

Daily System Generation Summary on Monday

Monday, December 30, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,467 MW
Distillate	0 MW
Total TNB	2,467 MW
Total IPP	17,700 MW
Total Co-Gen	0 MW
Total System	23,110 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,524	4.14 %
Gas	34,218	9.76 %
Total TNB	48,742	13.90 %
ST-Coal	232,106	66.19 %
LSS	2,657	0.76 %
Gas	67,260	19.18 %
Total IPP	302,023	86.13 %
Co-Gen	160	0.05 %
Total Co-Gen	160	0.05 %
Total Generation	350,925	100.07 %
PLTG	-388	-0.11 %
HVDC	637	0.18 %
Interconnection	249	0.07 %
Net Energy	350,676	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,240 MW
TNB Generation	2,898 MW
IPP Generation	13,945 MW
Spinning Reserve	1,389 MW
Maximum Demand	16,892 MW
Net Energy	350,676 MWH
Load Factor	86.50 %

Fuel Cost

Total Cost:	56,578,850.79 RM
Cost per Unit	16.11 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	371
Hydro	360
Syncon	827
Thermal	180
Total	1,738

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	42
TJGS	201
Total TNB	243
CBPS	51
NPRI	145
PGLA	32
PLPS	80
SKSP	36
YPKA	35
Total IPP	378
Total Gas	621

Total Gas Required 621

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	13766	13191	12570	12269	11953	11764	11877	12179	12803	14545	15530	16019	16128	15869	16396	16785	16892	16509	15442	15267	16046	15875	15414	15104

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Sunday, January 05, 2020 10:47:24 AM
(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	691	697	693	692	689	693	694	692	692	691	700	693	693	692	692	693	698	693	693	695	693	692	692	694	693	693	696	693	693	693	693	693																	
JMAH	U002	606	642	691	694	691	695	695	694	692	694	696	689	693	692	693	694	695	693	694	692	696	694	695	695	695	695	693	696	694	694	698	693	694	695	694	692	696	695	693	694	693	693	694						
JMHE	U001	908	814	780	780	777	781	780	779	781	782	780	780	778	781	779	780	781	981	978	981	981	978	981	980	981	981	978	980	980	979	981	980	982	981	981	980	977	976	980	983	983	981							
JMHE	U002	907	820	777	781	777	782	781	777	779	779	780	779	777	780	780	780	781	898	903	979	976	979	981	980	977	977	978	979	979	981	980	979	981	982	983	974	976	981	983	982	979								
JMJG	U001	670	666	672	662	668	678	672	666	672	682	676	668	673	675	671	668	678	678	674	678	675	694	701	701	700	699	700	700	697	700	696	673	679	677	672	670	676	672	681	677	674	676	677	678	673	677	677	678	
JMJG	U004	913	890	804	786	785	785	789	789	789	792	792	790	791	793	791	791	829	981	978	979	977	977	977	980	981	981	979	983	978	978	979	982	978	979	978	980	980	979	977	981	977	978	978	981	980	981	977		
JMJG	U005	914	876	777	780	782	783	778	782	777	782	782	782	781	781	782	782	818	927	978	980	978	977	980	981	979	980	977	979	982	983	980	985	977	977	976	976	976	980	975	985	976	978	978	980	977	978	976	977	
PKLG	U003	285	284	280	281	290	287	282	213	168	167	154	157	208	281	285	282	284	283	280	282	280	277	281	280	283	279	282	285	284	285	286	282	282	282	278	281	283	280	282	285	283	282	280	281	282	280	282	284	
PKLG	U004	280	277	282	278	279	280	280	199	151	147	151	156	193	248	278	284	281	282	280	280	280	280	281	281	282	280	279	282	281	276	283	280	280	282	282	280	279	282	279	282	282	278	278	279	285	282	283	279	282
PKLG	U005	468	464	464	468	469	467	377	298	269	269	268	269	323	412	466	470	468	466	469	468	466	466	466	468	467	466	463	467	466	467	468	465	467	465	466	468	470	469	465	467	466	467	468	467	466	467	467	467	
TBIN	U001	689	687	690	689	689	695	691	691	693	690	690	691	693	690	689	685	691	691	688	689	688	687	689	691	691	689	690	689	690	689	689	690	691	690	693	691	695	690	687	687	688	690	689	691	690	692	690		
TBIN	U002	688	692	692	691	691	691	695	693	695	692	693	694	691	691	692	693	693	692	691	691	692	693	690	690	691	692	691	689	692	689	691	693	690	689	691	692	692	693	692	690	691	691	692	691	690	690	692	688	
TBIN	U003	689	692	691	691	690	691	690	690	691	690	693	689	688	691	693	692	690	692	691	690	691	689	691	690	690	691	690	689	690	689	691	690	690	691	692	689	690	690	692	692	690	689	692	692	690	690	691		
TBIN	U004	912	887	798	781	781	783	783	783	782	782	783	783	782	781	783	783	782	840	929	982	983	983	983	982	982	983	984	983	981	983	981	982	983	984	980	983	984	983	983	983	982	982	983	981	983	982	983	982	982
Total ST-Coal		9620	9388	9091	9054	9058	9091	8987	8746	8631	8640	8629	8627	8764	8989	9074	9076	9163	9685	9923	9989	10059	10066	10083	10094	10090	10076	10083	10090	10083	10096	10086	10074	10063	10065	10046	10063	10069	10067	10066	10076	10053	10063	10051	10065	10064	10070	10069	10063	
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	360	360	362	360	338	214	217	217	218	224	217	219	219	222	222	262	350	357	365	357	357	357	357	357	350	357	360	360	356	356	361	364	362	362	356	363	356	357	360	357	362	362	356	356	359	357	357	349	
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	35	35	34	35	34	34	35	83	97	100	101	100	101	101	100	102	101	99	98	68	72	74	102	101	101	101	101	101	70	73	73	73	
GLGR	GT02	107	96	96	94	96	96	95	96	96	95	96	96	95	96	96	95	96	95	95	95	95	95	96	96	96	100	99	99	99	100	99	99	99	99	98	97	68	73	73	101	100	100	100	100	100	71	74	74	74
GLGR	ST1C	45	40	38	38	38	36	37	38	38	37	38	37	36	37	36	36	38	39	40	40	40	40	40	35	82	89	91	90	90	91	90	91	91	88	88	69	62	62	88	89	89	90	89	64	61	61	60		
NPRI	BLK1	501	447	369	388	335	341	349	358	360	406	389	364	365	379	367	346	484	430	514	516	514	506	503	513	501	509	511	509	514	514	518	514	516	516	516	512	505	504	512	505	506	502	499	495	498	506	505	495	
NPRI	BLK2	501	512	503	507	466	383	314	317	317	320	319	316	311	319	319	319	452	507	515	518	517	508	506	514	505	511	514	511	515	517	518	516	517	518	514	508	508	515	506	508	505	505	500	497	502	508	509	498	
PCGP	PGRG	590	610	594	602	569	581	593	604	602	605	601	597	590	604	603	603	601	580	596	602	600	586	581	592	575	592	592	589	601	603	606	598	606	602	592	586	583	431	423	424	416	417	432	476	589	606	602	583	
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	9	25	90	94	94	125	154	155	188	221	203	189	161	161	161	172	222	220	222	222	223	149	160	156	158	175	227	181	174	158	156	159	171	194	176	
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	109	105	96	89	88	89	89	111	111	111	112	111	98	89	89	89	89	107	96	97	89	89	91	88	105	103		
PLPS	GT11	147	129	128	128	128	129	128	128	129	129	128	128	128	129	130	126	131	132	135	111	110	120	130	117	115	121	120	141	135	140	135	141	140	126	119	111	119	132	142	140	134	122	115	115	118	119	112		
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	116	125	135	121	126	126	119	144	139	144	139	146	145	129	121	115	124	137	145	144	139	126	117	120	126	127	117		
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	128	143	144	110	117	127	114	112	119	116	137	131	137	131	136	136	123	113	108	117	128	136	136	131	120	110	113	73	0	0			
PLPS	ST18	59	58	58	58	58	58	58	59	58	58	58	59	59	57	58	61	59	131	144	143	197	203	208	198	199	204	199	213	208	211	209	212	212	206	204	197	200	202	212	210	211	200	196	200	197	134	133		
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	106	324	318	316	319	318	317	317	320	317	317	318	317	316	324	316	314	316	307	305	307	219	234	306	306	303	303	295	297	226	224	217	
TJGS	GT1A	173	186	214	187	128	139	141	141	147	232	194	203	182	158	142	138	158	129																															

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
KNRG	HY02	23	24	23	23	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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