

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,300 MW
Distillate	0 MW
Total TNB	2,300 MW
Total IPP	18,331 MW
Total Co-Gen	0 MW
Total System	24,633 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,603	2.95 %
Gas	35,098	10.77 %
Total TNB	44,701	13.71 %
ST-Coal	189,093	58.01 %
LSS	5,757	1.77 %
Gas	85,937	26.36 %
Total IPP	280,787	86.14 %
Co-Gen	889	0.27 %
Total Co-Gen	889	0.27 %
Total Generation	326,377	100.12 %
PLTG	-71	-0.02 %
HVDC	474	0.15 %
Interconnection	403	0.12 %
Net Energy	325,974	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 4/13/2023	407,278 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,797 MW
TNB Generation	2,414 MW
IPP Generation	12,579 MW
Spinning Reserve	1,798 MW
Maximum Demand	15,003 MW
Net Energy	325,974 MWH
Load Factor	90.53 %

Fuel Cost

Total Cost:	77,765,044.69 RM
Cost per Unit	23.83 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	682
Hydro	254
Syncon	1,036
Thermal	601
Total	2,573

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	29
Total TNB	29
CBPS	41
EMPP	257
NPRI	147
PCGP	81
PLPS	36
SPGP	196
Total IPP	758
Total Gas	787
Total Gas Required	787

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	14881	14359	13732	13183	12870	12594	12400	12159	11632	12093	12785	13278	13382	13605	13940	14105	14065	13914	13709	14069	15003	14943	14576	14499

Daily MW Generation on Sunday

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
PGAU	HY01	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
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
SYPS	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
SYPS	HY03	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
TMGR	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
TMGR	HY02	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	47	40	44	41	39	36	41	41	38	41	46	41	40	41	41	37	37	42	82	48	84	84	83	85
UJLI	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
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
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		390	345	332	329	324	315	327	326	319	285	296	288	286	306	307	280	276	225	265	231	267	269	270	269
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
BDSL	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
GBLS	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
KNLS	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
MALS	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
MNLS	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
ESTL	ESTL	21	22	23	22	22	24	21	22	22	22	21	22	23	21	22	24	23	24	25	27	26	22	12	13
KHTC	BLK1	0	0	0	0	2	3	2	3	2	0	3	2	2	7	9	4	3	0	0	0	0	0	0	0
PCUF	CUFK	2	3	3	4	4	3	5	4	4	4	3	4	3	5	3	4	3	4	3	2	4	3	3	3
PCUF	CUFK	19	17	17	19	19	19	20	19	18	18	17	18	18	19	20	20	21	20	20	21	20	20	20	20
Total Co-Gen		42	42	43	45	45	48	49	47	47	46	46	48	48	53	56	50	48	49	44	45	48	47	47	48
Total Gen		14924	14575	14360	14147	13760	13610	13201	13084	12898	12705	12604	12476	12447	12424	12209	11735	11677	11922	12129	12424	12847	13189	13340	
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		35	35	33	33	33	33	33	33	33	33	33	33	31	32	42	40	40	43	43	43	43	44	44	0

Daily MW Generation on Sunday

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																											
TIE-PLTG		8	-19	-32	-10	-6	20	-15	-25	-5	-28	-23	3	14	17	17	11	13	18	-4	5	19	13	20	38	20	17	-4	24	8	-19	-53	-31	-5	-11	23	11	4	-30	-15	-10	-4	2	-19	-31	-17	-12	-13	-25			
Interconnection		43	16	1	23	28	53	18	9	28	5	10	36	47	51	50	42	45	59	36	45	62	55	62	81	63	61	-4	24	8	-19	-53	-31	-5	-11	23	11	4	-30	-15	-10	-4	2	-19	-31	-15	-12	-13	-25			
System Total		14881	14559	14359	14124	13732	13557	13183	13075	12870	12700	12594	12440	12400	12373	12159	11693	11632	11863	12093	12379	12785	13134	13278	13361	13382	13453	13605	13877	13940	14091	14105	14059	14065	14076	13914	13823	13709	13756	14069	14848	15003	14981	14943	14861	14576	14497	14499	14234			
SRev ST-Coal		182	140	406	544	582	643	507	573	619	631	580	519	474	566	527	537	742	666	608	545	525	542	769	797	795	835	828	783	776	811	781	643	651	657	605	552	561	531	433	240	181	168	210	291	297	295	299	668			
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	0	
SRev CCGT-Gas		438	734	670	737	1084	1168	1189	1212	1337	1487	1643	1828	1901	1964	2144	2607	2575	2401	2451	2448	2207	1872	1546	1257	1118	1089	1070	717	574	371	281	381	276	228	334	477	588	599	575	377	442	475	490	384	451	447	415	242			
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	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	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	0
Syncon		966	1054	1205	1205	1205	1205	1205	1205	1205	1205	1054	1054	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205	1054	1054	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205	1356	1356	1356	1205	764	676	676	676	802	802	752	903	716			
Hydro		353	310	172	175	180	189	177	178	185	219	208	216	218	349	348	224	228	179	139	173	137	135	134	135	133	132	265	267	150	115	100	128	141	230	313	151	133	127	261	392	499	496	499	436	436	559	428	370			
S.Reserve Total		1939	2238	2453	2661	3051	3205	3078	3168	3346	3542	3636	3768	3798	3933	4073	4573	4750	4451	4403	4371	4074	3754	3654	3394	3251	3261	3217	2821	2705	2502	2367	2357	2273	2320	2457	2536	2638	2613	2474	1773	1798	1815	1875	1913	1986	2053	2045	1996			