

Date: 1-2-24

Region: 4C

CSS No.: 96117

FAC ID: WV006

Maximo WO No.: 14558



Asset #: []

Priority: 1

Original Work Request:

Casto Technical was at this facility and performed PMs on the boilers on 11/28/23 at the time the glycol feeder was empty. After 10 days we have gone thru 20 gal of glycol. CMI has a quote from Casto to find the leak. This needs to be done so the facility won't go without heat and we need to stop the leak of glycol. We have walked thru facility and can't find any leaks around any of the equipment or ceiling tile. Recommended Contractor: Casto

Description of Repairs Needed:

Service Mgr determined the glycol is going down floor drain in front of the boilers when they operate for longer durations. He witnessed the HW system pressure climb from 30 psi to 50 psi over course of 20 min indicating the HW expansion tank has lost it's air charge. The unit is a bladder tank and it needs replacing. Determined most economical solution is to install a new tank horizontally overhead in front of boilers vs uninstalling the existing tank, changing bladder and reinstalling. Also recommend changing relief valves.

Labor:

	Labor Hrs	Labor Rate	Total
Tech (1)	8	\$ 132.00	\$ 1,056.00
Tech (1)	8	\$ 112.00	\$ 896.00

Material List:

	Quantity	Cost	Total
JAER-23-603 24 Gal Expansion Tank	1	\$ 1,762.50	\$ 1,762.50
Shipping & Handling	1	\$ 227.50	\$ 227.50
Misc parts	1	\$ 450.00	\$ 450.00
Trip Charge	30	\$ 1.75	\$ 52.50
		\$	-
		\$	-
		\$	-

Equipment List:

	Quantity	Cost	Total
		\$	-
		\$	-
		\$	-

PM WO History:

Estimate Summary:

Labor	Material	Equipment
\$1,952.00	\$2,492.50	\$0.00

Sub Total	G&A 12%	Fee 6%	Total Estimate
\$4,444.50	\$533.34	\$266.67	\$5,244.51