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WATER TREATMENT PLANT UPGRADES TO SAVE CITY OF OSWEGO \$835,000 ANNUALLY

OSWEGO, NEW YORK – The City of Oswego, in an attempt to improve upon the energy and operating efficiencies of its Water Treatment Plant, has teamed up with Wendel Energy Services in an Energy Performance Contract (EPC). In order to obtain the savings and reductions requested by the city, Wendel identified several energy conservation measures for the city to move forward with to accomplish their goals. The proposed measures will also have a positive environmental impact by reducing the carbon footprint of the Water Treatment Plant.

No major upgrades have been made to the filtration system of the Water Treatment Plant since 1993, leaving much room for improvement. Since the City of Oswego draws its water from Lake Ontario, an updated filtration system is a necessity. With the system near the end of its useful life and a degradation in performance, Wendel assisted the city in completing major upgrades to the system which will not only allow for energy savings, but reduce operations and maintenance (O&M) costs as well. There is also potential for increases in water revenue as the possibility exists for adding new industrial and commercial customers.

Not only were upgrades be made to the filtration system but other measures implemented included flocculation and sedimentation system upgrades, as well as exterior lighting improvements. Similar to the filtration system upgrades, these measure will assist in reducing energy consumption and maintenance costs to the plant's equipment.

Although the filtration system upgrades contribute the most to the approximately \$2.1 million total project cost, the improvements made will generate over \$800,000 in savings between energy and O&M costs. Bundling this with the other measures being taken, the Water Treatment Plant upgrades will not only pay for themselves but also free up more capital for the City of Oswego for years to come.

About Wendel

Wendel is a nationally recognized design, construction and energy services company (ESCO), providing services to clients across the country, including architecture; interior design; civil, electrical, energy efficiency, environmental, mechanical, municipal, structural, and transportation engineering; construction management;



energy management; alternative fuels; commissioning; GIS; landscape architecture; land-use planning; and survey. The firm is headquartered in Buffalo, NY with offices in New York Metro; Rochester, NY; Syracuse, NY; Albany, NY; Minneapolis, MN; Eau Claire, WI; Phoenix, AZ; Richmond, VA; Clarksburg, WV; Columbus, OH; and Washington, DC areas. Wendel is ISO 9001:2015 certified.

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