

Daily System Generation Summary on Monday

Monday, May 25, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	17,905 MW
Total Co-Gen	0 MW
Total System	23,045 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,857	5.29 %
Gas	12,238	4.36 %
Total TNB	27,095	9.65 %
ST-Coal	207,765	74.03 %
LSS	2,576	0.92 %
Gas	43,921	15.65 %
Total IPP	254,262	90.60 %
Co-Gen	157	0.06 %
Total Co-Gen	157	0.06 %
Total Generation	281,514	100.31 %
PLTG	152	0.05 %
HVDC	715	0.25 %
Interconnection	867	0.31 %
Net Energy	280,647	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:	21:00:00 Hour
Total Set On Bus	15,142 MW
TNB Generation	2,863 MW
IPP Generation	11,017 MW
Spinning Reserve	1,256 MW
Maximum Demand	13,869 MW
Net Energy	280,647 MWH
Load Factor	84.31 %

Fuel Cost

Total Cost:	42,910,129.22 RM
Cost per Unit	15.24 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	436
Hydro	315
Syncon	980
Thermal	514
Total	2,245

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
SRDG	9
TJGS	79
Total TNB	88
NPRI	142
PLPS	55
YPKA	37
Total IPP	234
Total Gas	321
Total Gas Required	321

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	12361	11881	11414	10996	10709	10442	10339	10078	9760	10150	10578	10976	11208	11480	11823	12088	12238	12259	12063	12394	13814	13869	13703	13662

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 05, 2020 12:16:55 PM

(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

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	692	690	691	692	693	690	691	691	694	692	689	692	692	693	691	692	691	693	694	692	692	694	693	693	697	691	693	691	693	693	689	695	696	691	693	689	692	693												
JMAH	U002	694	695	693	694	691	694	694	698	693	695	695	693	695	694	680	653	655	696	692	693	696	697	693	693	693	696	695	698	696	695	695	697	695	694	695	691	694	694	693	691	690	695	691	693	694	694	695			
JMHE	U001	809	805	810	810	809	811	812	748	751	753	750	748	748	750	748	754	748	750	749	749	748	749	750	750	748	751	750	751	749	769	829	828	828	831	828	827	830	827	831	841	0	0	0	0	0	0	0			
JMHE	U002	809	807	809	808	808	812	807	749	749	753	750	749	748	749	748	751	749	751	748	750	749	751	749	749	788	830	829	828	832	828	828	828	828	828	832	851	892	903	900	898	899	901	900							
JMIG	U001	600	595	594	596	597	593	597	594	597	595	597	597	596	596	596	595	596	598	598	590	597	596	601	604	599	595	596	594	602	595	603	594	596	599	607	587	597	596	598	597	592	596	601							
JMIG	U002	672	673	673	673	681	670	671	674	672	674	668	671	678	671	673	671	669	676	674	676	673	670	674	673	674	671	666	677	672	671	672	676	672	671	672	673	673	666	670	662	675	668	676	677	669	671	674	675		
JMIG	U003	662	664	660	668	665	665	665	664	665	666	666	666	666	665	668	666	664	667	663	662	660	663	667	664	665	666	662	662	667	668	659	670	662	665	666	666	666	663	664	665	668	662	660	667	658	671	658	664	668	671
JMIG	U004	814	814	814	816	815	815	814	771	755	753	753	755	756	753	755	757	756	756	755	755	756	755	755	752	752	756	754	754	755	761	834	833	831	834	832	833	834	833	834	834	904	901	900	900	900	900	899	899		
PKLG	U003	281	284	283	283	284	283	283	284	280	282	283	284	284	282	274	155	151	199	274	281	283	283	276	273	278	282	277	274	277	279	277	276	274	262	251	253	251	256	282	282	283	283	281	281	281	281	282			
PKLG	U004	280	281	279	278	281	280	278	278	275	280	279	283	282	280	273	233	182	175	270	284	282	281	281	280	280	280	280	280	281	281	280	281	279	279	278	278	279	278	270	474	474	468	468	465	468	468				
PKLG	U005	467	464	466	462	464	466	466	466	460	466	466	465	461	463	456	376	313	264	270	269	296	386	470	467	468	468	466	466	466	466	466	466	468	467	465	466	466	464	466	466	470	474	468	468	465	468	468			
PKLG	U006	447	447	442	449	448	449	447	446	448	448	449	453	450	450	448	451	450	451	451	441	450	446	449	449	449	452	449	449	449	447	446	444	447	449	443	447	450	449	451	448	447	451	449	452	449	447	449	451		
TBIN	U001	600	602	601	580	691	689	691	691	691	691	689	691	690	690	691	500	452	450	502	556	591	600	629	663	660	659	659	667	690	690	690	692	689	691	694	691	689	692	668	600	599	692	691	690	689	691	599	551		
TBIN	U002	213	213	212	212	213	213	213	212	214	214	214	214	213	214	211	214	213	213	213	213	213	212	213	212	214	213	213	213	273	253	251	250	253	253	210	214	212	212	235	252	269	452	502	602	602	584	547			
TBIN	U004	813	813	811	711	496	494	513	527	526	530	534	527	528	529	604	745	750	754	752	752	753	753	752	752	752	752	751	752	751	753	753	753	752	752	754	826	833	832	832	902	903	901	902	903	903	903	902			
Total ST-Coal		8853	8847	8838	8732	8636	8624	8642	8493	8470	8492	8482	8488	8486	8480	8499	8170	8002	8086	8303	8370	8433	8540	8643	8670	8683	8681	8667	8680	8706	8754	8815	8977	8981	8962	8961	8904	8911	8980	8975	8956	8985	8458	8658	8703	8780	8778	8691	8616		
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			
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		
NPRI	BLK1	509	511	510	513	512	514	512	514	514	514	512	397	394	398	296	302	314	315	310	313	398	514	515	514	514	515	517	514	514	520	515	515	514	519	519	517	512	514	508	514	524	514	513	514	505	515	515	504		
NPRI	BLK2	495	514	510	530	502	346	483	522	384	335	324	436	380	356	314	320	364	425	329	344	450	483	491	526	473	523	476	479	473	514	518	514	495	516	515	520	508	498	502	520	521	511	441	520	433	514	458	431		
PCGP	PGRG	392	394	392	393	394	395	395	397	401	395	398	400	400	402	403	404	398	392	390	391	387	385	385	382	371	377	381	374	372	381	377	375	373	396	410	386	382	384	383	379	404	395	397	397	395	400	401	394		
PLPS	GT11	140	136	138	138	138	138	138	138	138	128	128	128	129	128	123	123	129	129	129	129	129	129	129	129	129	128	129	129	142	141	141	141	141	141	140	138	139	138	139	136	142	142	141	139	142	139	142	137		
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	0	0	23	143	140	143	140	143	140	143	142	138						
PLPS	GT13	143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	111	138	138	140	140	140	139	142	142	139					
PLPS	ST18	144	59	59	58	58	59	58	58	58	55	57	57	57	58	57	56	57	57	58	58	57	57	57	57	58	58	59	59	59	58	58	59	58	58	59	58	141	142	192	213	212	212	211	210	211	210	211	211		
TJGS	GT1A	206	229	176	158	160	202	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	174	233	227	227	227	227	224	225	225	225	225	225	225	225	228	224	225	228	226	228	228			
TJGS	GT1B	199	213	170	155	157	192	191	213	227	189	130	128	132	129	133	134	133	130	129	133	130	132	133	180	205	202	198	172	221	222	219	219	221	219	221	221	218	219	218	221	219	222	219	220	220	220	221			
TJGS	ST1C	229	238	198	181	205	214	100	105	119	119	78	78	78	78	78	78	78	78	78	78	78	78	78	94	102	105	105	107	244	251	251	251	251	251	251	251	251	251	251	251	251	250	250	250	250	250	250			
YPKA	GT11	123	124	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	128	130	127	128	126	128	127	125						
YPKA	GT12	125	125	125	126	126	126	127	126	126	82	68	67	68	68	67	68	68	68	68	68	68	67	67	68	68	68	68	131	126	126	128	127	126	126	128	131	127	126	126	125	129	1								

		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			
KNYR		HY03	100	100	99	99	91	64	65	66	65	64	64	65	64	65	56	55	61	66	64	69	65	74	65	83	65	95	100	71	65	101	78	74	66	100	100	93	66	66	64	97	99	99	99	99	99	99	99			
KNYR		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	0	0	0	0	0	0	0	0	0	0	0	100	100	99	100	99	99	99	99	99	99		
LPIA		HY01	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	18	18	18	18	19	20	20	20	22	22	22	22	22	22	22		
LPIA		HY02	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	18	19	19	19	19	19	19	19	20	22	22	22	22	22	22	22		
MNOR		HY01	7	7	7	7	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	8	8	8	8	8	8	8	6	6	6	6	8	8	8	8	8	8	8	8	8		
PGAU		HY01	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	18	149	149	21	20	20	20	20	
PGAU		HY02	-1	-1	-1	-1	23	23	-1	-1	-1	-1	-1	-1	-1	23	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU		HY03	-1	-1	-1	-1	-1	-1	-1	-1	21	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	-1	-1	-1	-1	-1	-1	20	20	-1	-1	-1	-1	-1	-1	24	18	-1	-1	-1	-1	-1	21	149	146	149	149	-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149	147	78	78	78	79	78
SIHY		HY01	49	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	49	31	31	49	49	49	49	49	49	0	0	0	49	49	49	49	49	49	48	48
SIHY		HY02	50	31	0	0	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	50	31	31	50	50	50	50	50	50	0	0	0	50	50	50	50	50	50	50	50	50
SIHY		HY03	50	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	50	31	31	50	50	50	50	50	30	30	30	50	50	50	50	50	50	50	50	50	
SYPS		HY01	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	19	17	17	25	25	25	25	25	0	0	0	25	25	25	25	25	25	25	25	25	
SYPS		HY02	25	25	25	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	17	25	20	16	16	25	25	25	25	25	25	0	0	25	25	25	25	25	25	25	25	
SYPS		HY03	25	25	25	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	22	16	16	25	25	25	25	25	25	25	16	16	16	25	25	25	25	25	25	25	25	
SYPS		HY04	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	17	17	25	25	25	25	25	25	25	17	17	17	25	25	25	25	25	25	25	25	
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	82	81	82	82	81	81	82	82
TMGR		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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	34	34	32	33	33	32	32
TMGR		HY03	40	40	42	52	40	41	40	42	42	43	40	43	40	40	27	29	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	35	32	32	32	31	32	82	82	81	82	79	80	80	78	
TMGR		HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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		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	-1	-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	-1	-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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6	6	6	5	5	
UPIA		HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	4	4	4	4	4	4	
Total Hydro			673	615	549	529	460	332	292	214	211	233	229	211	232	233	173	175	185	210	207	214	211	197	208	227	246	303	403	450	372	430	495	449	568	608	640	694	480	379	495	1219	1656	2232	2013	1699	1676	1549	1606	1657		
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	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	0	2	4	8	11	15	17	20	23	19	21	20	20	25	24	25	23	23	22	20	8	11	7	3	1	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	1	4	11	15	22	10	11	31	30	44	31	32	37	23	39	37	32	31	20	28	14	4	3	1	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	1	4	7	17	21	28	26	34	26	34	39	44	41	31	41	40	27	25	11	4	1	1	2	1	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	1	4	6	10	13	20	25	26	23	28	29	29	24	29	25	25	18	21	18	14	10	6	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	2	4	8	16	23	22	34	37	37	41	30	44	43	43	37	34	35	19	15	8	20	8	1	0	0	0	0	0	0	0	0	0	0	0	0
JLSL		LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	7	21	27	29	32	22	41	36	15	14	43	46	45	39	38	32	33	22	9	4	2	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	1	4	9	16	23	27	28	35	38	39	43	40	40	39	38	37	38	29	32	8	3	2	2	1	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	2	6	13	20	25	30	39	20	18	20	42	33	49	47	46	42	38	33	28	21	14	7	3	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	2	7	5	20	27	31	44	45	21	42	38	41	53	49	41	35	44	39	34	29	20	16	9	1	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	2	4	10	14	20	24	24	24	36	40	38	24	39	21	26	6	8	1	1	5	9	7	3	1	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																								
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95	2	0	0	0	0																					
SRev CCGT-Gas		374	336	493	483	483	548	717	308	413	574	707	711	765	786	932	917	862	808	911	888	704	557	546	452	481	424	369	458	349	290	299	305	326	280	261	408	296	443	453	292	244	282	360	275	381	273	329	388
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			
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			
SRev Co-Gen		65	65	66	67	63	64	67	64	66	62	65	65	68	63	66	64	65	63	62	63	63	66	66	63	64	67	65	64	63	65	63	62	63	63	1	1	3	0	1	1	2	1	1	1	1	0	-1	1
Syncon		1253	1253	1253	1102	1102	1203	1203	1455	1455	1304	1304	1455	1304	1304	1455	1455	1455	1304	1304	1304	1304	1455	1304	1304	1455	1455	1304	1304	1153	1153	1455	1253	1253	1102	1102	1102	1203	1354	489	151	0	126	126	126	277	151	151	
Hydro		78	136	78	199	218	245	284	110	113	242	246	113	243	242	152	150	140	266	268	261	264	128	267	248	153	121	146	275	353	446	381	125	208	168	287	233	297	297	170	549	450	262	355	669	692	668	737	686
S.Reserve Total		2355	2378	2492	2437	2335	2497	2706	2387	2511	2628	2772	2787	2824	2846	3131	3258	3286	3122	3198	3154	2971	2838	2772	2630	2707	2618	2606	2655	2600	2495	2421	2458	2353	2267	2155	2254	2206	2455	2495	1898	1432	873	1256	1397	1545	1566	1603	1603