

Daily System Generation Summary on Wednesday

Wednesday, April 6, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,026 MW
Distillate	0 MW
Total TNB	2,026 MW
Total IPP	17,301 MW
Total Co-Gen	0 MW
Total System	23,606 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,780	3.43 %
Gas	63,037	16.92 %
Total TNB	75,817	20.35 %
ST-Coal	203,884	54.72 %
LSS	3,359	0.90 %
Gas	88,954	23.87 %
Total IPP	296,197	79.50 %
Co-Gen	1,083	0.29 %
Total Co-Gen	1,083	0.29 %
Total Generation	373,097	100.14 %
PLTG	-166	-0.04 %
HVDC	678	0.18 %
Interconnection	512	0.14 %
Net Energy	372,585	100.00 %

Maximum Demand Record

Date: 3/29/2022	18,840 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	18,934 MW
TNB Generation	3,731 MW
IPP Generation	13,925 MW
Spinning Reserve	1,236 MW
Maximum Demand	17,683 MW
Net Energy	372,585 MWH
Load Factor	87.79 %

Fuel Cost

Total Cost:	99,018,875.71 RM
Cost per Unit	26.54 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	493
Hydro	556
Syncon	405
Thermal	227
Total	1,681

Time	Weather	Temperature
Afternoon	Hot	37
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	177
Total TNB	206
CBPS	47
EMPP	228
KLPP	1
NPRI	137
PCGP	74
PGLA	51
PLPS	47
SPGP	210
Total IPP	796
Total Gas	1,001
Total Gas Required	1,001

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	15011	14251	13747	13349	13203	13318	13438	13250	13833	15368	16079	16439	16353	16248	17039	17570	17664	16937	16353	16237	16800	16954	16565	16203

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, April 29, 2022 10:51:27 AM

(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			
JMAH	U001	704	707	706	709	707	705	706	704	705	704	706	706	660	704	706	711	708	705	706	706	705	706	704	707	705	703	
JMAH	U002	705	705	705	704	705	703	707	706	703	705	707	706	706	657	706	706	706	709	708	705	706	708	704	707	705	706	
JMHE	U002	977	983	921	919	909	850	847	852	849	852	849	851	849	849	853	853	850	849	906	971	981	980	983	978	981	977	
JMJG	U001	668	667	669	668	668	669	670	667	665	663	665	662	663	671	666	666	670	667	667	667	666	667	669	666	672	675	
JMJG	U002	657	654	640	657	662	641	644	579	607	584	616	612	640	626	657	647	651	641	649	640	598	597	601	596	597	601	
JMJG	U003	664	673	667	668	662	670	667	662	668	671	662	668	672	669	664	673	665	662	671	670	668	677	666	672	671	667	
JMJG	U005	975	974	905	896	897	847	848	854	851	849	848	848	851	850	853	851	849	849	896	969	975	978	972	972	972	972	
PKLG	U003	277	277	278	279	277	236	153	152	151	152	153	205	206	256	272	277	280	277	278	276	278	279	278	276	277	278	
PKLG	U004	276	272	273	275	280	225	155	150	155	160	158	190	205	254	280	276	272	271	274	200	207	204	213	249	278	273	
PKLG	U005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	76	92	103		
PKLG	U006	439	442	439	441	445	445	450	450	449	409	405	436	443	448	443	446	445	449	448	449	448	446	449	449	446	438	
TBIN	U001	698	698	696	696	701	696	700	697	699	699	698	697	697	697	678	696	696	696	697	696	696	693	693	694	697	695	
TBIN	U003	700	701	701	699	700	701	701	698	700	699	700	697	700	701	687	701	700	699	700	703	702	698	701	701	699	700	
TBIN	U004	937	940	939	937	901	853	852	853	853	852	854	853	853	852	853	852	855	901	937	939	938	938	940	938	939	938	
Total ST-Coal		8677	8693	8539	8548	8516	8243	8099	8026	8054	8000	8017	8132	8191	8286	8222	8349	8342	8332	8504	8591	8572	8574	8575	8602	8635	8645	8747
Total ST-Oil		0	0	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 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	
CBPS	BLK2	224	222	228	223	215	226	226	226	223	227	221	223	226	225	216	222	225	291	362	352	359	355	361	362	352	352	
EMPP	BLK1	408	453	441	497	406	423	414	417	411	420	410	412	497	499	396	411	560	688	707	698	711	708	709	711	696	694	
EMPP	BLK2	410	453	441	496	406	380	376	380	375	381	375	377	375	375	362	375	384	578	702	694	706	703	704	706	691	689	
EMPP	BLK3	0	0	0	0	51	49	0	0	0	0	50	0	0	0	0	0	0	0	17	17	107	188	187	194	236		
GLGR	GT02	93	95	95	94	95	95	95	95	95	95	95	95	94	96	95	95	95	95	95	95	95	95	95	95	95	95	
GLGR	ST1C	41	39	39	40	40	40	40	40	40	40	40	41	41	41	40	40	41	41	41	41	41	41	41	41	41	41	
KLPP	GT13	125	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	ST17	67	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NPRI	BLK1	395	341	339	313	303	316	314	312	311	317	309	307	310	311	295	302	317	499	511	506	512	512	514	515	502	501	
NPRI	BLK2	397	343	340	311	302	315	314	311	311	316	310	307	310	310	293	303	317	502	514	509	524	517	518	521	506	505	
PCGP	PGRG	601	267	261	265	261	267	266	265	261	272	260	262	263	261	262	260	271	481	597	590	601	599	601	602	586	586	
PGLA	GT11	171	173	171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGLA	GT12	174	177	174	155	157	161	161	161	159	162	160	159	160	160	159	159	163	154	159	156	158	159	218	214	181	155	
PGLA	ST10	204	204	116	97	92	92	93	92	92	92	91	91	91	89	91	91	90	89	89	91	91	99	110	106	90	90	
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
PLPS	GT13	125	125	125	125	125	124	125	125	125	125	124	124	124	125	125	124	125	125	124	125	125	125	125	125	125	125	
PLPS	ST18	58	57	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	58	58	57	58	58	60	110	
SPGP	BLK1	725	722	723	724	723	721	721	720	724	725	723	724	722	721	650	602	722	724	721	721	718	718	713	714	716	716	
SPGP	BLK2	726	723	727	727	727	725	724	724	727	726	726	727	726	725	726	600	725	723	726	724	722	720	721	718	716	715	
TJGS	GT1A	123	122	125	123	123	125	122	124	124	124	123	127	123	123	123	123	126	123	123	197	226	223	219	220	222	192	
TJGS	GT1B	116	118	118	115	117	117	121	117	114	116	117	113	118	118	117	117	116	115	117	185	214	216	213	212	214	187	
TJGS	ST1C	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	218	242	246	250	250	250	225	193	
TJGS	GT2A	129	129	129	129	129	129	129	129	131	131	131	129	129	130	128	129	129	129	149	200	216	216	216	216	167	130	
TJGS	GT2B	122	125	126	126	125	125	125	125	125	125	125	125	125	125	125	125	125	125	145	193	212	210	211	211	161	124	
TJGS	ST2C	198	198	198	198	198	198	198	198	198	198	196	196	196	196	196	196	196	196	208	227	253	253	255	255	222	197	
Total CCGT-Gas		5797	5283	5139	4980	4817	4850	4786	4783	4768	4815	4811	4761	4852	4854	4618	4496	4950	5898	6260	6476	6742	6872	7030	7041	6930	6711	
Total 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	
BSIA	HY01	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	
BSIA	HY03	21	12	12	12	11	12	12	12	12	12	11	12	12	12	11	12	12	11	11	11	12	22	22	22	22	22	
CEND	HY01	9	10	9	9	10	9	10	9	9	9	9	9	9	10	9	9	10	9	9	10	9	9	9	9	9	9	

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
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	8	7	8	7	8	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	7	7	7	7
HTRG	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
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	63	63	63	62
HTRG	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY01	35	34	35	23	22	0	0	0	0	0	0	0	0	0	0	0	34	35	34	35	21	21	21	35
KNRG	HY02	37	37	37	23	22	24	24	23	38	38	32	24	23	22	22	23	37	37	37	20	21	20	21	37
KNRG	HY03	36	36	36	23	22	23	23	23	37	37	37	23	22	22	23	23	36	36	36	22	23	23	23	36
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23
LPIA	HY02	22	24	24	24	23	23	22	22	23	23	22	22	22	22	22	23	23	23	23	23	23	23	22	23
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	20	20	20	21	20	21	20	20	20	20	20	21	21	21	20	21	21	21	20	20	20	20	21
PGAU	HY04	20	20	20	20	20	20	20	20	20	20	20	20	21	20	21	20	21	21	21	20	20	20	21	20
SIHY	HY02	50	50	50	50	50	50	50	50	50	30	30	30	30	30	30	50	50	50	50	50	50	50	50	0
SIHY	HY03	49	50	50	50	50	50	50	50	50	30	30	30	30	30	30	50	50	50	50	50	50	50	50	0
SYPS	HY01	17	17	17	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	0
SYPS	HY03	16	16	16	0	0	0	0	0	0	0	25	25	25	25	17	17	17	17	17	25	25	25	25	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	0
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	32	32	32	32	32	34
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	34	35	37	0	0	0	0
TMGR	HY03	41	47	40	42	40	47	42	41	63	43	41	61	45	37	42	83	36	41	39	40	40	41	40	53
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	61	86	30	31	86	-1	-1	-1
UJLI	HY01	90	93	92	101	92	110	103	102	-1	-1	93	89	-1	-1	-1	-1	-1	128	97	162	97	96	91	98
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	6	100	96	93	94	94	92	88
UPIA	HY01	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	5	5	5	5	5	5	5	5	5
UPIA	HY02	4	4	4	4	4	4	4	4	2	2	1	2	2	2	4	3	3	3	3	4	5	5	5	5
Total Hydro		544	525	518	456	443	449	437	433	328	379	451	398	358	341	330	367	408	350	355	353	355	357	368	394
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	1	2	4	6	15	19	18	23	26	28	28	9
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	12	14	17	10	24	22	21	20	31
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	8	11	20	23	26	28	21	20	20	29	18
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	6	9	17	22	28	33	37	40	42	43	44	42
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	10	14	28	35	40	28	25	29	25	24	21
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	5	9	8	15	10	14	13	12	12	14	20
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	14	14	25	32	37	24	25	19	23	26
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	10	23	34	28	66	76	83	68	62	61	56
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	13	11	23	33	34	30	28	22	26	28
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	7	13	19	22	27	22	21	20	18	23
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	3	15	16	11	25	30	26	26	27	24
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	6	20	7	3	8	6	9	9	14	10	6
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	12	21	28	35	41	45	49	50	50	50
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	10	15	27	31	39	44	33	46	40
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	5	18	21	21	17	10	4	3	6
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	12	30	30	30	30	30	30	12	16
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	14	63	135	205	287	394	462	467	457	448	408	424
PCUF	CUFG	23	24	23	23	20	19	20	20	20	19	20	20	19	20	18	18	18	17	15	14	15	14	15	16

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	26	26	26	26	26	27	26	26	27	27	27	26	25	27	26	25	26	26	26	25	26	25	25	25	26	26	26	26	27	25	27	25	27	26	27	26	26	27	25	26	26	26	24	25	28	26	27	24	
Total Co-Gen		49	50	49	49	46	46	46	46	47	46	47	46	45	47	45	45	45	44	44	43	44	42	40	39	41	40	41	42	43	40	45	42	43	42	42	41	42	43	48	49	48	50	47	49	51	50	50	48	
Total Gen		15067	14551	14245	14033	13822	13588	13368	13288	13197	13240	13326	13337	13446	13528	13215	13271	13808	14759	15368	15750	16107	16307	16480	16533	16403	16153	16271	16619	17075	17510	17587	17698	17736	17592	17079	16605	16390	16209	16255	16400	16766	17111	16984	16802	16562	16503	16213	15904	
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	29	29	31	29	31	29	29	30	30	0	0	0	31	28	29	31	31	31	31	29	29	30	30	31	31	30	31	29	31	31	29	29	30	30	30	30	31	31	32	29	31	29	31	31	30	30		
TIE-PLTG		27	-14	-35	-12	46	-22	-10	21	-36	-21	8	39	8	-27	-64	-45	-56	33	-31	-38	-2	-40	10	-34	19	-14	-7	-23	7	73	-14	-14	43	102	112	20	6	-23	-12	-68	-66	-70	-1	-62	-33	-24	-21	30	
Interconnection		56	15	-6	20	75	9	19	50	-6	9	8	39	8	4	-35	-16	-25	64	0	-7	28	-10	41	-4	50	17	23	8	36	104	17	15	72	132	142	50	37	7	18	-37	-34	-41	30	-33	-3	7	10	60	
System Total		15011	14536	14251	14013	13747	13579	13349	13238	13203	13231	13318	13298	13438	13524	13250	13287	13833	14695	15368	15757	16079	16317	16439	16537	16353	16136	16248	16611	17039	17406	17570	17683	17664	17460	16937	16555	16353	16202	16237	16437	16800	17152	16954	16835	16565	16496	16203	15844	
SRev ST-Coal		159	143	297	288	320	454	444	521	491	556	534	505	459	464	538	407	411	421	332	159	178	176	191	233	200	226	179	159	211	222	230	223	215	228	225	225	230	251	244	216	226	235	299	225	314	186	177	184	
SRev CCGT-Gas		1926	2440	2359	2158	2371	2338	2352	2355	2370	2323	2387	2377	2286	2284	2520	2642	2188	1240	878	682	416	466	308	297	408	677	830	564	548	514	419	333	329	291	596	938	1102	1262	1213	1155	810	529	565	496	496	610	629	579	
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	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	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
Syncon		489	489	489	489	489	489	489	489	676	676	489	489	676	676	676	676	676	676	676	676	676	676	676	489	676	676	676	489	401	126	126	126	126	214	214	401	401	401	401	401	401	401	401	401	214	126	126	401	
Hydro		454	449	456	468	481	435	447	451	369	318	433	486	389	406	417	405	364	422	417	419	417	415	403	564	422	422	420	580	499	478	624	554	627	628	653	545	557	557	555	612	580	509	543	594	698	405	685	586	
S.Reserve Total		3028	3521	3601	3403	3661	3716	3732	3816	3906	3873	3843	3857	3810	3830	4151	4130	3639	2759	2303	1936	1687	1733	1578	1583	1706	2001	2105	1792	1659	1340	1399	1236	1297	1361	1775	2196	2377	2558	2500	2471	2104	1761	1895	1803	1809	1327	1617	1750	