

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,458 MW
Distillate	0 MW
Total TNB	2,458 MW
Total IPP	18,306 MW
Total Co-Gen	0 MW
Total System	24,271 MW

Generation Mix

Type	MWh	Percentage
Hydro	25,190	6.97 %
Gas	49,046	13.58 %
Total TNB	74,236	20.55 %
ST-Coal	191,142	52.92 %
LSS	5,424	1.50 %
Gas	90,528	25.06 %
Total IPP	287,094	79.49 %
Co-Gen	776	0.21 %
Total Co-Gen	776	0.21 %
Total Generation	362,106	100.26 %
PLTG	493	0.14 %
HVDC	429	0.12 %
Interconnection	922	0.26 %
Net Energy	361,184	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,884 MW
TNB Generation	3,468 MW
IPP Generation	13,791 MW
Spinning Reserve	1,598 MW
Maximum Demand	17,373 MW
Net Energy	361,184 MWH
Load Factor	86.62 %

Fuel Cost

Total Cost:	133,448,531.23 RM
Cost per Unit	36.85 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	885
Hydro	507
Syncon	418
Thermal	162
Total	1,972

Time	Weather	Temperature
Afternoon	Rainy	30
Morning	Sunny	25

Gas Usage

Station	(mmcsfd)
GLGR	5
TJGS	113
Total TNB	117
CBPS	43
EMPP	278
NPRI	139
PCGP	84
PLPS	53
SPGP	203
Total IPP	799
Total Gas	916

Total Gas Required 916

Alternate Fuel Usage

Station	(mmcsfd)
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	14197	13490	12996	12671	12287	12102	12549	12575	13300	15059	15961	16494	16587	16377	17025	17277	17185	16693	15762	16086	16511	16297	15604	15144

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, December 2, 2022 11:10:32 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

		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		0	0	0	0	0	0	0	0	0	0	0	0	0	45	158	198	206	215	215	325	354	492	505	504	593	706	706	708	709	706	696	704	701	700	719	702	700	697	699	701	700	703	695	692				
JMAH	U002		706	705	705	703	702	705	706	707	705	707	706	707	706	708	708	707	708	706	703	701	701	708	706	706	705	705	706	705	708	708	705	706	707	703	705	704	707	707	703	706	705	705	707	702				
JMHE	U001		973	972	900	900	794	798	797	800	799	799	798	800	800	802	803	801	802	898	972	981	976	979	980	978	980	980	981	977	980	979	982	977	981	980	978	984	982	981	974	982	981	975	982					
JMHE	U002		978	977	900	898	798	800	798	801	801	801	799	800	800	804	801	786	802	899	970	976	972	977	979	975	976	977	981	979	982	980	979	980	979	979	984	980	980	977	975	979	981	980	976	978	980	977	981	
JMJG	U002		680	678	680	679	682	677	679	682	680	680	678	679	680	678	678	680	678	679	682	678	682	678	667	671	671	667	668	665	670	671	669	668	671	671	672	668	670	669	672	671	672	669	666	667	671	673		
JMJG	U003		683	679	678	675	682	681	678	682	680	682	681	678	685	678	679	687	677	678	671	681	683	678	681	678	679	681	677	677	680	681	677	686	678	677	673	680	682	678	678	678	679	679	677	678	678	677	673	
JMJG	U005		977	977	898	900	848	799	796	801	798	801	801	800	804	800	800	801	800	880	978	981	979	976	977	977	975	974	977	976	975	976	975	975	977	975	974	978	973	973	977	972	977	972	976	978	976	976		
PKLG	U004		272	270	271	273	281	276	273	271	272	273	282	272	271	273	273	275	275	273	274	272	272	267	273	270	273	272	269	275	268	273	274	273	272	271	273	273	274	274	272	273	275	273	273	285	274	274	272	273
PKLG	U005		469	467	475	462	466	451	466	468	466	458	470	456	471	459	468	454	455	464	470	468	467	464	470	468	463	467	467	466	469	468	464	473	459	461	457	464	463	464	460	464	462	464	463	460	464	465	462	
PKLG	U006		446	442	443	444	443	440	443	442	443	443	445	442	445	445	445	444	444	442	436	438	439	441	437	445	443	442	444	445	443	444	440	441	437	353	358	358	358	358	358	358	358	358	358	358	359	356		
TBIN	U001		697	698	704	711	695	694	696	691	696	695	698	697	696	696	698	695	699	695	699	697	697	699	696	696	697	699	696	697	699	696	696	697	699	696	697	699	696	697	699	696	697	699	696	697	699	696	697	
TBIN	U002		699	701	700	698	702	699	701	700	702	699	700	701	699	698	702	698	706	697	700	702	699	700	699	701	699	699	701	693	700	704	697	703	702	699	701	703	703	700	702	703	699	702	699	706	703			
TBIN	U003		449	453	434	451	453	454	454	453	453	453	454	455	453	450	454	452	454	453	452	454	451	454	453	453	453	454	451	451	456	451	453	455	453	451	453	454	450	451	452	455	454	451	453	453	453	527	611	
Total ST-Coal			8029	8019	7788	7794	7546	7474	7487	7498	7495	7489	7512	7486	7511	7488	7502	7487	7496	7812	8165	8231	8232	8228	8246	8332	8354	8518	8518	8518	8608	8602	8419	8299	8250	8227	8212	7943	7942	7934	7950	7927	7950	7938	7938	7934	7934	7939	8007	8084
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	
CBPS	BLK2		203	201	202	202	201	201	202	203	201	201	197	201	195	200	200	205	203	200	201	202	253	361	361	359	353	356	275	353	350	363	362	361	357	333	197	209	202	204	287	361	359	361	361	360	200	201	198	199
EMPP	BLK1		410	411	413	411	411	410	411	413	410	410	408	409	406	410	409	416	412	681	652	647	709	710	713	712	690	693	697	688	753	752	750	753	754	753	753	710	711	710	713	709	709	709	706	707	710	711	698	551
EMPP	BLK2		493	412	553	410	418	410	411	412	410	411	408	409	405	409	409	422	412	708	711	711	709	710	713	712	691	694	698	689	765	760	758	762	765	765	764	760	764	699	713	709	710	706	705	707	705	711	699	705
EMPP	BLK3		710	710	568	438	455	418	447	414	412	412	409	410	406	410	409	423	640	710	711	711	709	710	713	713	690	694	697	689	752	749	746	750	755	752	752	750	752	712	710	711	708	705	707	712	711	699	710	
NPRI	BLK1		332	330	331	330	331	329	329	330	329	330	325	331	322	325	329	332	332	394	501	541	554	551	552	550	553	548	549	547	556	550	527	526	521	525	521	532	386	443	518	516	485	516	516	516	476	418	325	330
NPRI	BLK2		329	328	329	328	329	328	329	333	329	328	324	330	320	325	326	335	334	329	328	459	525	490	390	493	500	510	511	506	498	522	518	518	512	517	512	537	380	445	527	512	473	516	516	516	445	410	324	327
PCGP	PRGR		605	603	605	604	603	500	401	407	399	402	391	402	386	594	396	408	606	602	601	601	600	605	606	598	581	588	599	581	572	608	603	602	592	621	603	608	609	600	596	602	602	601	596	603	592	600		
PLPS	GT11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	129	66	65	66	66	66	65	66	65	66	65	66	65	65	65			
PLPS	GT12		63	64	63	63	64	64	63	63	64	63	63	64	63	64	63	64	64	64	64	64	64	64	64	63	64	64	64	64	68	69	70	69	69	69	69	69	69	69	69	29	0	0	0	0	0	0		
PLPS	GT13		59	59	60	60	60	59	60	60	60	60	60	59	60	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	61	61	64	65	64	64	64	64	64	64	64	63	64	64	64	63	64	
PLPS	ST18		88	88	88	88	88	88	88	87	87	87	87	87	88	88	88	88	88	88	89	89	89	89	89	89	89	89	90	90	90	90	90	93	93	162	143	141	141	140	140	140	137	89	91	91	91	90	90	89
SPGP	BLK1		719	720	721	719	718	717	718	600	601	494	501	592	713	717	721	718	718	719	716	720	720	717	712	709	705	717	703	703	716	714	721	715	719	712	728	719	718	718	718	712	719	718	719	717	720	715	716	
SPGP	BLK2		719	719	720	717	718	717	649	589	408	400	395	586	706	713	616	720	674	718	717	717	718	717	716	695	702	718	693	692	719	717	717	713	717	710	730	716	719	723	717	716	718	718	714	718	713	715	715	
TJGS	GT1A		138	139	139	140	138	139	139	138	138	137	137	138	139	140	141	142	141	139	138	144	234	235	235	234	235	139	233	233	230	181	182	169	112	110	113	114	114	127	223	222	191	153	113	58	110	110	110	
TJGS	GT1B		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	156	96	96	96	96	96	119	214	215	178	150	99	96	97	97	97		
TJGS	ST1C		76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	77	77	77	106	117	118	118	119	78	114	117	118	93	91	210	158	145	144	143	143	240	243	218	190						

Daily MW Generation on Tuesday

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		
HTRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7
HTRG	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	0
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35	36	35	36	35	35	36	35	35	36	36
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	38	38	38	37	37	38	37	38	37	38
KNYR	HY01	101	100	101	101	100	101	100	101	101	101	100	101	100	100	101	100	100	100	100	100	101	100	100	100	100	100
KNYR	HY02	101	102	102	102	102	102	102	102	102	102	102	101	101	101	101	102	101	102	102	101	102	101	102	102	102	101
KNYR	HY03	99	99	98	98	97	96	96	96	96	97	98	98	99	99	99	98	98	97	98	99	99	98	98	96	96	99
KNYR	HY04	101	101	101	101	101	101	101	101	101	101	101	101	101	101	100	101	100	100	102	101	101	100	101	101	101	101
LPJA	HY02	25	25	25	24	24	24	24	24	24	24	24	24	24	24	24	24	0	0	0	0	0	0	0	0	0	
PNOR	HY01	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	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	111	111	112	21	22	22	22	80	80	
PGAU	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	112	111	109	113	113	
PGAU	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	22	21	82	83	22	22	22	22	33	110	
PGAU	HY04	21	21	21	21	21	21	21	21	22	21	21	22	21	21	22	22	22	21	82	82	110	110	111	80	81	
SIHY	HY01	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	31	31	0	0	0	0	
SIHY	HY02	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	31	31	31	0	0	
SIHY	HY03	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	31	31	31	0	0	0	
SYPS	HY01	17	0	0	0	0	0	0	0	0	0	0	0	0	17	26	25	26	26	26	17	17	17	17	0	0	
SYPS	HY03	17	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	17	17	17	17	0	0	
SYPS	HY04	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	0	-1	0	0	-1	-1	0	0	-1	0	-1	-1	82	82	81	82	34	34	81	81	80	81	81	80	80	
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	86	0	0	85	85	85	85	85	85	85	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	79	81	81	81	81	81	81	81	
TMGR	HY04	41	41	41	41	41	41	41	41	41	41	40	41	42	42	41	64	43	42	82	51	77	41	39	40		
UJLI	HY01	92	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	93	92	49	-1	-1	-1	90	84	83		
UJLI	HY02	95	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	94	91	85	89	-1	85	83	95	95		
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	8	8	8	8	5	5	5	5	6	5	5	
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	3	3	3	3	5	5	5	5	5	5	5	
Total Hydro		1004	763	614	613	611	610	609	610	611	612	610	612	613	611	613	614	613	634	645	901	1002	1067	1186	1116	1000	
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	1	4	8	11	15	17	20	22	23	25	27	20	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	13	17	17	23	19	30	35	15	23	29	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	12	18	21	25	27	30	31	32	32	32	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	13	19	25	29	33	23	10	30	14	32	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	16	23	28	33	26	19	20	14	21	22	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	12	16	15	15	25	24	12	27	22	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	13	21	27	33	37	41	44	46	23	20	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	14	19	23	26	28	15	19	24	30	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	17	21	26	33	29	19	44	26	50	25	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	26	46	56	65	73	78	83	84	90	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	19	24	30	34	37	40	42	17	48	39	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	16	20	23	26	27	29	30	30	29	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	27	29	29	29	21	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	16	26	38	12	23	45	49	51	50	49	
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	40	66	62	28	31	91	89	89	90	91	92	
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	40	56	56	46	103	108	108	109	112	114	

Daily MW Generation on Tuesday

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			
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	18	23	31	44	41	26	14	37	48	52	7	32	11	4	1	2	2	1	1	5	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	15	14	12	32	34	38	41	43	43	45	34	15	31	11	11	6	10	6	8	4	1	0	0	0	0	0	0	0	0	0	0	0	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	11	14	19	8	7	4	7	7	7	12	21	15	9	21	16	15	7	6	2	0	0	0	0	0	0	0	0	0	0	0	0	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	15	20	29	30	29	30	30	30	30	30	30	30	30	30	30	30	21	20	14	6	1	0	0	0	0	0	0	0	0	0	0	0	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	151	302	409	485	541	705	729	749	788	773	813	745	700	671	566	453	390	359	236	178	69	21	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	21	22	18	23	26	26	27	27	28	29	26	22	24	24	24	24	24	24	24	24	24	23	23	24	23	23	22	22	18	20	22	13	21	22	20	24	20	19	22	23	23	23	24	22	22	22	22			
KHTC	BLK1	2	3	1	3	3	1	4	4	3	2	2	3	3	5	1	2	2	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	2	0	3	1	3	3	3	4	4				
PCUF	CUFG	5	6	5	4	6	5	3	5	4	4	3	4	6	4	5	5	5	4	1	5	3	3	7	5	4	5	4	4	4	4	5	4	6	4	5	4	6	4	5	4	4	5	5	4	4	4	0			
PCUF	CUFK	4	3	3	2	5	5	4	4	3	3	3	3	4	5	3	4	5	3	3	3	2	3	5	5	3	3	2	4	2	5	5	2	4	3	4	4	3	2	3	3	3	4	5	3	3	2	3	4		
Total Co-Gen		32	34	27	32	40	37	38	40	38	38	34	32	37	38	33	35	36	34	33	34	29	30	35	33	31	31	29	30	28	27	30	28	23	28	31	28	33	27	31	31	32	32	36	31	34	31	32	30		
Total Gen		14263	13930	13551	13276	13062	12831	12711	12527	12322	12312	12184	12385	12580	12915	12639	12822	13310	14523	15077	15638	15988	16412	16508	16705	16542	16593	16470	16834	17050	17286	17262	17356	17168	17098	16689	16282	15779	15746	16212	16731	16545	16414	16339	16097	15580	15480	15237	14777		
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	0			
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
TIE-PLTG		36	96	31	77	36	-16	10	20	5	26	52	-12	1	17	34	-9	-20	-9	-12	-22	-3	71	42	12	-17	146	121	155	53	-59	13	-10	-47	-107	-34	33	-13	53	96	29	4	2	12	50	-54	1	63	32		
Interconnection		66	126	61	107	66	14	40	50	35	56	82	18	31	47	64	21	10	21	18	8	27	43	14	-16	-45	117	93	127	25	-87	-15	20	-17	-77	-4	63	17	83	126	59	34	32	42	80	-24	31	93	62		
System Total		14197	13804	13490	13169	12996	12817	12671	12477	12287	12256	12102	12367	12549	12868	12575	12801	13300	14502	15059	15630	15961	16369	16494	16721	16587	16476	16377	16707	17025	17373	17277	17336	17185	17175	16693	16219	15762	15663	16086	16672	16511	16382	16297	16017	15604	15449	15144	14715		
SRev ST-Coal		109	119	348	352	332	361	342	341	342	350	324	352	328	356	340	338	346	403	273	207	206	210	192	206	184	120	120	120	230	186	219	89	98	121	136	359	103	111	110	118	95	107	107	111	111	106	138	121		
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	72	-6	-4	-5	-5	45	37	36	37	0	0	0	0	0			
SRev CCGT-Gas		1870	1954	1946	2231	2203	2358	2491	2689	2890	2895	3040	2813	2649	2290	2577	2404	2054	1327	1243	1081	884	686	756	593	699	754	920	804	609	513	626	914	828	933	1197	1131	1477	1453	1140	670	881	825	927	1053	1392	1415	1655	1764		
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		
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		491	953	865	865	865	953	865	865	865	953	865	865	865	953	953	865	974	974	573	703	516	428	464	615	615	615	428	428	403	252	126	252	252	252	252	252	252	252	252	252	252	252	403	554	554	554	1016			
Hydro		535	326	326	327	329	329	330	330	329	328	329	328	327	328	326	325	327	304	343	488	387	509	528	562	440	483	478	565	587	496	373	467	699	615	659	680	543	539	572	525	532	492	518	405	360	302	374	338		
S.Reserve Total		3092	3352	3572	3862	3816	4001	4116	4312	4513	4525	4646	4445	4256	3927	4196	4020	3679	3008	2833	2349	2180	1921	1904	1825	2025	2059	2220	2004	1941	1598	1470	1596	1877	1921	2316	2416	2558	2537	2069	1610	1797	1712	1841	1972	2417	2377	2721	3239		