

SCWA STATISTICS AND WELL INFORMATION

How Much Water Did We Supply in 2023?

In 2023, we pumped 71.2 billion gallons of water. Of that total, 90.4% was used to meet the demands of our customers and 1.4% was used for flushing water mains, firefighting, street cleaning and other purposes. The remaining 8.2% represents water loss and is attributed to main breaks, leaks and unauthorized usage.



SCWA Statistics for Calendar Year Ended December 31, 2023

Customers	393,074
Population Served	1,179,222
Miles of Main.....	6,072
Fire Hydrants.....	36,285
Water Pumped (billion gallons).....	71.2
Total Wells in System.....	639
Active Wells in System	584
Pump Stations.....	242
Storage Facilities	69
Water Storage Capacity (million gallons)	73.6
Average Annual Water Rates (166,424 gallons/customer)	\$620

Wells Placed in Service in 2023

In 2023, we added four new wells to our water system and replaced two wells. In addition, this table lists the twelve wells placed in service with treatment to remove the contaminant(s) noted.

Well Name(s)	Location	Contaminant(s)	Treatment Type
Blue Point Rd #1	Holtsville	PFC's/Chlorodane	GAC Filtration
Douglas Ave #1	Northport	1,4 Dioxane	Advanced Oxidation Process
Douglas Ave #2	Northport	1,4 Dioxane	Advanced Oxidation Process
Flower Hill Rd #1	Halesite	1,4 Dioxane	Advanced Oxidation Process
Flower Hill Rd #2	Halesite	1,4 Dioxane	Advanced Oxidation Process
Flower Hill Rd #3	Halesite	1,4 Dioxane	Advanced Oxidation Process
Hollywood Pl #1	Huntington Station	1,4 Dioxane	Advanced Oxidation Process
Lawrence Ave #2	Kings Park	1,4 Dioxane/VOC's	AOP/GAC Filtration
Liberty Ave #2	Hauppauge	PFC's	GAC Filtration
Mckay Rd #1	Huntington	1,4 Dioxane	Advanced Oxidation Process
Old Country Rd #1A	Westhampton	PFC's	GAC Filtration
Strathmore Ct #3	Coram	PFC's/Tetrachloroethene	GAC Filtration
Waterside Rd #2	Northport	PFC's	Advanced Oxidation Process

Wells Taken Out of Service in 2023

In 2023, we retired two wells. In addition, the five wells listed in this table were removed from service because they had elevated levels of the contaminant(s) noted.

Well Name(s)	Location	Contaminant(s)	Well Name(s)	Location	Contaminant(s)
Belmore Ave #1	Great River	Well Screen Failure	Pleasant Ave #4	Centereach	Tetrachloroethene
Meehan Ln #2	Coram	Nitrates	Station Rd #3	North Bellport	PFC's
Peconic St LK #2	Lakeland	1,4 Dioxane			

WATER TREATMENT INFORMATION

As most of our groundwater already meets all state and federal water quality standards, it generally does not receive extensive treatment. Before the water leaves the pump station, minute traces of chlorine are routinely added according to the specifications of the state health department to prevent bacterial growth that could occur in our water mains and tanks. Our bacteriological test results can be found on pages 29 and 30. Information regarding the disinfection byproducts formed from the addition of chlorine can be found on pages 17 - 19.

We also adjust the pH level of the water we deliver to you because the water, which we pump from the ground, is naturally acidic (pH can range from 4.5 to 6.8). To prevent corrosion of home plumbing, our water is chemically "buffered" by adding a hydrated lime product to increase the pH level. Soda ash is sometimes used instead of hydrated lime in certain portions of our system. This greatly reduces or eliminates the leaching of lead and copper from customers' interior plumbing. Our test results for lead and copper can be found on page 19.



**Typical Pump Station
with Elevated Storage Tank**



**Iron and Manganese
Removal Filters**

In areas where the groundwater naturally contains iron or manganese levels higher than the standard, sequestering agents such as polyphosphates may be added to control the iron and keep it in solution. We also use specialized iron and manganese removal filters, and employ strategies such as systematic flushing of water mains to reduce these naturally occurring metals. If any well exceeds the standard and does not have treatment, it is removed from service.

Approximately 31% of our wells receive treatment using granular activated carbon filtration to remove pesticides/herbicides, per- and polyfluoroalkyl substances such as PFOA/PFOS, and volatile organic compounds. Packed Tower Aeration (PTA) units also called air strippers, ion exchange, perchlorate resin filters and Advanced Oxidation Process (AOP) are also used as needed. In some cases wells are blended together at the pump station to lower the amount of contaminants, such as nitrate and 1,4-Dioxane, in the water we serve.



**Ion Exchange Filters
for Nitrate Removal**



**Granular Activated
Carbon**



**Advanced Oxidation
Process**