

Daily System Generation Summary on Friday

Friday, June 12, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,472 MW
Distillate	0 MW
Total TNB	2,472 MW
Total IPP	17,373 MW
Total Co-Gen	0 MW
Total System	22,668 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,504	3.54 %
Gas	30,288	8.58 %
Total TNB	42,792	12.13 %
ST-Coal	236,601	67.04 %
LSS	1,709	0.48 %
Gas	70,700	20.03 %
Total IPP	309,010	87.56 %
Co-Gen	411	0.12 %
Total Co-Gen	411	0.12 %
Total Generation	352,213	99.80 %
PLTG	-11	0.00 %
HVDC	-695	-0.20 %
Interconnection	-706	-0.20 %
Net Energy	352,919	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	17,751 MW
TNB Generation	2,430 MW
IPP Generation	13,807 MW
Spinning Reserve	1,479 MW
Maximum Demand	16,306 MW
Net Energy	352,919 MWH
Load Factor	90.18 %

Fuel Cost

Total Cost:	53,341,228.24 RM
Cost per Unit	15.14 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	543
Hydro	277
Syncon	961
Thermal	141
Total	1,922

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	27
TJGS	187
Total TNB	215
CBPS	49
KLPP	59
NPRI	142
PGLA	103
PLPS	0
SKSP	42
YPKA	21
Total IPP	416
Total Gas	630
Total Gas Required	630

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	15019	14355	13790	13369	12974	12765	12784	12727	13085	14717	15586	16167	16150	15815	16128	16245	16306	15862	14885	14764	15381	15029	14649	14438

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 07, 2020 1:26:56 PM

(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	U001	692	692	693	692	694	692	691	693	692	691	691	692	691	695	693	692	694	693	692	691	695	692	691	693	693	693	693	692		
JMAH	U002	691	698	695	695	693	696	694	688	696	691	697	693	691	695	695	694	689	697	694	695	687	694	694	691	696	696	693	694	694	
JMHE	U001	976	947	901	901	803	802	800	801	798	799	798	799	801	801	801	796	801	802	803	965	981	979	979	980	981	982	977	979	981	
JMHE	U002	980	943	899	900	802	788	799	799	799	798	802	801	800	800	797	803	799	799	986	980	980	980	980	980	980	980	981	979	980	
JMJG	U002	669	672	672	670	673	673	672	671	672	671	672	671	672	673	618	615	670	672	680	672	671	672	673	671	673	674	673	670		
JMJG	U003	671	668	671	670	670	672	668	672	671	668	668	669	671	669	673	671	671	670	673	669	670	669	670	670	669	672	668	669		
JMJG	U004	904	905	903	901	843	804	806	806	805	804	805	806	805	806	804	806	806	879	900	896	899	896	897	899	898	898	899	900	904	
PKLG	U003	281	282	281	282	282	282	278	282	282	281	283	284	284	282	281	283	280	281	281	280	280	281	281	280	282	282	280	278	282	
PKLG	U004	282	281	275	280	280	277	280	283	281	279	282	281	281	280	280	280	279	278	277	279	279	280	280	280	286	281	280	277	273	
PKLG	U005	468	466	465	466	464	466	464	467	391	298	265	261	288	280	280	280	280	280	280	280	280	280	280	280	280	280	277	276	276	
PKLG	U006	386	396	442	446	445	446	446	447	449	446	449	448	447	447	449	447	447	447	445	451	451	451	449	451	445	449	447	447	449	
TBIN	U001	690	687	692	682	690	691	692	689	690	688	689	689	694	688	689	689	689	689	689	687	688	689	687	688	689	687	687	689	689	
TBIN	U002	691	694	689	692	695	693	695	693	694	694	693	694	690	691	694	692	693	690	696	691	692	693	689	695	693	692	696	693	691	
TBIN	U003	689	693	690	691	694	694	689	689	692	689	690	689	690	690	689	690	689	689	687	690	687	687	691	690	691	688	687	689	687	
TBIN	U004	983	956	901	903	840	801	804	805	802	803	801	803	802	803	803	803	803	801	881	968	981	984	982	983	983	982	980	982	982	
Total ST-Coal		10053	9980	9869	9871	9568	9477	9479	9484	9414	9302	9284	9287	9289	9290	9245	9279	9329	9379	9995	101021010210121101071011410122101151010810110101121011510020	9951	9948	9964	1002310026100371004510119101011010610104101031011510111101131010910115						
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	
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	
CBPS	BLK2	358	358	357	219	219	219	223	219	215	215	219	219	224	226	224	212	222	226	341	363	362	363	362	362	356	363	362	356	363	363
GLGR	GT02	97	97	96	96	97	97	96	96	96	97	97	96	96	97	96	96	97	96	96	97	103	105	104	97	97	97	104	104	105	104
GLGR	ST1C	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	135	133	129	131	128	122	124	137	137	137
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	139	140	140	128	139	130	133	156	152
KLPP	GT15	138	138	138	138	138	137	139	139	133	138	137	137	141	141	137	133	137	138	138	143	143	142	154	154	142	142	129	142	133	135
KLPP	ST17	53	53	55	55	57	57	58	58	57	57	57	53	57	57	57	57	57	61	61	65	69	133	129	198	202	198	190	198	194	194
NPRI	BLK1	510	512	500	505	502	404	330	322	316	323	325	331	361	365	359	321	458	529	454	530	529	529	526	521	504	509	506	509	509	506
NPRI	BLK2	514	513	503	505	506	407	330	319	313	315	323	331	360	364	360	317	449	527	465	526	527	526	529	526	505	512	508	511	512	508
PCGP	PGRG	501	452	437	443	452	451	451	302	206	209	209	211	210	401	451	503	504	532	532	551	545	500	497	499	503	546	583	600	601	600
PGLA	GT11	171	172	172	171	171	171	171	171	171	171	171	170	171	171	171	172	172	171	172	185	199	198	198	198	198	198	198	198	198	198
PGLA	GT12	228	228	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	211	227	230	230	230	230	230	230	230	230	230	230
PGLA	ST10	211	208	208	207	209	208	208	207	207	207	208	208	208	208	208	208	208	218	220	235	234	235	236	237	237	238	238	236	236	236
PLPS	GT11	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	ST18	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	0	0	0
SKSP	BLK1	259	225	217	223	226	216	217	219	219	219	221	217	215	224	214	219	219	302	218	288	244	247	249	235	295	290	220	256	226	221
TJGS	GT1A	230	200	182	124	128	127	126	123	118	123	128	128	130	130	126	121	130	191	121	167	236	234	223	228	168	173	148	181	229	222
TJGS	GT1B	215	189	175	115	122	118	119	116	110	112	117	114	119	122	118	115	119	186	114	161	216	217	210	212	161	160	138	170	215	210
TJGS	ST1C	225	215	206	163	162	162	162	159	159	156	156	159	159	162	162	159	162	191	162	185	239	246	247	233	204	193	202	184	236	230
TJGS	GT2A	183	183	147	147	147	147	147	147	147	147	147	147	147	146	147	147	147	148	215	215	215	215	213	215	215	215	215	215	215	215
TJGS	GT2B	178	181	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	146	145	145	213	212	209	209	211	211	211	211	212	212
TJGS	ST2C	238	236	214	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	255	255	255	257	257	257	257	257	257	257	257	257
YPKA	GT12	68	68	67	68	67	67	68	67	68	67	68	68	67	68	67	67	68	67	67	68	68	67	121	121	121	120	68	67	125	122
YPKA	ST10	32	33	33	32	33	32	32	33	33	32	32	32	32	32	32	32	32	32	33	33	33	33	54	54	53	54	33	33	33	56
Total CCGT-Gas		4511	4297	4061	3776	3801	3585	3442	3263	3133	3154	3179	3184	3258	3287	3251	3152	3453	4040	3994	4460	4679	4880	4992	5157	5020	4966	4723	4862	4953	5058
Total 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
BSIA	HY02	12	12	12	11	12	12	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
CEND	HY01	10	10	10	10	9	10	9	10	10	10	9	10	10	9	10	9	10	9	10	9	10	9	10	10	9	9	9	9	9	10
CEND	HY02	9	10	9	9	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

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		
CEND	HY03	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	9	9	9	9	9	9	9	10	9	10	10	9	10	10	10	10	10	10	10	
HTRG	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	61	61	61	62	62	63	62	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	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	65	65	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37	37	37	37	37	36	37	36	37	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	25	24	24	24	25	25	25	24	24	24	24	25	25	25	24	24	25	25	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	25	24	25	24	24	24	24	24	25	25	25	25		
KNYR	HY01	98	98	96	96	98	98	98	98	97	96	96	94	57	57	58	58	55	58	100	99	99	99	99	99	99	99	98	67	72	82	87	98	97	66	61	61	61	61	61	61	61	61	90	81	79	79		
KNYR	HY02	96	98	97	97	98	98	98	98	97	97	-1	-1	-1	-1	-1	-1	98	98	98	97	97	97	97	91	75	63	94	97	97	97	97	97	97	97	67	69	75	81	98	96	64	65	62	62	62	98	70	80
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	99	99	99	99	99	99	99	99	98	98	97	97	98	98	98	98	99	99	99	99	99	99	96	96	96	96	-1	-1	-1	-1	
KNYR	HY04	100	100	99	98	100	100	100	99	98	98	54	-1	-1	-1	-1	-1	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	-1	-1	-1	100	100	100	99	99	99	99	99	100	100	0
LPIA	HY01	16	16	16	12	12	12	12	13	16	16	16	14	14	14	14	14	14	15	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16	15	15	15	15	15	15	16	16	16	16	16	16	16	16	
LPIA	HY02	15	15	15	12	12	12	12	12	14	14	14	14	12	12	12	12	12	15	15	15	15	12	12	12	12	15	16	16	16	16	16	15	15	15	12	12	12	12	12	12	12	12	12	12	12	12	12	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	
PGAU	HY02	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	21	-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	31	31	31	31	31	31	31	31	31	31	31	31	31	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	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	50	49	50	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	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	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	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	0	0	0	17	17	17	17	17	16	17	17	17	16	16	16	0	0	0	0		
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
TMGR	HY03	-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			
TMGR	HY04	32	32	30	30	32	32	32	30	28	29	30	32	32	32	32	28	32	32	31	31	31	32	31	32	31	32	31	32	31	32	32	32	32	32	32	32	32	32	31	31	29	30	30	30	32	31	31	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	90	92	89	66	-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			
UPIA	HY01	5	5	5	5	5	5	5	6	6	4	4	4	6	6	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	5	5	5	5	5	5	
UPIA	HY02	2	2	2	2	2	2	3	4	2	3	3	3	3	3	2	2	2	2	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	3	
Total Hydro		425	427	420	431	420	421	419	417	439	415	291	182	183	183	181	173	181	544	529	533	532	594	756	700	649	616	657	719	729	794	796	880	922	884	756	573	476	487	607	583	579	508	507	495	376	466	428	359
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	12	8	10	17	10	22	23	7	28	7	28	14	2	0	1	1	1	1	1	0	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	1	5	13	6	8	26	23	34	35	39	30	45	42	24	25	22	35	31	20	8	13	5	4	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	2	5	11	19	15	24	25	34	41	22	35	39	26	11	7	8	7	4	2	3	5	3	1	0	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	2	8	12	5	12	9	20	26	11	5	8	7	4	7	21	8	3	2	3	0	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	2	8	10	16	10	16	27	4	5	10	10	7	8	17	17	22	20	14	7	5	4	4	4	2	0	0	0	0	0	0	0	0	0	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	34	39	26	19	13	25	38	41	22	12	10	7	6	2	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	1	3	7	15	13	20	15	8	2	29	13	8	10	22	17	13	15	11	6	5	5	5	3	1	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	2	6	12	17	27	32	36	40	12	32	41	44	48	47	45	28	0	1	2	4	9	7	2	1	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	1	4	11	19	27	33	38	45	49	53	51	53	54	57	11	14	11	7	6	9	6	3	1	0	0	0	0	0</						

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																									
TIE-PLTG		14	15	37	29	38	-5	12	53	55	48	31	7	-11	22	-5	27	-44	-16	-27	-23	-9	-47	-16	2	-12	-1	-10	-25	-49	-51	-34	-14	2	-27	-30	38	-57	-17	-3	12	20	15	15	2	18	6	2	-13	
Interconnection		-16	-15	9	1	10	-33	-16	25	26	19	2	-21	-41	-8	-35	-1	-73	-44	-55	-54	-38	-76	-45	-26	-42	-31	-40	-54	-78	-80	-62	-42	-27	-56	-59	10	-85	-46	-31	-17	-9	-14	-15	-28	-11	-23	-27	-41	
System Total		15019	14733	14355	14092	13790	13530	13369	13152	12974	12864	12765	12688	12784	12781	12727	12631	13085	14104	14717	15296	15586	15934	16167	16300	16150	16013	15815	15984	16128	16271	16245	16232	16306	16237	15862	15284	14885	14662	14764	15247	15381	15227	15029	14883	14649	14531	14438	14178	
SRev ST-Coal		192	185	385	384	430	463	474	469	506	529	511	517	512	514	474	481	517	523	241	153	153	134	148	141	133	140	147	145	143	140	159	124	127	111	52	139	128	120	46	154	149	151	152	140	144	142	146	140	
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	0	
SRev CCGT-Gas		769	766	1002	1287	1262	1478	1621	1800	1930	1909	1884	1879	1805	1776	1812	1911	1610	1023	1069	603	609	408	521	356	493	547	790	651	560	455	368	343	248	286	562	731	1054	1012	1076	533	389	511	707	868	962	834	887	697	
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	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	0	0	0	0
SRev Co-Gen		63	63	63	62	66	63	64	64	63	65	64	63	64	64	62	62	66	62	63	63	37	35	37	38	36	65	65	67	64	41	37	36	37	37	59	68	62	64	63	63	66	30	31	29	29	29	31	65	
Syncon		1103	1103	1103	952	1103	1103	1103	1103	952	1103	1053	1305	1305	1305	1305	1305	952	1103	1103	1103	952	916	1016	952	1103	977	977	977	977	639	664	790	765	1204	1204	1204	952	1103	977	1103	1103	952	1204	1204	1204	1053			
Hydro		122	120	127	267	127	126	128	130	259	132	306	163	162	162	164	172	164	254	118	114	115	244	268	224	339	221	306	244	234	269	267	471	404	326	499	243	200	189	291	164	294	239	240	353	220	130	168	288	
S.Reserve Total		2249	2237	2680	2952	2988	3233	3390	3566	3710	3738	3818	3927	3848	3821	3817	3931	3662	2814	2594	2036	2017	1773	1890	1775	1953	2076	2285	2084	1978	1882	1808	1613	1480	1550	1937	2385	2648	2589	2428	2017	1875	2034	2233	2367	2559	2339	2436	2243	