



The City of Daytona Beach Utilities Department

To: James V. Chisholm, City Manager

From: John J. Drago, Business Enterprise Management Director *JJD*

Date: November 15, 2017

Subject: Purchase of Electrode Assemblies – Brennan Water Treatment Plant – De Nora Water Technologies, Inc. – SOLE SOURCE

REQUEST:

Utilities Department requests the City Commission adopt a resolution approving the purchase of six electrode assemblies from De Nora Water Technologies Inc., 1110 Industrial Blvd., Sugarland, TX 77474 in the amount of \$234,127.64.

PURPOSE:

The purpose of this request is to replenish inventory of electrode assemblies.

CONSIDERATIONS:

The three Chlortec on-site Hypochlorite Generation Systems at the Brennan Water Treatment Plant produces chlorine which is the fundamental chemical in the disinfection treatment process for potable water. Electrode cells in the assembly makes the on-site production of chlorine feasible. The electrode assemblies have a 5-7 year life expectancy. The City keeps extra electrode assemblies in inventory to replace expired electrode assemblies in order to maintain redundancy and compliance with potable water quality standards.

De Nora Water Technologies is the sole manufacturer of Chlortec on-site Hypochlorite Generation Systems including providing parts, repair services, and technical support. The City for the last 10 years has used the Chlortec Generation Systems exclusively to disinfect potable water in order to meet current state and federal water quality regulations. When the Chlortec Generation System needs parts or service, De Nora is the sole provider of parts and service.

Current State and Federal water quality regulations for potable water plants require that on-site Hypochlorite Generation Systems meet NSF (National Sanitation Foundation) and EPA (Environmental Protection Agency) certification. Chlortec manufactured on-site Hypochlorite Generation System fully complies with state and federal water quality regulations that meet NSF and EPA certifications for safety, water quality, sustainability and performance.

FUNDING:

There are sufficient funds in the 425-610000-536-565000-611407 Renewal & Replacement account.

RECOMMENDATION:

Utilities Department recommends the City Commission adopt a resolution approving the purchase of six electrode assemblies from De Nora Water Technologies Inc., 1110 Industrial Blvd., Sugarland, TX 77474 in the amount of \$234,127.64.

SCHEDULE:

Commission Approval December 2017

ATTACHMENTS:

Agenda Summary
Sufficiency of Funds
Quote
Sole Source Letter
Power Point Presentation