

Capacity of WTWs in Beaufort West Municipality's

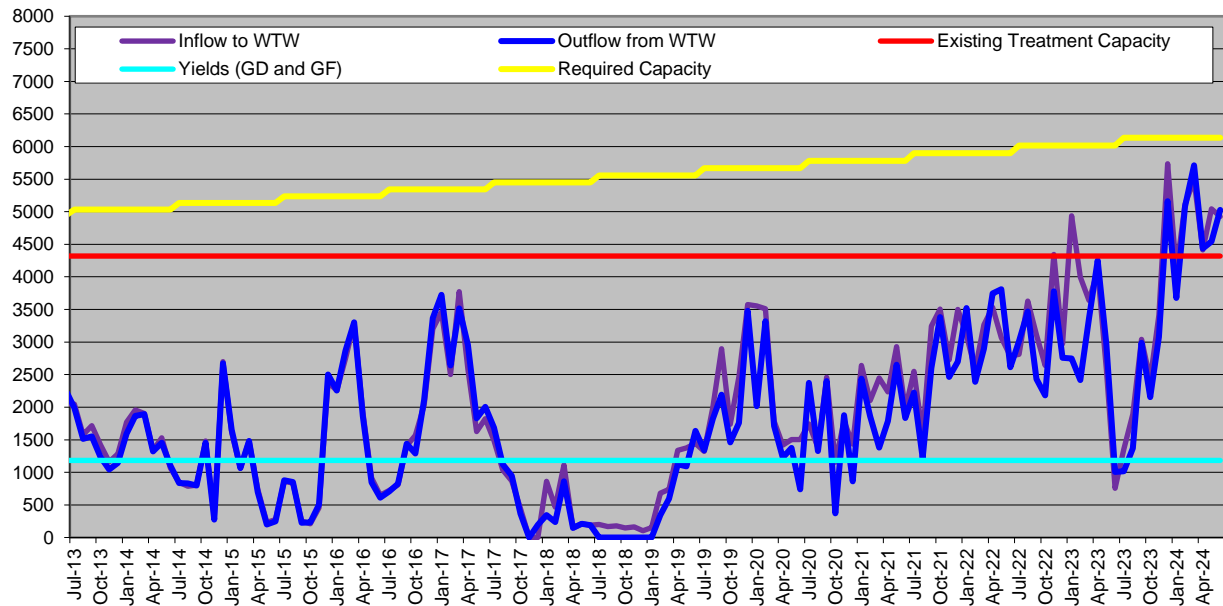
Beaufort West WTW							Beaufort West Reclamation Plant							Nelspoort WTW							Total WTWs						
Date	Yield	Inflow to Plant	Final Flow from Plant	Existing Capacity	Required Capacity (1.5x AADD 10yr), Used 2.0% growth on 2023/2024 demand	Final Effluent Available	Inflow to Plant	Final Flow from Plant	Existing Capacity	Yield	Inflow to Plant	Final Flow from Plant	Existing Capacity	Yield	Inflow to Plant	Final Flow from Plant	Existing Capacity	Required Capacity (1.5x AADD 10yr), Used 1.0% growth on 2023/2024 demand	Yield	Total Inflow to Plants	Total Final Flow from Plants	Capacity					
					kld	kld/d	kl	kld	kl	kld	kl	kld	kld		kld	kl	kld	kld	kld	kld	kl	kl	kld				
Jan-06	1183	143275	4622	113071	3647	4320								404													
Feb-06	1183	91711	3275	72431	2587	4320								404													
Mar-06	1183	107910	3481	95993	3097	4320								404													
Apr-06	1183	106859	3562	90689	3023	4320								404													
May-06	1183	78607	2536	63682	2054	4320								404													
Jun-06	1183	44904	1497	38803	1293	4320								404													
Jul-06	1183	61018	1968	55197	1781	4320		3186						404	4981	161	6330	204	500	682	1587	65999	2129	61527	1985	4820	
Aug-06	1183	55781	1799	51744	1689	4320		3186						404	7207	232	6400	206	500	682	1587	62988	2032	58144	1876	4820	
Sep-06	1183	57971	1932	53872	1796	4320		3186						404	5617	187	8150	272	500	682	1587	63588	2120	62022	2067	4820	
Oct-06	1183	75836	2446	73778	2380	4320		3186						404	8084	261	9130	295	500	682	1587	83920	2707	82908	2674	4820	
Nov-06	1183	117961	3932	110814	3694	4320		3186						404	7864	262	12540	418	500	682	1587	125825	4194	123354	4112	4820	
Dec-06	1183	156318	5043	140673	4538	4320		3186						404	18065	583	12785	412	500	682	1587	174383	5625	153458	4950	4820	
Jan-07	1183	51872	1673	31318	1010	4320		3186						404	13327	430	12288	386	500	682	1587	65199	2103	43606	1407	4820	
Feb-07	1183	104544	3734	64041	2287	4320		3186						404	6965	249	8770	313	500	682	1587	111509	3682	72811	2600	4820	
Mar-07	1183	119209	3845	110282	3557	4320		3186						404	11390	367	8790	284	500	682	1587	130599	4213	119052	3840	4820	
Apr-07	1183	77890	2569	61038	2035	4320		3186						404	7386	246	9080	189	500	682	1587	84446	2815	8618	2204	4820	
May-07	1183	89420	2825	70398	2271	4320		3186						404	9783	316	7110	228	500	682	1587	99203	3200	77508	2500	4820	
Jun-07	1183	74623	2487	66006	2200	4320		3186						404	9399	313	6487	216	500	682	1587	84022	2801	72493	2416	4820	
Jul-07	1183	63346	2043	63338	2043	4320		859						404	9120	294	6913	223	500	606	1587	72466	2338	70251	2266	4820	
Aug-07	1183	80908	2610	74326	2398	4320		859						404	12684	409	8870	286	500	606	1587	93592	3019	83196	2684	4820	
Sep-07	1183	105924	3531	90791	3026	4320		859						404	11839	395	8710	290	500	606	1587	117763	3925	99501	3317	4820	
Oct-07	1183	111229	3588	100633	3246	4320		859						404	9906	320	8670	280	500	606	1587	121135	3908	109303	3526	4820	
Nov-07	1183	153494	5116	120472	4016	4320		859						404	8184	273	8940	298	500	606	1587	161678	5389	129412	4314	4820	
Dec-07	1183	94654	3053	90364	2915	4320		859						404	10164	328	8440	272	500	606	1587	104818	3381	98804	3187	4820	
Jan-08	1183	124637	4021	96533	3114	4320		859						404	8536	275	9920	320	500	606	1587	133173	4296	106453	3434	4820	
Feb-08	1183	113517	3914	86295	2976	4320		859						404	7900	272	8160	281	500	606	1587	121417	4187	94455	3257	4820	
Mar-08	1183	109445	3530	94769	3057	4320		859						404	7464	241	8500	274	500	606	1587	116909	3771	103269	3331	4820	
Apr-08	1183	81597	2720	65668	2189	4320		859						404	8857	295	9450	315	500	606	1587	90454	3015	75118	2504	4820	
May-08	1183	76412	2465	52709	1700	4320		859						404	10639	343	7927	256	500	606	1587	87051	2808	60636	1956	4820	
Jun-08	1183	64724	2157	48061	1602	4320		859						404	9192	306	6823	227	500	606	1587	73916	2464	54884	1829	4820	
Jul-08	1183	75714	2442	68554	2211	4320		830						404	7694	248	7670	247	500	650	1587	83408	2691	76224	2459	4820	
Aug-08	1183	66654	2150	54174	1748	4320		830						404	8053	260	8547	276	500	650	1587	74707	2410	62721	2023	4820	
Sep-08	1183	57257	1909	50260	1675	4320		830						404	13867	466	9253	308	500	650	1587	11224	2374	58513	1984	4820	
Oct-08	1183	133983	4322	121030	3904	4320		830						404	15885	503	11070	357	500	650	1587	149568	4825	132100	4261	4820	
Nov-08	1183	88093	2936	77180	2573	4320		830						404	15525	518	11610	387	500	650	1587	103618	3454	88790	2960	4820	
Dec-08	1183	155617	5020	128830	4156	4320		830						404	18326	591	12030	388	500	650	1587	173943	5611	140860	4544	4820	
Jan-09	1183	130284	4203	103100	3326	4320		830						404	18193	587	12533	404	500	650	1587	148477	4790	115633	3730	4820	
Feb-09	1183	140300	5011	96610	3450	4320		830						404	16177	578	10020	358	500	650	1587	156477	5588	106630	3808	4820	
Mar-09	1183	141500	4565	130570	4212	4320		830						404	15645	505	8877	286	500	650	1587	157145	5069	139447	4848	4820	
Apr-09	1183	144400	48																								

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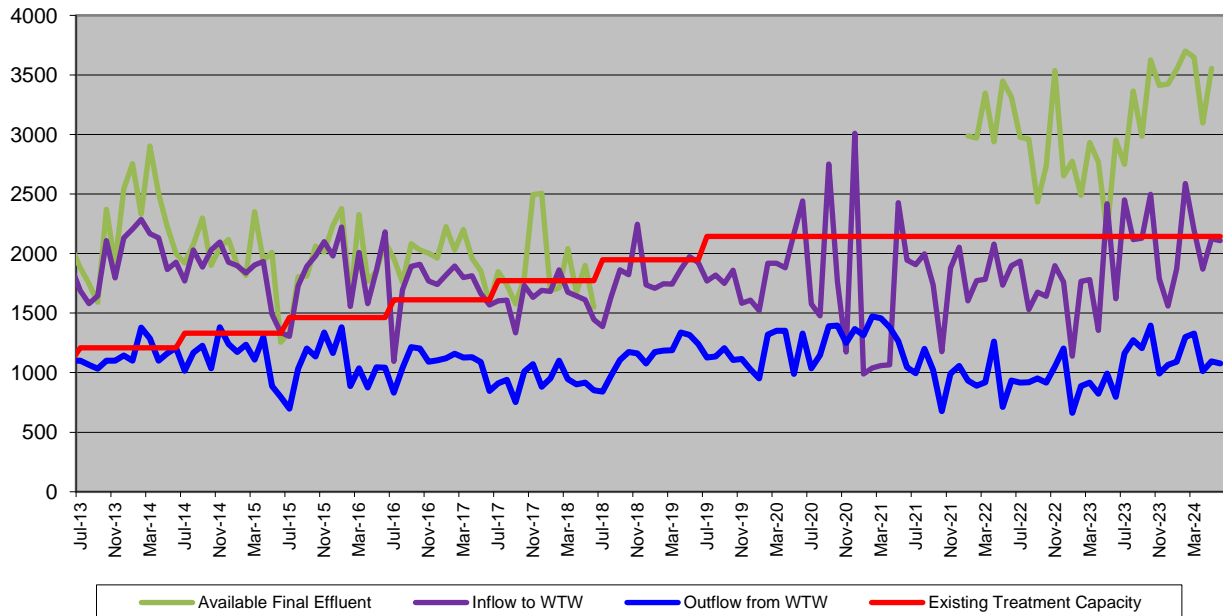
Beaufort West WTW										Beaufort West Reclamation Plant										Nelspoort WTW										Total WTWs					
Date	Yield	Inflow to Plant	Final Flow from Plant		Existing Capacity	Required Capacity (1.5x AADD 10yr), Used 2.0% growth on 2023/2024 demand	Final Effluent Available	Inflow to Plant	Final Flow from Plant		Existing Capacity	Yield	Inflow to Plant	Final Flow from Plant		Existing Capacity	Required Capacity (1.5x AADD 10yr), Used 1.0% growth on 2023/2024 demand	Yield	Total Inflow to Plants		Total Final Flow from Plants		Capacity												
			k/d	kl					k/d	kl				k/d	kl				k/d	kl	k/d	kl		k/d	kl	k/d	kl	k/d	kl	k/d	kl				
Feb-21	1183	58790	2100	52110	1961	4320	5782																												
Mar-21	1183	75974	2451	42800	1381	4320	5782																												
Apr-21	1183	67015	2234	53530	1784	4320	5782																												
May-21	1183	90854	2931	82220	2652	4320	5782																												
Jun-21	1183	59014	1987	54970	1832	4320	5782																												
Jul-21	1183	78990	2549	69020	2226	4320	5898																												
Aug-21	1183	48247	1556	37850	1221	4320	5898																												
Sep-21	1183	97301	3243	78090	2603	4320	5898																												
Oct-21	1183	106674	3506	104810	3381	4320	5898																												
Nov-21	1183	81830	2728	73870	2462	4320	5898																												
Dec-21	1183	108554	3502	83720	2701	4320	5898																												
Jan-22	1183	96302	3107	109140	3521	4320	5898	2990																											
Feb-22	1183	72167	2577	66910	2390	4320	5898	2970																											
Mar-22	1183	101272	3267	89860	2899	4320	5898	3348																											
Apr-22	1183	105912	3530	112330	3744	4320	5898	2939																											
May-22	1183	95181	3070	118040	3808	4320	5898	3451																											
Jun-22	1183	83509	2784	78460	2815	4320	5898	3316																											
Jul-22	1183	87212	2813	93490	3016	4320	6016	2977																											
Aug-22	1183	112554	3631	107520	3468	4320	6016	2963																											
Sep-22	1183	93398	3113	72990	2433	4320	6016	2434																											
Oct-22	1183	81790	2638	67590	2180	4320	6016	2735																											
Nov-22	1183	130396	4347	113370	3779	4320	6016	3537																											
Dec-22	1183	92161	2973	85530	2759	4320	6016	2652																											
Jan-23	1183	153060	4937	85140	2746	4320	6016	2774																											
Feb-23	1183	111877	3996	67650	2416	4320	6016	2489																											
Mar-23	1183	112842	3640	104290	3364	4320	6016	2932																											
Apr-23	1183	122798	4093	127570	4252	4320	6016	2768																											
May-23	1183	80104	2584	91870	2964	4320	6016	2179																											
Jun-23	1183	22633	754	30270	1009	4320	6016	2953																											
Jul-23	1183	41944	1353	31600	1019	4320	6136	2748																											
Aug-23	1183	58722	1894	42460	1370	4320	6136	3366																											
Sep-23	1183	91302	3043	89560	2985	4320	6136	2985																											
Oct-23	1183	75049	2421	66740	2153	4320	6136	3625																											
Nov-23	1183	102533	3418	92280	3076	4320	6136	3411																											
Dec-23	1183	177822	5736	160040	5163	4320	6136	3423																											
Jan-24	1183	126656	4086	113990	3677	4320	6136	3546																											
Feb-24	1183	148343	5115	147400	5083	4320	6136	3700																											
Mar-24	1183	170100	5487	177080	5712	4320	6136	3648																											
Apr-24	1183	132453	4415	133030	4434	4320	6136	3096																											
May-24	1183	156367	5044	140730	4540	4320	6136	3556																											
Jun-24	1183	147830	4928	150910	5030	4320	6136	63262																											

Date	Beaufort West WTW							Beaufort West Reclamation Plant							Nelspoort WTW							Total WTWs						
	Yield		Inflow to Plant		Final Flow from Plant		Existing Capacity	Required Capacity (1.5x AADD 10yr), Used 2.0% growth on 2023/2024 demand	Final Effluent Available	Inflow to Plant		Final Flow from Plant		Existing Capacity	Yield	Inflow to Plant		Final Flow from Plant		Existing Capacity	Required Capacity (1.5x AADD 10yr), Used 1.0% growth on 2023/2024 demand	Yield	Total Inflow to Plants		Total Final Flow from Plants		Capacity	
	k/d	kl	k/d	kl	k/d	k/d	k/d	k/d	k/d	kl	k/d	kl	k/d	k/d	k/d	kl	k/d	k/d	k/d	k/d	k/d	k/d	kl	kl	k/d	kl	k/d	
	k/d	kl	k/d	kl	k/d	k/d	k/d	k/d	k/d	kl	k/d	kl	k/d	k/d	k/d	kl	kl	k/d	k/d	k/d	k/d	k/d	kl	kl	k/d	kl	k/d	
2006/2007	1717	1041633	2854	889141	2436	4320	3186	2073							404	110047	301	103860	285	500	682	1587	1151680	3155	993001	2721	4820	
2007/2008	1717	1179887	3233	983959	2696	4320	859	1945							404	114485	314	101323	278	500	686	1587	1294372	3546	1085282	2793	4820	
2008/2009	1717	1287112	3526	1098468	3010	4320	830	1744							404	178669	490	119070	326	500	650	1587	1465781	4016	1217538	3336	4820	
2009/2010	1717	849495	2327	787570	2158	4320	3411	1304							404	134470	368	102020	280	500	682	1587	983965	2696	889590	2437	4820	
2010/2011	1717	252028	690	233810	641	4320	3034	1318							404	168083	461	141618	313	500	831	1587	420111	1151	433489	1188	4820	
2011/2012	1717	546585	1497	539510	1478	4320	4430	2101	323430	1772	349418	957	1000	1128	215657	591	118182	324	500	819	3217	1085672	2974	1007110	2759	5820		
2012/2013	1717	682067	1869	664600	1821	4320	4935	2187	711163	1948	386120	1058	1100	1128	167816	460	120302	330	500	904	3317	1561046	4277	171022	3208	5920		
2013/2014	1717	570927	1564	538250	1475	4320	5034	2230	715127	1959	418695	1147	1210	1128	158836	435	131807	361	500	913	3427	1444890	3999	1088572	2983	6030		
2014/2015	1717	377274	1034	373290	1023	4320	5134	1970	673566	1846	412118	1129	1331	1128	173157	474	142423	390	500	922	3548	1224087	3354	927831	2542	6151		
2015/2016	1717	5115930	1401	515930	1414	4320	5237	1941	683503	1873	391762	1073	1464	1128	168608	462	155373	426	500	931	3681	1363465	3736	1036065	2913	6284		
2016/2017	1717	775221	2124	802210	2198	4320	5342	1971	627906	1720	393793	1079	1611	1128	165929	455	152922	419	500	941	3828	1569056	4299	1348925	3696	6431		
2017/2018	1717	209016	573	193396	530	4320	5449	1877	593734	1627	341348	935	1772	1128	147406	404	132041	362	500	950	3989	950156	2603	666785	1827	6592		
2018/2019	1717	202040	554	144720	396	4320	5557	#DIV/0!	658350	1804	418633	1147	1949	1128	158206	433	126363	343	500	960	4166	1018596	2791	689716	1890	6769		
2019/2020	1717	830129	2274	683370	1872	4320	5669	#DIV/0!	677713	1857	426644	1169	2144	1128	165969	455	136221	376	500	969	4361	1673811	4586	1246235	3414	6964		
2020/2021	1717	738202	2022	642390	1760	4320	5782	#DIV/0!	118629	1695	471693	1292	2144	1128	203313	554	155765	427	500	979	4361	1559144	4272	1269488	3479	6964		
2021/2022	1717	1077939	2953	1021200	2800	4320	5898	3169	657485	1801	352498	966	2144	1128	199175	546	147397	404	500	989	4361	1934599	5300	1521995	4170	6964		
2022/2023	1717	1200825	3290	1047280	2869	4320	6016	2783	624348	1711	335911	1220	2144	1128	219985	603	150964	414	500	999	4361	2045158	5603	1534155	4203	6964		
2023/2024	1717	1429121	3915	1345820	3687	4320	6016	3373	717346	2113	427125	1170	2144	1128	173106	474	123060	337	500	999	4361	2373075	6503	1896005	5195	6964		

BEAUFORT WEST WTW (KI/d)



BEAUFORT WEST RECLAMATION PLANT (KI/d)



NELSPOORT WTW (KI/d)

