



# SUSQUEHANNA RIVER BASIN COMMISSION

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## Groundwater Withdrawal Application Summary

**Source Name:** Foster Island PW-41

**SRBC Pending No.:** 2020-111

This summary is only a portion of the application materials and is meant to provide general information about the proposed project.

### 1.1 Project Sponsor

Company Name: Elmira Water Board  
Mailing Address Line 1: 261 W. Water Street  
Mailing Address Line 2:  
City: Elmira  
State: NY  
ZIP Code: 14901

### Contact Person:

First Name: Brian  
Last Name: Bednarski  
Title: Assistant General Manager  
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### 1.3 Existing and Projected Facility Water Use

The usage should be entered in million gallons per day (mgd) and rounded off to the nearest one thousand gallons (three decimal places).

Projected Design Year:  
2035

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	6.88	5
Maximum Daily Water Demand :	7.598	8
System Capacity :	12.41	12.41

### 1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 24  
Maximum Instantaneous Withdrawal Rate (gpm): 650  
Maximum 24-Hour Day (mgd): 0.936  
Maximum 30-Day Average (mgd): 0.865

The Elmira Water Board operates a Water Treatment Plant which it uses to treat and then distribute water to our approximately 18,000 customers in the surrounding area.

Our raw water sources are the Chemung River and two well fields (Foster Island and Hudson Street). We have a raw water pumping station which pumps water from the Chemung River to our Filter Plant. All three sources are blended and sent to our Water Treatment Plant. Once the water enters our Treatment Plant it undergoes coagulation and sedimentation for solids removal. Gravity flow is then used to move the settled water to the dual media filter beds for final treatment and disinfection. Once treatment is complete, it is pumped up to our 5 million gallon storage tank for contact time and gravity distribution to our customers.

Our distribution system contains 225 miles of water mains, 1,245 hydrants and several thousand valves and service lines. In addition to our treatment facilities, we operate and maintain six pumping stations, four finished water reservoirs (combined system storage of approx. 8.5 million gallons), and 5 wells.

Any return water at our filter plant which is not sent out to our distribution system is returned to the Chemung River via Hoffman Creek.