

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,072 MW
Distillate	0 MW
Total TNB	2,072 MW
Total IPP	18,625 MW
Total Co-Gen	0 MW
Total System	24,405 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,401	4.29 %
Gas	43,660	11.43 %
Total TNB	60,061	15.72 %
ST-Coal	223,647	58.53 %
LSS	7,082	1.85 %
Gas	90,927	23.80 %
Total IPP	321,656	84.18 %
Co-Gen	515	0.13 %
Total Co-Gen	515	0.13 %
Total Generation	382,232	100.03 %
PLTG	571	0.15 %
HVDC	-449	-0.12 %
Interconnection	122	0.03 %
Net Energy	382,110	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 4/12/2023	401,811 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	19,277 MW
TNB Generation	3,297 MW
IPP Generation	14,760 MW
Spinning Reserve	1,204 MW
Maximum Demand	18,143 MW
Net Energy	382,110 MWH
Load Factor	87.75 %

Fuel Cost

Total Cost:	95,503,705.31 RM
Cost per Unit	24.98 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	488
Hydro	433
Syncon	537
Thermal	322
Total	1,780

Time Weather Temperature

Afternoon	Hot	36
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	47
Total TNB	76
CBPS	45
EMPP	304
NPRI	137
PCGP	89
SPGP	208
Total IPP	782
Total Gas	858
Total Gas Required	858

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	15443	14653	14102	13721	13395	13528	13655	13451	14011	15404	16117	16600	16467	16457	17344	17828	18143	17626	16912	16900	17460	17729	17441	17192

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
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
LPIA	HY02	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
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	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	90	81	22	22	21	20
PGAU	HY02	0	0	0	0	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	83	87	83	-1	-1	-1	-1
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0
SIHY	HY01	30	51	51	51	51	51	51	0	0	0	0	0	0	0	0	0	30	30	30	50	50	50	50	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	50	50	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	50	50	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17
SYPS	HY03	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	17	17
SYPS	HY04	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17
TMGR	HY01	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	86	85	85	85	85	87	84	86
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	85	87	84	86	85	86
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	83	83	84	81	30	85	85
TMGR	HY04	36	41	41	41	41	41	45	41	44	41	49	43	43	42	41	40	54	80	41	41	41	41	45	45
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	93	91	180	183	183	176	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	50	93	93	96	101	87	99	94
UPIA	HY01	5	5	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	5	5	5	4	4	4	5	4	4	4	4	4	4	4	4	5	5	4	4	5	5	4	4	4
Total Hydro		431	456	420	438	339	358	343	339	292	291	319	332	331	331	347	348	342	390	347	346	346	338	346	364
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	1	2	7	10	13	12	9	23	25	21	27
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	12	17	22	22	25	8	30	33
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	12	14	24	16	28	33	33	21	29
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	15	22	30	35	39	29	36	21	24
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	17	23	29	30	36	30	45	22
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	10	12	16	20	23	26	28	27	30
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	21	27	35	34	25	30	15	31	46
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	16	24	21	17	29	28	26	17
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	15	24	29	39	25	26	38	35
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	14	24	33	58	68	59	92	87	79	62
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	13	28	29	23	33	16	44	38	47
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	12	16	23	26	16	25	36	35
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	28	46	61	74	84	94	100	100	100
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	13	18	22	26	30	30	30	25	25
MALS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	12	20	26	29	29	29	29	29	16
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	12	19	27	33	38	27	30	48	48
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	30	56	77	85	90	94	77	42	97	96
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	17	33	54	64	85	84	90	91	112	117	99
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	13	21	30	31	35	37	51	28	21
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	18	23	29	33	38	41	43	45	45
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	9	12	15	17	20	16	9	17
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	18	20	19	25	26	30	30	30
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	19	119	280	457	608	744	809	836	838	931	915
ESTL	ESTL	10	11	11	13	16	15	6	7	17	20	20	15	15	11	13	14	13	13	3	16	15	7	6	10
PCUF	CUFG	3	4	4	4	3	5	3	3	3	4	3	5	3	4	3	4	4	5	4	3	3	4	2	5

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	3	3	3	3	2	3	2	5	2	3	3	4	2	3	4	3	4	2	2	4	1	4	4	3	3	2	2	3	4	2	3	3	4	8	8	7	10	9	7	8	8	8	8							
PFTZ	PFTZ	1	1	4	4	4	4	4	4	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 Co-Gen		17	19	22	24	25	27	15	19	27	32	31	29	25	23	23	25	24	24	16	29	26	19	17	19	24	26	30	30	29	32	32	28	16	13	11	11	11	11	13	17	16	16	21	17	16	16	15	17	17	
Total Gen		15485	14985	14686	14393	14129	13897	13737	13520	13422	13481	13557	13598	13685	13848	13507	13539	14052	14862	15456	15762	16092	16403	16562	16683	16424	16397	16418	16767	17320	17665	17791	18042	18073	17957	17619	17111	16900	16700	16877	17149	17436	17728	17732	17746	17508	17441	17256	16876		
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		
TIE-HVDC		29	33	33	30	29	31	31	30	30	30	30	30	31	29	29	31	30	-49	-49	-50	-50	-50	-50	-48	-50	-51	-50	-50	-97	-99	-97	-99	-97	-97	-97	-98	-98	-98	-50	-50	-50	-48	31	32	32	30	30			
TIE-PLTG		13	-18	0	2	-2	4	-15	-3	-2	-3	0	0	0	16	27	16	10	20	22	4	23	5	12	21	7	30	12	7	26	38	60	65	27	45	91	63	87	29	75	71	25	47	51	20	36	20	34	22		
Interconnection		42	15	33	32	27	35	16	27	27	27	29	29	30	47	56	45	41	50	52	-44	-25	-45	-38	-28	-43	-18	-39	-44	-24	-11	-37	-34	-70	-54	-7	-34	-12	-69	-23	21	-24	-3	3	50	67	51	64	52		
System Total		15443	14970	14653	14361	14102	13862	13721	13493	13395	13454	13528	13569	13655	13801	13451	13494	14011	14812	15404	15806	16117	16448	16600	16711	16467	16415	16457	16811	17344	17676	17828	18076	18143	18011	17626	17145	16912	16769	16900	17128	17460	17731	17729	17696	17441	17390	17192	16824		
SRev ST-Coal		435	565	689	740	735	889	916	913	918	937	945	934	928	943	991	974	937	928	804	612	441	412	362	339	462	732	336	304	333	305	252	257	273	271	234	245	261	282	265	230	227	133	139	147	133	201	206	296		
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 CCGT-Gas		1098	1063	910	973	973	875	952	1025	1078	1009	945	931	834	665	928	983	687	386	575	976	1078	958	882	807	1083	845	751	423	466	212	256	249	215	180	384	210	252	408	349	368	146	210	202	196	214	353	660	691		
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
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		777	777	777	626	878	878	1117	1029	1029	1029	1029	1029	1029	1029	878	878	1029	928	928	928	928	928	928	928	928	928	928	928	590	554	554	403	403	252	252	590	590	590	777	590	590	0	0	187	187	187	374			
Hydro		229	204	240	373	195	326	189	194	191	192	164	151	152	152	287	286	141	194	237	238	238	246	238	371	246	229	237	186	395	366	337	251	313	291	384	346	295	351	206	452	379	622	616	599	646	635	761	662		
S.Reserve Total		2713	2783	2790	2886	2955	3142	3261	3335	3390	3341	3257	3219	3117	2963	3258	3295	2968	2610	2718	2928	2859	2718	2584	2468	2894	3059	2426	2015	1871	1437	1399	1160	1204	994	1254	1391	1398	1631	1597	1640	1342	965	957	942	1180	1376	1814	2110		