

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,038 MW
Distillate	0 MW
Total TNB	2,038 MW
Total IPP	18,038 MW
Total Co-Gen	0 MW
Total System	24,355 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,599	3.45 %
Gas	61,820	18.40 %
Total TNB	73,419	21.86 %
ST-Coal	179,287	53.37 %
LSS	4,127	1.23 %
Gas	78,949	23.50 %
Total IPP	262,363	78.10 %
Co-Gen	1,182	0.35 %
Total Co-Gen	1,182	0.35 %
Total Generation	336,964	100.31 %
PLTG	325	0.10 %
HVDC	720	0.21 %
Interconnection	1,045	0.31 %
Net Energy	335,919	100.00 %

Maximum Demand Record

Date: 5/10/2022	19,101 MW
Date: 5/10/2022	396,694 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,898 MW
TNB Generation	4,354 MW
IPP Generation	11,550 MW
Spinning Reserve	948 MW
Maximum Demand	15,907 MW
Net Energy	335,919 MWH
Load Factor	87.99 %

Fuel Cost

Total Cost:	83,569,662.32 RM
Cost per Unit	24.80 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	280
Hydro	463
Syncon	409
Thermal	272
Total	1,424

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	46
SRDG	2
TJGS	150
Total TNB	198
CBPS	50
EMPP	208
NPRI	151
PCGP	89
SPGP	210
Total IPP	709
Total Gas	906

Total Gas Required 906

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	13463	12959	12454	12031	11758	11559	11549	11638	12133	13564	14332	14762	14740	14649	15107	15505	15643	15576	14867	14741	15907	15719	15307	15181

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, May 11, 2022 11:50:42 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

[illegible]

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	
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
LPIA	HY02	20	20	21	21	21	21	21	21	20	21	20	20	20	20	20	20	20	20	20	20	20	20	20	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	HY03	20	21	21	21	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	21	21	20	
PGAU	HY04	20	20	19	20	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	19	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30	50	50	30	50	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30	50	50	30	50	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	25	25	25	25	25	17	17	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	17	17	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	25	25	
TMGR	HY01	41	40	64	42	86	44	51	45	42	43	43	59	44	43	43	85	81	43	86	86	86	86	86	86	
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	33	0	0	0	88	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	82	31	32	31	32	33	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	85	-1	-1	-1	-1	85	
UJLI	HY01	90	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	92	88	-1	-1	-1	-1	-1	-1	-1	147	153	144	134	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	111	165	184	186	98	89	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
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	
Total Hydro		358	267	291	270	276	231	241	235	224	225	227	243	315	319	313	231	276	269	242	382	542	372	308	307	344
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	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	
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	
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	
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	
JELS	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	
KDLS	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	
KMLS	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	
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	
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	
PKLS	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	
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	
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	
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	
PCUF	CUFG	27	27	27	27	28	27	28	29	28	29	27	26	28	26	27	26	23	24	23	23	18	17	19	19	17
PCUF	CUFK	26	26	26	26	26	27	26	27	25	28	27	26	26	26	25	25	26	26	26	27	26	25	27	26	
Total Co-Gen		53	53	53	53	54	54	53	55	56	53	57	54	52	54	52	52	51	48	50	48	48	48	49	44	43
Total Gen		13508	13230	12958	12737	12482	12357	12064	11945	11781	11711	11593	11520	11619	11731	11716	11709	12196	13070	13589	13976	14319	14659	14816	14914	
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		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		15	24	-31	8	-2	42	3	-31	-7	2	4	-21	40	14	48	9	33	53	-5	-18	-43	3	24	2	
Interconnection		45	54	-1	38	28	72	33	-1	23	32	34	9	70	44	78	39	63	83	25	12	-13	33	54	32	

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																								
System Total		13463	13176	12959	12699	12454	12285	12031	11946	11758	11679	11559	11511	11549	11687	11638	11670	12133	12987	13564	13964	14332	14626	14762	14882	14740	14593	14649	14859	15107	15399	15505	15559	15643	15773	15576	15193	14867	14627	14741	15662	15907	15876	15719	15591	15307	15267	15181	15030
SRev ST-Coal		548	543	589	655	666	661	768	782	785	782	779	783	782	782	781	782	783	654	651	497	472	365	356	356	365	368	406	391	231	215	158	166	169	164	171	170	146	161	173	171	170	163	162	162	176	167	144	275
SRev CCGT-Gas		282	475	524	553	480	544	535	515	556	522	542	865	376	385	401	444	475	245	130	213	225	327	454	242	375	561	783	550	439	332	375	383	387	302	309	336	484	696	595	149	148	152	153	145	197	306	396	397
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	
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	
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	5	4	37	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
Syncon		489	676	676	676	676	676	676	676	676	676	676	676	489	489	489	676	676	676	676	676	588	401	401	676	676	676	676	676	676	676	489	489	302	214	126	214	401	401	401	126	126	126	126	126	214	214	214	401
Hydro		436	340	316	337	331	376	366	372	383	382	380	364	479	475	481	376	376	331	338	365	337	439	609	398	399	362	349	350	359	369	430	374	394	394	490	679	616	618	522	463	499	521	627	678	792	772	784	531
S.Reserve Total		1755	2034	2105	2221	2153	2257	2345	2345	2400	2362	2377	2688	2126	2131	2152	2278	2310	1906	1795	1751	1622	1532	1820	1672	1815	1967	2214	1967	1705	1592	1452	1412	1252	1074	1096	1399	1734	1963	1778	996	948	966	1105	1111	1379	1459	1538	1604