38	41	41			
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	91	-1	-1	-1	-1	-1	86	84	-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						
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
UPIA	HY01	6	5	5	5	5	5	6	5	5	6	6	5	6	6	5	6	6	6	5	6	5	6	5	6	5	6	5	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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
Total Hydro		627	627	631	618	593	616	591	575	541	534	536	556	585	722	708	605	683	774	440	524	595	633	663	712	706	624	605	602	623	681	915	1116	1044	1047	879	807	897	826	955	1414	1344	1187	1032	1008	988	996	999	950			
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	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	4	7	14	18	23	16	24	17	17	23	24	8	3	2	1	1	0	1	2	2	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	3	7	12	13	13	18	31	31	19	19	32	21	7	5	4	3	3	2	1	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	3	7	11	17	25	27	23	31	32	19	22	25	32	2	2	7	8	5	4	3	2	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	2	5	11	8	18	25	22	17	15	15	21	24	27	33	18	10	6	6	6	6	5	4	1	1	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	1	3	3	6	10	15	17	12	11	10	8	9	11	11	10	10	11	13	16	8	8	4	1	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	1	2	3	3	5	6	6	8	6	5	3	2	3	10	11	9	9	6	7	5	4	2	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	1	3	7	9	17	31	30	40	30	24	28	50	44	50	46	26	5	1	2	2	1	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	3	5	11	14	22	36	24	18	24	27	25	10	3	6	9	11	14	11	10	7	6	3	1	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	3	7	13	21	30	36	31	46	41	46	25	26	19	13	12	15	14	8	9	6	4	2	1	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	2	5	12	17	13	20	28	28	27	23	30	18	3	9	0	1	1	2	2	2	1	1	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	1	2	6	8	6	16	24	33	32	20	20	17	24	33	32	29	31	25	24	14	9	1	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	4	8	16	12	17	25	35	24	23	17	18	33	33	30	21	19	20	5	8	5	7	1	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	1	5	9	12	16	26	31	23	24	31	32	24	19	28	13	8	5	3	1	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	1	3	5	6	9	10	10	12	17	13	14	14	13	12	15	16	12	13	11	9	5	1	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	1	3	7	6	8	12	14	9	4	2	0	0	1	1	1	2	3	4	3	2	1	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	3	35	77	138	178	251	330	344	347	323	293	315	286	262	227	171	143	137	102	105	70	55	22	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	29	29	29	29	29	28	29	28	29	29	29	29	29	28	29	29	29	29	29	29	29	29	29	29	29	27	28	28	30	29	28	28	28	29	27	29	28	28	28	29	29	28	27	29	26	26	26				
PCUF	CUFK	23	26	26	28	26	25	26	26	25	27	26	26	26	26	27	26	26	26	26	27	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26			
Total Co-Gen		52	55	55	57	55	54	54	55	55	55	58	55	56	53	56	54	55	56	55	55	55	56	54	55	54	56	53	55	54	56	55	53	54	55	54	53	55	53	53	53	55	55	52	53	56	52	52				
Total Gen		13270	12946	12729	12512	12371	12141	12009	11829	11709	11663	11629	11635	11627	11861	11832	11767	12043	12865	13355	13686	13883	14117	14359	14535	14392	14282	14198	14309	14332	14403	14492	14452	14470	14393	14163	13829	13641	13518	13709	14262	14230	14049	13824	13662	13486	13461	13342	13126			
TIE-EGAT																																																				

Daily MW Generation on Friday

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		80	117	73	70	90	84	99	98	87	107	102	72	71	70	76	109	13	191	250	191	111	132	72	156	269	147	109	167	194	75	117	147	87	96	156	83	75	103	176	124	100	110	178	99	92	132	106	87		
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		825	825	825	825	825	674	825	825	825	825	825	825	825	638	638	674	674	525	738	825	825	825	638	638	825	825	674	825	638	464	464	464	825	825	699	825	638	151	277	464	587	738	738	651	651	651				
Hydro		84	84	80	93	118	246	120	136	170	176	174	154	125	176	190	257	179	236	357	187	116	128	98	236	242	137	156	158	288	129	232	205	287	284	108	81	166	111	219	507	452	297	329	165	195	249	246	295		
S.Reserve Total		1884	1940	2011	2034	2079	2057	2091	2110	2133	2158	2152	2101	2068	1936	1955	2093	1912	1943	2164	2012	1864	1893	1807	1710	1820	1813	1925	1856	1870	1732	1510	1326	1319	1351	1593	1622	1620	1717	1654	1390	1426	1473	1703	1746	1803	1828	1835	1987		