



# ERIE COUNTY WATER AUTHORITY

## INTEROFFICE MEMORANDUM

May 23, 2018

To: Jerome D. Schad, Chairman  
Mark S. Carney, Vice Chairman

From: Russell J. Stoll, Executive Engineer

A handwritten signature in black ink, appearing to read "R. Stoll", is written over the name "Russell J. Stoll" in the "From:" line.

Subject: Request for Proposals  
Professional Engineering Services for  
Hydraulic Integrity – Reliability of Water Supply & Alternative Sources Study  
ECWA Project No. 201800030

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The Erie County Water Authority (Authority) issued Requests for Proposals (RFP) for the above referenced study. This study assesses the system's ability to provide adequate flow and pressure when critical system components are out of service. These components can be transmission mains, treatment plants or pump stations. The detailed study is required to confirm the findings of a preliminary in-house study performed for the same purpose. The hydraulic integrity study considers the use of rehabilitated or new pumping facilities to support the loss of flow or pressure from critical out of service facilities. If the findings of the preliminary study can't be confirmed alternative approaches will be considered and studied. Following a complete study, recommendations for the next steps will be provided to the Board for consideration.

The RFP was issued to Arcadis, CHA Consulting, Clark Patterson Lee, GHD, Greenman-Pedersen, Inc., Nussbaumer & Clarke, Inc, O'Brien & Gere Engineers, and Wendel Companies. Three firms responded with proposals for the above professional services. These firms in alphabetical order are:

- CHA Consulting
- Nussbaumer & Clarke, Inc.
- O'Brien & Gere Engineers

Greenman-Pedersen, Inc. declined to propose and submitted a letter stating such.

The proposals were distributed to members of the engineering staff and reviewed and evaluated based on qualifications, experience, project approach and scope of work. Relative level of effort and costs were also considered.

The Project Understanding and Scope of Work for the three firms were reviewed for detail and approach to the project.

O'Brien & Gere Engineers offered a project understanding and associated scope of work that met the objectives of the RFP. Their approach also included work that will provide more operationally representative model results. They have similar project experience with a broad range of clients and diverse water systems, as well as work with the Authority. Their project team includes professionals with broad experience in the type of work required for the study phase of this proposed project.

I am asking the Board's approval to allow us to begin negotiations with O'Brien & Gere Engineers to pursue developing a contract for this proposed work.

RJS\*Imb

cc: E.Jann

T.McCracken

ECWA048-1801

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**ERIE COUNTY WATER AUTHORITY**  
**INTEROFFICE MEMORANDUM**

May 23, 2018

To: Jerome D. Schad, Chairman  
Mark S. Carney, Vice Chairman

From: Russell J. Stoll, Executive Engineer

Subject: Request for Proposals  
Professional Engineering Services for  
Capital Improvements Program for Ball Pump Station  
ECWA Project No. 201800030

A handwritten signature in black ink, appearing to be "R. Stoll", is written over the "From:" line of the memorandum.

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The Erie County Water Authority (Authority) issued Requests for Proposals (RFP) for the above referenced project for professional engineering services. The Richard F. Ball Pumping Station and Ground Storage Tanks were built in the mid 1970s. The site is between 6 and 7 acres and contains the pump station, two ground storage tanks, associated yard piping and electrical substation. The Van de Water Treatment Plant in the Town of Tonawanda pumps finished water to the two storage tanks at the pump station. The tanks supply water to the five pumps in the pump station which range in size from 700 hp to 1,500 hp. Two pumps are typically used on a daily basis to supply water to the nearby and outlying areas of the Authority's system. The larger capacity pumps are typically used during periods of high system demand and will sometimes sit idle for several years.

This proposed project consists of the preparation of a multi-year capital improvements program for the Ball Pump Station.

The RFP was issued to Arcadis, CHA Consulting, Clark Patterson Lee, GHD, Greenman-Pedersen, Inc., Nussbaumer & Clarke, Inc, O'Brien & Gere Engineers, and Wendel Companies. Four firms responded with proposals for the above professional services. These firms in alphabetical order are:

- Arcadis
- CHA Consulting
- Clark Patterson Lee
- Nussbaumer & Clarke, Inc.
- O'Brien & Gere Engineers
- Wendel Companies

Greenman-Pedersen, Inc. declined to propose and submitted a letter stating such.

The proposals were distributed to members of the engineering staff and reviewed and evaluated based on qualifications, experience, project approach and scope of work. Relative level of effort and costs were also considered.

The Project Understanding and Scope of Work for the six firms were reviewed for detail and approach to the project.

Arcadis offered a detailed project understanding and associated scope of work that met the objectives of the RFP. They have similar experience both with other organizations, as well as the Authority. Their project team includes professionals with broad experience in this type of work, as well as design and implementation of these types programs. Arcadis completed a similar project for the Authority involving the Pine Hill Pump Station.

I am asking the Board's approval to allow us to begin negotiations with Arcadis and to pursue developing a contract for this work.

RJS\*Imb

cc: E.Jann

T.McCracken

ECWA-048-1801

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**ERIE COUNTY WATER AUTHORITY**  
**INTEROFFICE MEMORANDUM**

May 23, 2018

To: Jerome D. Schad, Chairman  
Mark S. Carney, Vice Chairman

From: Russell J. Stoll, Executive Engineer

A handwritten signature in black ink, appearing to read "R. Stoll", is written over the "From:" line.

Subject: Request for Proposals  
Professional Engineering Services for  
Guenther Pump Station Rehabilitation  
ECWA Project No. 201800030

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The Erie County Water Authority (Authority) issued Requests for Proposals (RFP) for the above referenced project for professional engineering design and construction phase services. The Pump Station was constructed in the 1970's and has had several minor upgrades since. Historically the pump station was only used during periods of high system demand during the summer and may otherwise remain idle for multiple years. In more recent years, the pump station has been used during emergencies to supply additional pressure to the distribution system while the distribution system was operating at a reduced capacity. The study and associated design will seek to rehabilitate the station to allow it to operate throughout the year in a more efficient manner. This will include a more integrated operation within the system as well as more cost effective relative to electrical usage.

The RFP was issued to Arcadis, CHA Consulting, Clark Patterson Lee, GHD, Greenman-Pedersen, Inc., Nussbaumer & Clarke, Inc, O'Brien & Gere Engineers, and Wendel Companies. Five firms responded with proposals for the above professional services. These firms in alphabetical order are:

- Arcadis
- Clark Patterson Lee
- GHD
- Nussbaumer & Clarke, Inc.
- O'Brien & Gere Engineers

Greenman-Pedersen, Inc. declined to propose and submitted a letter stating such.

The proposals were distributed to members of the engineering staff and reviewed and evaluated based on qualifications, experience, project approach and scope of work. Relative level of effort and costs were also considered.

The Project Understanding and Scope of Work for the five firms were reviewed for detail and approach to the project.

GHD offered a project understanding and associated scope of work that met the objectives of the RFP. They have similar experience both with other organizations, as well as the Authority. Their project team includes professionals experienced in the type of work from the study phase through the construction and implementation phase.

I am asking the Board's approval to allow us to begin negotiations with GHD and to pursue developing a contract for this work.

RJS\*Imb

cc: E.Jann

T.McCracken

ECWA-048-1801

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**ERIE COUNTY WATER AUTHORITY**  
**INTEROFFICE MEMORANDUM**

May 23, 2018

To: Jerome D. Schad, Chairman  
Mark S. Carney, Vice Chairman

From: Russell J. Stoll, Executive Engineer

A handwritten signature in black ink, appearing to read "R. Stoll", is written over the "From:" line.

Subject: Request for Proposals  
Professional Engineering Services for  
Ball North Storage Tank Replacement  
ECWA Project No. 201800030

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The Erie County Water Authority (Authority) issued Requests for Proposals (RFP) for the above referenced project for professional engineering design and construction phase services. The Richard F. Ball Pumping Station and Ground Storage Tanks were built in the mid 1970's. The site is between 6 and 7 acres and contains the pump station, two ground storage tanks, associated yard piping and electrical substation. The North and South Storage Tanks each have a capacity of four million two hundred thousand gallons (4.2-MG) for a total volume of eight million four hundred thousand gallons (8.4-MG). Both tanks were originally constructed out of steel and both tanks have shown signs of structural deterioration in recent years. Due to this deterioration, the South tank was replaced with a pre-stressed concrete storage tank in 2016. The scope of work for this proposed project involves the removal of the existing North tank and replacing it with a pre-stressed concrete storage tank.

The RFP was issued to Arcadis, CHA Consulting, Clark Patterson Lee, GHD, Greenman-Pedersen, Inc., Nussbaumer & Clarke, Inc, O'Brien & Gere Engineers, and Wendel Companies. Four firms responded with proposals for the above professional services. These firms in alphabetical order are:

- CHA Consulting
- Clark Patterson Lee
- O'Brien & Gere Engineers
- Wendel Companies

Greenman-Pedersen, Inc. declined to propose and submitted a letter stating such.

The proposals were distributed to members of the engineering staff and reviewed and evaluated based on qualifications, experience, project approach and scope of work. Relative level of effort and costs were also considered.

The Project Understanding and Scope of Work for the four firms were reviewed for detail and approach to the project.

Wendel offered a project understanding and associated scope of work that met the objectives of the RFP. They have experience both with other organizations, as well as the Authority. Their project team includes professionals experienced in the type of work from the engineering design phase through the construction and implementation phase. Their experience with the Ball south tank will be valuable in completing the project.

I am asking the Board's approval to allow us to begin negotiations with Wendel Engineers and to pursue developing a contract for this work.

RJS\*Imb

cc: E.Jann

T.McCracken

ECWA-048-1801

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