

**Region:** 2

**Location:** NY127

**CSS #:** 21181

**Maximo Work Order No.:** 5670

**Asset #:** NA

**Date Issued:** 9/26/19

**Original Description:**

Repair leaking Glycol Tank on the Heating Loop, it appears to be leaking somewhere in the Piping. urgent POC Mike Moseman 518-421-2252

**Repairs Needed:**

Complete repairs for glycol leaks at the Binghamton Army Reserve site.

EMTech proposes to supply all labor and material needed to complete the following:

- Isolate and replace 14 unions that are leaking with dielectric unions and 2 ½" control valves
- Remove and replace the faulty 30 gallon expansion tank with a new 60 gallon tank
- Add glycol to system and adjust fill tank controls.
- Provide glycol analysis of both chilled water loop and hot water loop
- Ensure proper operation

**RS Means Line Buildup and Labor Summary (Data Version 2017, Q4):**

Quantity	Line Item Number	Description	Labor Hours	Labor Rate/Hr	Materials	Equipment	Total
--	NA	Materials (See attached detail)	--	--	\$8,187.00	--	\$8,187.00
--	NA	EMTech Labor	--	--	--	--	\$9,920.00
--	NA	EMTech Travel	--	--	--	--	\$2,470.00
--	NA	Tidewater Labor	24	\$80.00	--	--	\$1,920.00

**Estimate Summary:**

Labor Hours	Labor Cost	Material Cost	EMTECH Travel	Total Cost	CE Factor	Total Estimate
--	\$11,840.00	\$8,187.00	\$2,470.00	\$22,497.00	90%	<b>\$20,247.30</b>



## ENERGY MANAGEMENT TECHNOLOGIES, LLC

5 HEMLOCK STREET

LATHAM, NEW YORK 12110

518.783-7810

FAX: 518.783-2079

### PROPOSAL

November 8, 2019

Tidewater Inc.  
6625 Selnick Drive, Suite A  
Elkridge, Maryland 21075

Attn: Patrick Brown

#### **Original CSS# 21181**

**Subject:** Complete repairs for glycol leaks at the Binghamton Army Reserve site.

#### **Scope of Service:**

EMTech proposes to supply all labor and material needed to complete the following:

- Isolate and replace 14 unions that are leaking with dielectric unions and 2 ½" control valves
- Remove and replace the faulty 30 gallon expansion tank with a new 60 gallon tank
- Add glycol to system and adjust fill tank controls.
- Provide glycol analysis of both chilled water loop and hot water loop
- Ensure proper operation

*\*\*The original trip to evaluate the system is also included in this proposal (\$1,729.20)\*\**

**For the above work, we quote: \$20,577.00.....Twenty Thousand Five Hundred and Seventy Seven Dollars.**

**Any and all taxes are not included.**

The above is broken down as follows:

\$9,920.00 **Labor**

\$8,187.00 **Material**

\$2,470.00 **Travel Expenses** (Hotels, Meals, Travel)

Thank you for including EMTech on your energy team. We look forward to working with you. Please feel free to contact for any questions or concerns you may have on this project.

Sincerely,

**Jenna Caligaris**  
Service Coordinator



