

Daily System Generation Summary on Monday

Monday, September 27, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,151 MW
Distillate	0 MW
Total TNB	2,151 MW
Total IPP	17,670 MW
Total Co-Gen	0 MW
Total System	23,024 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,529	4.95 %
Gas	40,561	11.45 %
Total TNB	58,090	16.40 %
ST-Coal	222,928	62.93 %
LSS	3,199	0.90 %
Gas	69,079	19.50 %
Total IPP	295,206	83.33 %
Co-Gen	1,130	0.32 %
Total Co-Gen	1,130	0.32 %
Total Generation	354,426	100.05 %
PLTG	91	0.03 %
HVDC	72	0.02 %
Interconnection	163	0.05 %
Net Energy	354,263	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,193 MW
TNB Generation	2,697 MW
IPP Generation	14,228 MW
Spinning Reserve	1,222 MW
Maximum Demand	17,009 MW
Net Energy	354,263 MWH
Load Factor	86.78 %

Fuel Cost

Total Cost:	56,705,623.53 RM
Cost per Unit	15.99 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	331
Hydro	364
Syncon	537
Thermal	319
Total	1,551

Time Weather Temperature

Afternoon	Hot	31
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	145

Total TNB 174

CBPS	50
NPRI	160
PGLA	87
PLPS	71
SGB3	33

Total IPP 400

Total Gas 574

Total Gas Required 574

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	13797	13131	12737	12386	12119	11936	12105	12190	13072	14801	15415	15925	15991	15934	16462	16845	17009	16519	15582	15697	16540	16232	15754	15337

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 6, 2021 10:39:46 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

		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		693	692	693	692	691	692	692	642	599	550	548	552	501	503	503	502	567	695	701	687	693	693	692	692	694	693	693	694	692	692	691	693	693	693	694	601	601	629	603	693	695	693	693	694	653	661	693	692			
JMAH	U002		693	694	694	692	694	694	695	646	604	555	552	552	504	504	504	504	564	683	699	690	696	698	695	692	696	700	694	695	695	699	695	694	697	696	698	602	605	604	605	692	698	693	698	696	655	659	693	697			
JMHE	U001		899	902	847	814	779	779	782	780	782	779	785	781	780	780	781	780	784	873	984	979	978	978	979	979	980	983	982	982	972	982	975	980	984	980	980	976	978	979	977	981	981	980	977	981	976	980	977	952			
JMHE	U002		899	904	846	807	781	781	780	781	781	780	786	780	780	780	782	780	781	880	981	978	978	979	981	978	980	981	982	981	974	981	979	980	984	983	981	978	979	979	975	982	979	980	976	981	977	976	976	949			
JMJG	U001		517	518	518	493	408	401	401	398	399	399	400	399	398	400	399	401	398	399	396	447	464	513	542	556	546	546	591	596	598	596	629	590	596	601	595	596	604	596	601	674	651	640	641	633	604	688	588	543			
JMJG	U002		545	549	513	492	419	411	408	411	408	410	409	409	410	408	410	410	409	411	409	446	548	508	508	509	546	547	577	597	599	598	641	651	584	447	444	404	361	363	305	288	288	286	278	277	271	267	282	271			
JMJG	U003		513	514	516	478	418	408	409	406	407	404	409	405	408	407	408	408	405	407	409	447	455	502	526	508	530	547	568	574	581	590	624	643	662	667	666	668	665	667	590	664	664	672	671	666	590	528	525	524			
JMJG	U004		905	904	856	829	789	789	788	789	786	787	788	788	791	788	791	791	789	830	891	906	953	983	983	980	983	985	985	983	982	985	986	985	983	983	983	983	985	983	982	983	986	985	982	986	983	983	983	987	952		
PKLG	U005		267	269	269	271	269	269	267	271	266	268	271	271	268	269	271	267	268	268	267	271	269	267	288	381	391	350	275	299	389	467	467	464	464	467	448	369	290	267	313	402	432	462	408	333	268	271	269	269			
PKLG	U006		434	423	412	415	421	402	440	420	426	436	442	440	442	442	445	442	443	440	446	448	445	444	445	444	445	444	445	443	446	445	446	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445		
TBIN	U001		691	691	689	689	689	689	687	689	687	689	687	690	689	689	688	685	686	685	688	685	686	688	686	688	684	687	689	689	687	689	687	688	686	689	687	688	686	685	685	685	685	685	685	685	687	687	687	686	692		
TBIN	U002		689	689	693	688	687	688	692	693	684	702	692	686	690	690	622	616	692	690	691	689	691	687	690	692	689	692	693	690	690	691	690	691	691	692	692	690	697	693	688	691	690	693	691	692	691	691	693	690			
TBIN	U003		692	690	693	692	691	693	687	692	693	688	693	689	687	692	620	614	693	686	693	694	686	691	694	689	690	693	689	693	689	693	690	690	694	689	694	690	693	690	694	682	687	693	687	688	692	686	690				
TBIN	U004		853	854	855	853	854	853	854	853	854	852	854	853	853	851	853	852	904	972	986	983	983	982	983	981	983	983	985	983	982	984	980	983	982	981	982	983	984	982	983	982	983	982	981	983	983	985	948				
Total ST-Coal			9290	9293	9094	8905	8590	8549	8581	8470	8377	8299	8317	8295	8201	8205	8000	7983	8331	8851	9221	9348	9441	9613	9694	9770	9837	9826	9842	9902	9978	10088	10178	10174	10148	10011	9988	9673	9570	9568	9440	9861	9858	9879	9820	9733	9469	9511	9475	9314			
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			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
CBPS	BLK2		254	223	225	218	221	219	219	220	222	226	212	222	226	223	221	253	342	356	375	387	381	382	378	378	378	375	375	373	374	372	347	362	363	359	357	362	346	342	350	362	363	358	356	346	358	370	356	355			
GLGR	GT01		94	94	96	95	94	96	96	95	96	95	95	97	96	97	95	95	96	96	95	95	95	96	94	95	94	96	94	95	94	94	96	95	96	94	95	95	95	95	95	96	95	95	95	95	96	95	95	96	95	96	
GLGR	ST1C		40	40	40	42	42	41	41	40	41	41	42	41	42	41	41	41	40	41	40	41	41	40	41	41	40	42	40	41	41	41	40	41	41	41	41	41	41	41	41	41	40	41	41	40	41	40	40	40			
NPRI	BLK1		523	513	515	506	515	515	506	513	514	515	504	514	516	521	517	519	521	517	519	500	511	520	505	509	503	509	518	514	502	506	503	520	521	520	514	521	514	512	520	518	520	517	511	506	512	520	502	509			
NPRI	BLK2		521	446	420	510	517	517	511	517	517	507	518	518	460	505	519	520	515	520	498	509	518	505	507	502	508	518	511	500	505	501	518	517	518	510	518	512	511	518	517	518	513	509	503	511	538	514	521				
PCGP	PGRG		595	397	262	261	403	331	260	263	261	260	262	262	262	264	448	605	606	603	520	575	589	603	586	583	587	600	596	586	582	603	605	601	594	603	595	592	603	600	603	598	594	583	593	618	594	601					
PGLA	GT11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	127	223	224	217	209	210	209	187	216	212	206	228	229	228	229	228	229	228	228	164	167	165	221	230	216	215	212	214	174	167	170			
PGLA	GT12		155	157	158	154	157	157	154	157	157	156	154	158	159	158	163	164	163	211	206	227	231	221	213	213	213	191	219	221	216	232	233	232	231	230	232	188	170	169	224	221	159	220	220	217	218	178	170	174			
PGLA	ST10		90	90	90	89	90	88	90	90	90	89	89	90	90	89	90	90	113	95	231	252	236	234	234	232	227	240	238	234	255	255	254	255	255	256	230	203	203	232	240	218	236	238	234	238	207	205	205				
PLPS	GT11		129	129	129	128	129	129	129	128	129	129	128	128	129	129	129	129	126	120	111	116	111	112	110	111	116	111	110	110	109	116	136	135	113	118	114	114	127	136	136	112	112	111	115	116	109	112					
PLPS	GT12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	141	139	144	140	139	116	121	117	119	130	140	140	116	116	120	125	117	120
PLPS	GT13		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	63	107	113	108	108	107	106	113	108	105	107	106	112	130	139	109	114	111	109	122	133	131	108	109	108	111	0	0	0			
PLPS	ST18		57	57	56	56	56	56	57	56	56	56	56	56	56	57	57	57	56	57	57	107	132	133	130	133	132	131	133	131	132	199	200	203	209	208	200	197	195	196	198	208	209	202	197	195	199	135	132	133			
SGB3	GT31		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	106	135	136	138	138	116	110	105	104	107	138	139	135	109	109	112	115	109	109				
SGB3																																																					

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	
CEND	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	
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	63	63	62	0	0	0	0	0	0	
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	22	34	34	21	21	21	22	22	0	
KNRG	HY02	23	24	24	23	24	24	23	24	24	24	24	24	24	23	23	23	35	35	23	24	24	24	24	26	
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	34	34	22	22	22	23	22	0	
KNYR	HY01	94	94	94	94	60	58	57	57	57	59	57	58	60	94	57	60	94	94	95	94	94	94	94	94	
KNYR	HY02	89	88	88	87	89	59	58	59	58	60	58	59	61	94	57	60	59	0	0	0	0	0	0	0	
KNYR	HY03	95	95	95	86	77	64	63	70	67	71	63	84	96	84	63	96	96	91	73	60	95	96	96	96	
KNYR	HY04	96	96	96	96	70	60	57	64	59	67	61	85	96	78	66	84	94	60	97	95	95	97	97	97	
LPIA	HY01	18	18	18	18	18	18	18	18	16	16	16	16	16	16	18	19	19	20	21	21	21	21	21	21	
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	18	18	19	21	21	21	21	21	20	20	19	19	
MNOR	HY01	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PGAU	HY01	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY01	30	29	30	30	30	30	52	51	50	51	50	50	31	31	31	31	31	31	31	31	31	31	31	31	
SIHY	HY02	30	30	30	30	30	30	29	50	50	50	50	30	30	30	30	30	30	30	30	30	30	30	30	30	
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	
SYPS	HY01	0	0	0	0	0	0	5	25	25	25	25	25	25	25	17	17	17	17	17	17	17	17	17	17	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	17	17	17	17	17	17	17	
SYPS	HY04	25	25	25	25	25	25	25	25	25	25	25	25	25	25	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	62	62	57	32	34	61	62	61	31	34	
TMGR	HY02	45	54	52	43	80	61	44	59	47	55	44	72	88	69	46	88	88	80	62	38	43	61	42	44	
TMGR	HY03	40	50	46	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	60	55	31	32	59	60	59	30	32	
TMGR	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	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	-1	-1	-1	-1	-1	92	92	-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	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		711	699	694	604	585	490	492	563	541	567	532	609	638	655	544	622	643	666	765	620	618	645	808	835	720
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	11	14	18	16	12	27	28	24
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	13	16	19	26	27	32	32	15	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	12	20	24	23	11	16	23	22	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	11	13	7	24	39	44	44	36	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	8	4	11	30	32	38	40	43	45	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	13	17	20	22	22	27	7	30	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	12	23	26	22	22	25	29	46	36	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	9	18	24	22	27	41	30	19	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	19	27	31	30	33	32	35	30	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	12	24	26	23	30	23	30	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	17	21	34	31	42	38	52	51	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	14	16	23	32	33	38	36	42	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	13	17	21	25	18	10	6	28	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	20	30	30	30	22	17	30	25	30	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	56	131	213	315	335	381	404	423	426	
PCUF	CUFG	21	20	21	21	22	23	22	22	22	23	24	23	23	24	23	22	21	20	20	19	19	18	18	18	18
PCUF	CUFK	26	28	26	25	22	25	26	27	27	24	24	27	26	28	27	26	27	25	25	26	26	26	26	26	26

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		
Total Co-Gen		47	48	47	46	44	48	48	49	49	47	46	50	50	51	50	50	50	48	48	45	45	45	44	44	44	46	44	45	46	45	46	45	46	45	47	48	47	47	46	49	49	50	49	52	51	49		
Total Gen		13861	13542	13178	12968	12800	12590	12456	12292	12113	12058	11998	12101	12112	12304	12221	12544	13041	14072	14796	15131	15495	15781	15960	16098	16019	15892	15975	16219	16479	16847	16878	16872	16971	16897	16460	15941	15529	15366	15700	16537	16492	16330	16177	15973	15704	15573	15286	15067
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		
TIE-HVDC		30	30	31	31	31	31	30	30	31	31	30	30	31	30	30	29	32	30	30	30	30	0	0	0	0	0	0	0	0	-29	-29	-29	-29	-28	-28	-29	-29	-29	-28	-29	-28	-29	-28	-31	-30	-30	-28	
TIE-PLTG		38	21	19	3	35	25	42	-12	-34	49	35	14	-20	-21	4	-32	-56	-54	-31	34	53	-13	38	2	31	18	44	2	20	-10	66	-32	-6	19	-27	-22	-21	35	35	64	-15	-39	-22	-9	-16	-67	-18	14
Interconnection		68	52	50	34	66	56	73	18	-3	80	66	44	11	10	34	-2	-27	-22	-1	64	83	17	38	2	31	18	44	2	20	-10	36	-61	-35	-10	-56	-50	-50	6	6	36	-45	-66	-52	-37	-47	-97	-48	-14
System Total		13797	13493	13131	12937	12737	12537	12386	12277	12119	11982	11936	12061	12105	12297	12190	12550	13072	14098	14801	15070	15415	15767	15925	16099	15991	15877	15934	16220	16462	16860	16845	16936	17009	16910	16519	15994	15582	15363	15697	16504	16540	16399	16232	16013	15754	15673	15337	15084
SRev ST-Coal		702	713	722	730	730	741	707	816	851	827	824	835	832	828	1005	1009	827	716	451	468	419	386	378	393	385	372	377	373	398	324	313	286	153	230	170	377	357	363	391	143	213	192	240	252	419	358	357	472
SRev CCGT-Gas		749	1060	1219	1149	981	1059	1227	1352	1416	1417	1459	1415	1339	1169	1079	828	744	560	741	326	212	325	343	326	360	437	274	415	422	298	341	228	149	151	315	441	656	715	306	178	240	290	372	438	414	301	503	472
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	
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	
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	
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	
Syncon		612	612	612	699	548	699	699	699	699	699	699	699	825	674	825	825	651	464	651	651	651	464	313	651	464	464	651	651	525	525	500	464	464	651	738	738	825	738	495	495	344	464	638	638	638	638	638	
Hydro		228	191	196	175	345	289	287	241	263	236	271	194	190	173	435	205	184	235	323	282	284	257	329	453	240	394	377	256	292	499	510	501	461	358	302	128	159	225	227	377	356	518	410	288	268	127	175	262
S.Reserve Total		2301	2586	2759	2763	2614	2798	2930	3118	3239	3189	3263	3153	3070	2995	3193	2867	2580	2162	1979	1727	1566	1619	1514	1485	1636	1667	1492	1695	1763	1646	1689	1515	1227	1203	1438	1694	1920	2128	1662	1193	1304	1344	1486	1616	1739	1424	1673	1844