

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,462 MW
Distillate	0 MW
Total TNB	2,462 MW
Total IPP	19,764 MW
Total Co-Gen	0 MW
Total System	25,867 MW

Generation Mix

Type	MWh	Percentage
Hydro	27,440	7.46 %
Gas	35,720	9.71 %
Total TNB	63,160	17.17 %
ST-Coal	222,737	60.55 %
LSS	3,647	0.99 %
Gas	77,997	21.20 %
Total IPP	304,381	82.74 %
Co-Gen	551	0.15 %
Total Co-Gen	551	0.15 %
Total Generation	368,092	100.06 %
PLTG	-516	-0.14 %
HVDC	723	0.20 %
Interconnection	207	0.06 %
Net Energy	367,885	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,653 MW
TNB Generation	3,219 MW
IPP Generation	13,811 MW
Spinning Reserve	1,604 MW
Maximum Demand	16,984 MW
Net Energy	367,885 MWH
Load Factor	90.25 %

Fuel Cost

Total Cost:	118,780,217.35 RM
Cost per Unit	32.27 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	754
Hydro	485
Syncon	240
Thermal	365
Total	1,844

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	55
Total TNB	84
CBPS	53
EMPP	206
NPRI	123
PCGP	67
PGLA	57
SPGP	156
Total IPP	663
Total Gas	746

Total Gas Required 746

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	14993	14317	13862	13429	13130	12985	13264	13447	13769	15427	16131	16498	16275	15899	16513	16888	16984	16772	15883	15930	16866	16710	16012	15496

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, September 6, 2022 3:23:06 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	HY01	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	99	100	100	100	99		
KNYR	HY02	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105		
KNYR	HY03	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	103	103	103	104	104		
KNYR	HY04	100	100	100	100	101	101	100	100	100	100	100	101	101	100	100	101	101	101	101	101	101	101	100	101		
LPIA	HY01	15	15	15	15	12	12	12	12	12	12	12	12	16	16	16	16	16	16	16	16	16	16	16	16		
LPIA	HY02	17	15	15	15	15	15	15	15	15	14	14	14	16	16	16	15	15	15	16	16	16	16	16	16		
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	0	0	0	0	19	20	20	20	20	20	20	20	19	20	20	20	20	20	20	21	21	21	21	20		
PGAU	HY02	21	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	22	22	22	22	21	21	23	21		
SIHY	HY01	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0		
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0		
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0		
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	0		
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	0		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	0		
TMGR	HY01	83	84	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	84	84	84	84	84	84	84	84	84	84	84		
TMGR	HY02	85	2	0	0	0	-1	-1	-1	-1	-1	-1	-1	65	89	89	88	89	88	89	88	88	88	88	87		
TMGR	HY03	80	81	32	83	83	83	0	0	0	0	0	0	0	30	30	30	30	28	30	30	30	30	30	33		
TMGR	HY04	82	84	64	84	84	53	50	39	38	38	40	42	81	85	85	59	75	84	37	82	83	84	83	84		
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	90	87	84	123		
UJLI	HY02	84	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	95	85	81		
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		1339	927	735	807	860	828	804	758	753	754	755	759	802	839	747	785	945	954	905	982	1045	1045	1070	1078	1215	
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		
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	4	6	4	8	10	7	6	10	18	0	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	9	10	16	19	15	13	13	13	0	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	9	13	14	9	8	9	10	0	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	7	10	16	9	10	10	8	15	0	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	8	9	23	25	21	25	22	21	0	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	9	11	11	10	11	12	12	14	0	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	5	8	9	8	8	9	10	12	0	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	7	16	23	21	15	7	6	5	0	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	13	25	31	35	23	21	22	0	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	11	12	15	11	12	11	12	0	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	5	4	6	10	13	9	8	8	0	
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	13	21	30	49	30	30	35	41	0	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	6	9	12	4	18	14	11	0	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	7	9	14	20	31	27	44	28	31	0	
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	14	19	13	24	38	45	58	83	54	60	0	
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	11	31	47	63	62	78	83	98	77	114	0	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	5	6	13	20	33	43	32	29	0	
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	10	8	6	7	13	15	18	23	29	0	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	9	10	15	13	15	17	17	21	0	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	17	18	30	30	15	19	30	22	0	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	9	47	74	128	200	286	366	430	509	448	457	525	491	0
PCUF	CUFG	20	18	19	19	18	19	18	18	16	18	18	20	20	20	20	21	20	19	17	18	16	16	15	17	16	0

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	
PCUF	CUFK	4	3	3	4	4	4	5	4	3	5	4	3	4	4	3	4	5	5	5	5	5	2	4	4	5	5	4	5	7	5	4	4	3	5	4	4	4	4	5	5	5	6	4	5	5	5	4	4
Total Co-Gen		24	21	22	23	22	23	23	22	19	23	22	23	24	24	23	25	25	24	22	23	21	18	19	21	21	22	19	22	25	20	20	20	19	23	22	23	25	24	27	27	26	26	25	27	25	27	26	26
Total Gen		15008	14649	14312	14076	13848	13651	13416	13300	13124	12999	13001	13044	13270	13503	13462	13466	13806	14818	15493	15923	16113	16418	16524	16459	16303	15965	15930	16283	16478	16853	16956	16925	17049	16934	16800	16415	15946	15682	15963	16542	16884	16866	16730	16362	16035	15821	15482	15218
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	
TIE-HVDC		29	30	30	30	30	31	31	30	30	31	31	29	31	30	30	30	31	29	31	31	29	29	29	29	31	31	31	31	31	31	31	31	30	29	30	30	29	29	30	30	30	30	30	30	30	30	31	
TIE-PLTG		-15	-46	-35	-81	-44	-49	-44	8	-36	-10	-15	-6	-25	-11	-15	0	6	-17	37	-32	-50	-6	-2	-103	-1	-47	0	-38	-66	-28	37	9	34	-75	-2	58	33	-45	4	-32	-12	-3	-10	-111	-7	-52	-44	-44
Interconnection		15	-16	-5	-51	-14	-18	-13	38	-6	21	16	23	6	19	15	30	37	14	66	-2	-18	22	26	-74	28	-15	31	-8	-35	3	68	40	65	-46	28	88	63	-16	33	-2	18	27	20	-81	23	-22	-14	-13
System Total		14993	14665	14317	14127	13862	13669	13429	13262	13130	12978	12985	13021	13264	13484	13447	13436	13769	14804	15427	15925	16131	16396	16498	16533	16275	15980	15899	16291	16513	16850	16888	16885	16984	16980	16772	16327	15883	15698	15930	16544	16866	16839	16710	16443	16012	15843	15496	15231
SRev ST-Coal		354	460	512	597	819	852	908	899	974	983	972	976	983	986	922	915	885	889	577	393	383	337	324	337	320	321	348	324	332	345	365	364	351	334	362	368	373	362	370	352	357	352	369	365	376	409	480	409
SRev CCGT-Gas		2018	1638	1537	1419	1382	1505	1483	1547	1573	1488	1440	1403	1298	1266	1351	1416	1428	779	942	891	856	675	672	809	923	1268	1299	1014	788	663	634	603	665	573	616	747	974	1327	1057	593	626	654	686	935	1123	1229	1181	1167
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
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
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
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		187	500	500	588	588	676	676	676	676	676	676	676	676	489	676	500	500	500	500	500	500	500	500	500	500	500	500	374	374	187	187	187	0	0	126	126	126	374	187	0	0	0	0	0	0	0	0	126
Hydro		343	282	300	227	194	225	287	333	468	467	466	462	419	444	349	400	327	318	367	377	439	439	444	436	461	459	503	500	499	595	532	534	588	632	496	713	576	326	491	566	353	351	455	574	661	712	571	532
S.Reserve Total		2902	2880	2936	2831	3070	3258	3354	3455	3691	3614	3554	3517	3376	3185	3298	3318	3140	2486	2386	2161	2178	1951	1940	2082	2204	2548	2650	2212	1993	1790	1718	1688	1604	1539	1600	1954	2049	2389	2105	1511	1336	1357	1510	1874	2160	2350	2232	2321