

Daily System Generation Summary on Monday

Monday, September 5, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,082 MW
Distillate	0 MW
Total TNB	2,082 MW
Total IPP	19,234 MW
Total Co-Gen	0 MW
Total System	24,346 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,241	5.98 %
Gas	47,746	12.83 %
Total TNB	69,987	18.81 %
ST-Coal	199,539	53.64 %
ST-Gas	671	0.18 %
LSS	3,633	0.98 %
Gas	97,494	26.21 %
Total IPP	301,337	81.00 %
Co-Gen	660	0.18 %
Total Co-Gen	660	0.18 %
Total Generation	371,984	99.99 %
PLTG	1,647	0.44 %
HVDC	-1,690	-0.45 %
Interconnection	-43	-0.01 %
Net Energy	372,027	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:	16:30:00 Hour
Total Set On Bus	18,915 MW
TNB Generation	3,450 MW
IPP Generation	13,922 MW
Spinning Reserve	1,504 MW
Maximum Demand	17,472 MW
Net Energy	372,027 MWH
Load Factor	88.72 %

Fuel Cost

Total Cost:	126,461,871.53 RM
Cost per Unit	33.99 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,015
Hydro	430
Syncon	182
Thermal	127
Total	1,754

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmcsfd)
GLGR	42
TJGS	77
Total TNB	119
CBPS	36
EMPP	258
KLPP	34
NPRI	95
PCGP	81
PGLA	84
PLPS	79
SPGP	197
PKLG	6
Total IPP	871
Total Gas	990
Total Gas Required	990

Alternate Fuel Usage

Station	(mmcsfd)
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	14835	14154	13616	13095	12846	12747	12799	13041	13841	15409	16473	16911	16842	16491	16919	17315	17463	17094	16206	16193	17161	17012	16558	16198

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, October 3, 2022 4:19:17 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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	705	714	709	707	706	707	706	706	706	706	705	704	705	706	708	703	708	705	704	706	706	705	707	706	705	710	703	707	677	368																			
JMAH	U002	705	704	706	708	705	600	358	217	214	213	213	215	215	214	213	326	476	704	707	706	705	705	708	705	707	701	706	710	707	705	704	706	701	708	707	704	703	708	708	702									
JMHE	U002	977	980	979	850	852	850	846	852	798	803	798	799	800	799	800	801	800	800	955	982	984	983	980	979	979	979	976	980	980	980	980	980	980	979	976	980	974	975	984	980	981								
JMJG	U001	673	666	660	671	666	658	662	660	662	662	660	666	660	660	667	660	656	664	662	662	661	660	660	662	662	662	662	662	657	662	665	664	668	667	666	666	666	667	668	668	667	664							
JMJG	U002	676	673	673	676	670	675	672	676	677	671	675	679	677	672	673	673	673	671	677	671	673	675	673	673	674	675	674	677	673	672	675	671	679	672	672	674	677	675	678	671	672	676	680	673	673	674	673	673	
JMJG	U003	666	667	660	668	666	670	663	670	663	667	668	662	673	663	657	671	660	662	673	663	670	660	671	663	668	667	667	662	672	666	665	668	663	672	657	670	662	666	668	666	665	665	671	673	665	666	666	666	
JMJG	U004	978	977	956	900	857	854	855	854	839	807	806	805	806	805	805	807	804	806	854	911	974	981	978	980	983	980	978	980	980	980	982	979	977	980	979	981	981	980	981	979	977	979	976	982	979	980	979	985	
PKLG	U006	0	0	0	0	0	269	267	268	267	269	269	269	269	268	269	268	271	266	269	285	377	442	450	449	448	448	444	447	447	450	449	449	449	447	447	448	449	450	447	449	450	447	449	449	451	450	447		
TBIN	U001	697	696	698	698	699	699	697	699	699	698	700	697	700	694	697	693	698	699	695	697	698	698	698	700	698	695	697	698	699	697	699	697	699	697	698	697	698	697	699	696	697	699	696	697	697	694	700	698	696
TBIN	U002	700	704	699	698	702	690	703	702	698	702	703	703	699	700	701	701	702	697	700	700	699	701	704	704	702	702	702	699	703	700	701	702	703	700	700	700	698	697	702	702	702	696	701	701	701	705	703		
TBIN	U003	0	0	0	34	166	257	382	524	743	0	0	0	10	199	254	315	410	559	657	708	702	698	706	705	702	698	704	699	703	701	702	698	700	705	700	702	698	699	698	701	701	699	701	702	636	634	653	653	
TBIN	U004	938	936	903	852	854	855	855	852	823	803	802	803	803	803	804	803	804	803	875	941	940	940	940	943	939	938	939	937	939	937	938	937	939	941	937	939	936	935	938	938	938	937	940	936	937	939	939		
Total ST-Coal		7715	7717	7643	7462	7543	7784	7666	7680	7778	7001	7000	7004	7017	7181	7245	7424	7662	8034	8432	8631	8787	8849	8874	8868	8865	8852	8862	8855	8865	8851	8867	8859	8868	8869	8840	8874	8856	8857	8867	8861	8856	8863	8863	8872	8782	8810	8795	8477	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PKLG	U006	269	269	267	266	272	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		269	269	267	266	272	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	284	197	202	200	201	203	201	204	189	200	201	202	202	201	201	201	201	201	200	195	201	249	253	247	196	196	195	198	194	195	196	201	201	202	193	201	201	201	202	268	294	202	193	200	190	201	197	205	
EMPP	BLK1	0	0	85	202	257	375	376	374	375	375	376	375	374	374	375	417	511	457	417	525	710	692	698	692	497	369	370	419	672	686	687	709	711	710	685	670	550	539	604	710	694	709	709	709	709	600	600	600	
EMPP	BLK2	709	709	575	449	422	438	411	417	392	422	453	437	466	440	415	410	457	709	631	702	712	707	710	704	706	594	596	706	701	704	703	710	710	711	699	593	494	484	542	709	708	709	709	709	709	680	600	600	
EMPP	BLK3	709	708	575	448	424	451	411	424	394	424	454	441	465	426	418	414	490	709	615	687	712	691	698	692	695	693	694	692	682	686	687	710	710	681	650	539	528	592	706	695	709	709	709	709	680	600	600		
GLGR	GT01	92	93	92	92	94	94	94	94	93	93	93	93	94	94	93	93	94	92	93	94	95	90	93	86	66	66	66	65	65	67	67	86	107	105	65	65	65	66	89	111	111	112	112	113	110	111			
GLGR	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	35	83	92	84	65	65	66	66	66	65	86	66	106	106	64	65	65	65	88	108	108	108	108	109	110	109	109			
GLGR	ST1C	41	42	42	41	42	42	41	41	41	40	42	41	41	41	41	41	41	41	41	41	40	41	79	86	71	70	70	70	71	71	79	98	97	76	70	70	70	80	100	101	101	100	101	101	101	101			
KLPP	GT15	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110			
KLPP	ST17	60	60	60	60	61	61	60	61	58	60	60	60	61	61	60	60	61	60	60	60	60	60	60	60	58	58	59	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	59	
NPRI	BLK1	510	347	310	310	311	322	320	323	302	319	320	320	321	320	310	309	311	310	308	304	52	0	0	0	0	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	BLK2	513	332	335	335	337	347	335	341	316	335	336	335	336	335	339	309	310	311	497	491	523	521	525	517	519	517	516	516	524	524	524	513	524	523	524	524	524	510	526	505	521	499	527	506	531				
PCGP	PGRG	600	600	600	600	400	400	400	400	400	400	400	400	400	400	400	400	400	400	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600		
PGLA	GT11	134	134	134	135	135	134	135	135	135	135	135	135	135	134	134	135	135	135	134	135	135	135	135	134	135	135	135	134	134	135	135	135	135	135	134	134	134	134	134	133	135	134	134	134	135	134			
PGLA	GT12	137	137	137	137	137	137	137	138	138	138	138	137	138	138	138	138	137	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138		
PGLA	ST10	180	181	180	180	180	180	180	180	180	180	180	180	180	180	180	179	179	179	180	179	179	179	179	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	104	113	113	112	111	112	142	131	135	134	135	130	115	127	116	116	139	141	143	138	142							

Daily MW Generation on Monday

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				
HTRG	HY01	62	62	62	62	63	63	63	63	63	63	63	63	62	62	62	62	62	62	62	62	124	124	124	101	63	63	63	63
HTRG	HY03	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	7	7	7	7
KNRG	HY01	22	22	22	22	22	22	22	21	22	22	22	22	22	22	21	21	21	21	22	22	22	21	22	21	22	21	22	22
KNRG	HY02	24	24	25	24	25	25	25	24	25	25	25	24	25	24	24	24	24	24	25	25	24	25	25	24	25	24	24	25
KNRG	HY03	22	21	22	22	22	22	23	21	22	22	22	22	21	21	22	21	21	21	22	22	22	22	21	22	21	22	21	23
KNYR	HY01	102	101	101	101	102	101	102	102	100	102	102	102	102	101	101	101	101	101	101	101	101	101	101	101	101	102	101	102
KNYR	HY02	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	105
KNYR	HY03	99	99	99	100	99	99	99	99	58	99	99	99	99	98	98	98	98	98	97	97	97	97	97	98	98	98	98	0
KNYR	HY04	101	101	101	101	101	101	101	101	59	102	102	102	102	102	101	101	101	101	101	101	101	101	101	101	101	101	101	102
LPIA	HY01	20	20	20	20	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
LPIA	HY02	21	21	21	21	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	20	19	20	19	20	19	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	3	3	3	
PGAU	HY01	20	21	20	21	21	21	21	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	21
PGAU	HY02	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	
SIHY	HY01	0	0	0	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	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	0	0	0	
SIHY	HY03	0	0	0	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	0	0	0	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	HY03	0	0	0	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	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	0	0	0	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	82	82	82	82	82	82	82	82	82	82	82	82	-1
TMGR	HY02	46	46	44	45	62	72	44	48	42	45	45	45	50	46	44	44	43	45	44	44	45	45	46	87	87	85	87	72
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	82	82	82	82	82	82	82	82	82	82	82	81	70
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	90	88	92	86	-1	-1	-1	89	87	87	87	92	100	160	-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	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	5	5	5	
Total Hydro		732	752	730	732	748	757	730	735	638	732	732	732	738	710	709	708	707	714	916	892	987	1122	1128	1120	1036	1033	890	981
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	0	0	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	5	7	10	12	13	18	21	23	23	26	25	22
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	5	8	10	11	12	13	12	13	13	10	14	13
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	9	11	12	13	14	14	17	16	17	18	16	15
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	10	11	18	23	18	22	28	25	37	35	32	18
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	5	10	13	14	17	20	15	14	18	18	15	13
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	5	5	5	5	5	12	16	22	8	8
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10	13	19	17	17	20	20	21	21	23	24	26	25
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	7	9	7	13	28	26	29	30	35	23	20	21
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	14	23	30	31	33	38	38	43	42	46	48	43	41
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	10	13	16	16	18	18	18	20	22	22	21	18
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	8	11	11	12	14	14	15	15	17	17	16	15
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	10	16	23	31	38	34	35	38	42	53	53	46	44
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	7	10	12	11	11	13	14	18	11	15	14	13
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	7	9	13	16	16	19	24	22	21	20
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	6	11	15	22	27	30	38	51	43	42	44
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	8	11	16	36	36	41	48	62	51	54	46	41	51	51	66
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	11	19	15	22	27	30	34	37	27	31	37	30	29
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Daily MW Generation on Monday

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
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
KHTC	BLK1	2	2	3	4	3	3	4	1	2	0	2	3	2	2	3	3	0	0	0	0	0	0	0	0
PCUF	CUFG	19	20	20	20	10	7	5	7	8	8	7	8	8	7	8	8	8	7	8	8	7	8	8	7
PCUF	CUFK	5	5	4	4	5	5	2	4	5	6	3	6	4	4	7	3	9	10	9	17	24	26	25	26
Total Co-Gen		26	27	27	28	18	15	11	12	15	14	12	17	14	13	16	12	19	18	17	25	31	34	33	33
Total Gen		14891	14481	14174	13858	13623	13390	13156	13028	12885	12707	12773	12750	12823	12988	13018	13196	13844	14771	15389	16070	16475	16850	16997	17184
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		-28	-30	-29	-28	-28	-30	-30	-29	-28	-28	-29	-29	-29	-28	-98	-98	-99	-98	-96	-97	-97	-99	-99	-99
TIE-PLTG		84	36	49	29	35	27	91	21	68	43	54	40	52	63	6	58	101	77	79	84	99	116	183	203
Interconnection		56	6	20	1	7	-1	61	-9	39	14	26	12	24	35	-23	30	3	-21	-20	-13	2	18	86	104
System Total		14835	14475	14154	13857	13616	13391	13095	13037	12846	12693	12747	12738	12799	12953	13041	13166	13841	14792	15409	16083	16473	16832	16911	17080
SRev ST-Coal		106	124	198	400	528	543	538	530	482	474	469	468	554	488	575	611	522	398	368	219	156	115	90	96
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
SRev CCGT-Gas		782	1215	1799	1936	2264	2844	2929	3077	3224	2718	2649	2681	2624	2594	2630	2629	2249	1742	1779	1122	1275	915	985	906
SRev ST-Gas		45	44	45	44	44	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
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
Syncon		514	363	514	514	514	514	514	514	514	514	514	514	514	514	514	514	187	338	338	151	151	151	151	151
Hydro		316	447	318	316	300	291	318	313	410	316	316	316	310	314	315	316	317	310	459	332	424	514	508	516
S.Reserve Total		1763	2193	2874	3210	3650	4192	4299	4434	4630	4022	3948	3979	4002	3910	4034	4070	3602	2964	2793	2011	2006	1695	1734	1669
		2065	2379	2308	2132	1937	1726	1788	1703	1593	1472	1749	1918	2257	2325	2124	1396	1381	1366	1504	1468	1694	1762	2071	2134