

## Sewage Flow Built-up (NDAs)

Year																						
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
KTN NDA																						
Residential																						
	0	0	0	0	0	0	0	1,087	1,087	1,087	1,087	1,256	5,502	7,933	7,933	7,933	7,933	7,933	9,517	13,374	23,664	
Employment (Commercial)																						
	0	0	0	0	0	0	0	256	256	281	282	509	1,184	1,437	1,437	1,437	1,494	2,905	8,154	8,839	9,233	
Hotel																						
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	194	194	194	
Student																						
	0	0	0	0	0	0	0	0	0	0	0	109	137	150	150	150	150	447	455	485	503	
Visitors																						
	0	0	0	0	0	0	0	7	7	40	40	40	40	128	128	128	128	128	128	128	128	
KTN NDA SubTotal																						
	0	0	0	0	0	0	0	1,350	1,350	1,408	1,408	1,914	6,863	9,647	9,647	9,647	9,704	11,412	18,448	23,020	33,722	
FLN NDA																						
Residential																						
	0	0	0	0	0	21	21	30	30	30	30	30	1,055	2,424	3,193	3,193	3,193	3,193	4,989	8,917	14,874	
Employment (Commercial)																						
	0	0	0	0	0	6	6	6	286	286	286	331	580	663	746	746	804	1,138	1,591	1,981	2,546	
Hotel																						
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Student																						
	0	0	0	0	0	0	0	0	0	0	0	0	85	90	95	95	95	314	331	343	364	
Visitors																						
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FLN NDA SubTotal																						
	0	0	0	0	0	26	26	35	315	315	315	361	1,720	3,177	4,034	4,034	4,092	4,644	6,910	11,241	17,784	
SWH STW (From KTN & FLN NDAs)																						
Residential																						
	0	0	0	0	0	21	21	1,116	1,116	1,116	1,116	1,286	6,557	10,356	11,125	11,125	11,125	11,125	14,506	22,291	38,538	
Employment (Commercial)																						
	0	0	0	0	0	6	6	262	542	567	567	840	1,764	2,100	2,183	2,183	2,298	4,043	9,745	10,820	11,779	
Hotel																						
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	194	194	194	
Student																						
	0	0	0	0	0	0	0	0	0	0	0	109	223	240	245	245	245	760	785	828	867	
Visitors																						
	0	0	0	0	0	0	0	7	7	40	40	40	40	128	128	128	128	128	128	128	128	
SWH STW (From KTN & FLN NDAs) SubTotal																						
	0	0	0	0	0	26	26	1,385	1,665	1,723	1,723	2,275	8,583	12,824	13,681	13,681	13,796	16,057	25,358	34,260	51,506	

## Sewage Flow Built-up (SWH STW)

Year																					
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
KTN NDA																					
	0	0	0	0	0	0	0	1,350	1,350	1,408	1,408	1,914	6,863	9,647	9,647	9,647	9,704	11,412	18,448	23,020	33,722
FLN NDA																					
	0	0	0	0	0	26	26	35	315	315	315	361	1,720	3,177	4,034	4,034	4,092	4,644	6,910	11,241	17,784
Base Line Flow in 2031 (Existing SWH STW Sewerage Catchment, Including PC/TKL Areas)																					
	90,800	91,440	92,080	92,720	93,360	94,000	94,400	94,800	95,200	95,600	96,000	97,040	98,080	99,120	100,160	101,200	101,641	102,083	102,524	102,966	103,407
Public and Private Housing																					
	0	480	960	1,440	1,920	2,400	4,420	6,440	8,460	10,480	12,500	12,120	11,740	11,360	10,980	10,600	10,609	10,618	10,628	10,637	10,646
Village Sewerage Connection																					
	0	600	1,200	1,800	2,400	3,000	5,900	8,800	11,700	14,600	17,500	17,360	17,220	17,080	16,940	16,800	16,830	16,859	16,889	16,918	16,948
SWH STW Total																					
	90,800	92,520	94,240	95,960	97,680	99,426	104,746	111,425	117,025	122,403	127,723	128,795	135,623	140,384	141,761	142,281	142,876	145,617	155,398	164,781	182,507