

Daily System Generation Summary on Friday

Friday, March 20, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,247 MW
Distillate	0 MW
Total TNB	2,247 MW
Total IPP	18,267 MW
Total Co-Gen	0 MW
Total System	22,922 MW

Generation Mix

Type	MWh	Percentage
Hydro	7,469	2.59 %
Gas	13,937	4.82 %
Total TNB	21,406	7.41 %
ST-Coal	201,560	69.77 %
LSS	2,854	0.99 %
Gas	61,991	21.46 %
Total IPP	266,405	92.22 %
Co-Gen	375	0.13 %
Total Co-Gen	375	0.13 %
Total Generation	288,186	99.76 %
HVDC	-698	-0.24 %
Interconnection	-698	-0.24 %
Net Energy	288,884	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	16,258 MW
TNB Generation	1,298 MW
IPP Generation	12,551 MW
Spinning Reserve	2,395 MW
Maximum Demand	13,895 MW
Net Energy	288,884 MWH
Load Factor	86.63 %

Fuel Cost

Total Cost:	45,540,979.34 RM
Cost per Unit	15.81 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	408
Hydro	186
Syncon	1,060
Thermal	938
Total	2,592

Time	Weather	Temperature
Afternoon	Cloudy	34
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	73
Total TNB	101
CBPS	53
NPRI	145
PLPS	36
SGRI	51
YPKA	39
Total IPP	323
Total Gas	425
Total Gas Required	425

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	13178	12483	11951	11449	11064	10787	10674	10595	10239	10751	11122	11439	11643	11751	12074	12410	12525	12467	12077	12249	13746	13818	13759	13537

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, April 02, 2020 11:12:08 AM
(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Friday

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	U002	689	691	696	694	695	693	661	399	403	403	401	401	404	403	403	438	449	503	503	504	503	496	452	452	451	454	451	454	506	553	554	550	556	552	553	533	532	618	674	673	674	673	674	694	694	697			
JMHE	U001	850	854	850	778	782	781	781	781	701	702	701	698	702	703	700	703	699	700	699	698	700	698	701	804	798	801	800	802	799	801	798	800	800	799	800	799	798	799	801	800	796	798	800	801	801	850	850	853	
JMHE	U002	849	852	852	776	781	779	780	779	701	699	699	698	700	699	700	701	701	702	700	700	701	802	800	802	797	802	799	801	800	799	801	799	799	799	798	798	802	799	800	798	799	798	800	800	850	850	849		
JMJG	U001	629	568	508	492	468	444	446	447	447	445	448	446	448	447	449	445	451	446	450	447	454	450	449	447	449	450	447	447	445	521	557	546	542	549	549	520	524	580	666	662	665	662	671	668	672	675			
JMJG	U002	634	567	502	499	470	444	448	451	450	445	447	446	447	447	453	452	450	450	448	450	450	447	450	450	450	451	455	446	450	508	546	546	545	547	549	526	528	530	602	671	666	666	666	672	672	667			
JMJG	U003	629	566	489	495	464	446	447	447	444	445	445	447	446	446	446	445	445	445	445	444	445	447	447	446	445	444	442	444	447	484	548	536	546	542	545	522	525	585	631	667	660	665	662	671	641	599			
JMJG	U004	856	854	854	790	785	788	788	787	732	710	709	710	711	707	709	710	709	710	710	711	720	808	804	804	805	805	804	804	806	807	804	804	805	804	804	805	803	804	806	856	854	854	854	855	855	855	856		
JMJG	U005	854	854	853	779	782	774	777	787	712	696	703	697	700	700	700	700	698	702	698	720	795	795	801	801	798	799	796	799	798	803	803	801	798	801	801	797	801	801	800	848	853	848	854	849	852	850	850		
PKLG	U003	281	283	284	283	284	284	208	156	155	158	157	157	157	158	157	158	157	157	157	157	156	157	158	147	142	143	144	145	142	142	141	143	145	144	145	143	143	142	143	144	142	142	143	142	141	204	280	282	
PKLG	U004	266	266	273	271	270	268	190	148	151	154	153	153	155	154	154	152	151	154	155	153	154	154	153	144	143	140	142	137	140	146	143	143	142	144	144	141	143	139	144	143	142	143	142	136	203	251	265		
PKLG	U005	467	468	465	461	470	388	302	264	269	268	192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	76	79	86	90	103	140	157	164	164	181	196	203	227			
PKLG	U006	445	443	442	446	450	450	449	451	399	358	356	406	451	445	448	449	448	448	445	445	449	447	448	450	448	447	449	447	449	449	450	449	447	448	452	448	445	449	450	449	450	449	446	448	450				
TBIN	U001	582	501	455	452	447	399	402	402	402	402	401	402	401	401	403	402	449	451	500	500	501	502	494	450	452	451	451	451	504	501	550	550	552	550	549	548	528	530	625	671	671	670	669	690	692	691			
TBIN	U002	590	505	477	453	438	403	405	403	404	404	402	405	404	403	403	403	403	450	455	503	501	503	503	497	454	453	455	453	452	503	502	553	551	552	553	552	548	533	535	624	674	673	673	673	695	695	690		
TBIN	U003	589	503	469	453	434	403	404	403	403	405	403	403	404	403	403	404	403	403	450	501	499	501	502	494	453	452	451	453	451	506	501	551	551	550	551	550	549	531	530	621	678	671	670	669	671	691	691		
TBIN	U004	853	854	852	784	782	783	782	783	719	703	702	703	702	701	702	702	702	702	702	702	702	803	803	803	803	803	801	802	802	803	802	802	801	803	802	803	803	802	803	852	854	853	853	854	854	853	852		
Total ST-Coal		10063	9629	9321	8906	8802	8527	8270	7888	7492	7397	7320	7171	7233	7217	7228	7229	7224	7377	7418	7613	7654	7814	7914	8080	7895	7894	7886	7893	7881	8048	8095	8463	8601	8573	8659	8654	8659	8516	8533	9031	9621	9736	9731	9738	9752	10091	10197	10194	
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	0
CBPS	BLK2	346	346	346	353	346	353	346	346	361	361	354	354	346	354	352	274	220	333	355	355	357	357	354	354	354	352	352	354	354	357	357	358	358	357	349	342	356	355	363	356	356	356	353	363	361	217			
GLGR																																																		

Daily MW Generation on Friday

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	
S.Reserve Total		2413	2416	2419	2372	2474	2491	2593	2518	2414	2425	2478	2348	2419	2417	2429	2835	2889	2667	2553	2611	2567	2690	2567	2831	2667	2673	2673	2867	2625	2693	2585	2783	2858	2841	2975	3097	3205	3083	2924	2683	2420	2392	2400	2458	2301	2632	2463	2594