



94 Reservoir Park Drive  
Rockland, MA 02370  
(617)-544-3200

November 5, 2024

**Solution: New Steam Traps**

**Site: Cummings School, 42 Prescott Street, Somerville, MA 02145**

**Presented To:**  
**Andrew Reider**  
City of Somerville  
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**Prepared By:**  
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**Inovis Energy, Inc, is a turn-key implementer of energy efficiency measures. We provide our clients with a streamlined approach to energy conservation projects that makes the process efficient, clear, and successful.**

**We have included the necessary information for review of the above-mentioned project in this report. We hope you find our analysis clear and concise. If there are any specific questions, or additional information requested, please let us know.**

*Tony Parente*

**Tony Parente**  
**Director of**  
**Business**  
**Development**  
**Inovis Energy, Inc.**

**Proposed Scope of Work:**

Inovis Energy proposes to supply and install (20) new steam traps per the findings in separately provided steam trap survey. Significant energy and maintenance savings will result.

**Clarifications and Assumptions:**

1. Work to be performed during normal, first shift hours, Monday through Friday, prevailing wage.
2. No existing code violations to be corrected.

**Proposal:**

Description	Total Cost	Utility Incent -ive	Total Cost less Incentive	Annual Therms Savings	Annual Cost Savings	Payback (yrs)
Supply & Install (20) Steam Traps	\$17,225	\$4,695	\$12,530	1,538	\$2,692	4.7

\*Cost savings based on Natural Gas cost of \$1.75/Therm

Due to current supply chain volatility, this proposal is valid for 30 days from date of submittal.



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### AGREEMENT TO PROCEED

**Customer: City of Somerville**  
**Site Address: 42 Prescott Street**  
**Somerville, MA 02145**

### Solution: New Steam Traps

#### Terms & Conditions:

This is a turnkey proposal unless otherwise agreed upon by the customer and Inovis Energy, Inc. Labor, materials, and waste disposal are included in the project cost. The total installed cost is based on the included 'Scope of Work'. Any fixtures not included in the 'Scope of Work', or uncounted fixtures or areas that the customer would like to add to the contract are treated as a Change Order. Change Orders must be approved by the customer prior to installation. Any available rebates/incentives will be paid to Inovis Energy, Inc. unless otherwise noted, and will be considered partial payment for the project as outlined below.

Upon acceptance of this proposal (unless financing), the customer shall pay a deposit of 50% of the contract price. The customer understands that Inovis will incur certain mobilization expenses as a result of its undertaking this project. If the customer seeks to cancel the contract, Inovis will be entitled to 10% of the contract price to cover these mobilization expenses. If the customer cancels the project within thee (3) days of signature, Inovis shall waive said mobilization expenses.

#### Acceptance of Terms:

Somerville approved the terms & conditions outlined above as well as the scope of work as provided. Somerville agrees to the following payment terms and amounts outlined below. Any unpaid invoices that exceed 30 day terms will accrue late fees of 2% per month.

**Payment Terms: Total Cost less Incentive due Net 30.**

**Client Accepted By:**

**Inovis Energy, Inc Accepted By:**

**Name:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Date:** \_\_\_\_\_

## Review of Recorded Data

Table 1: Summary of Audit Results

		Failing Status						
Fully Operational	Blowing By	Leaking	Plugged	Not In Service (NIS)	Retired in Place (RIP)	Total		
25	5	8	7	0	0	45		

An estimated 6,032 therms/year could be saved by making repairs to faulty traps.

Table 2: Audit Results

TRAP	APPLICATION	BLDG/ROOM/FLOOR	LOCATION/ELEVATION	MFG	MODEL	TRAP TYPE	PIPE SIZE (IN.)	PSIG	TRAP STATUS	
1	14629	Drip Leg	Cummings/Basement/Boiler	Front of Boiler 7'	Spirax Sarco	FT-15	Float & Thermostatic	1	5	Fully Operational
2	14630	Heat Exchanger	Cummings/Basement/Boiler	Right side of Boiler 8'	Dunham Bush	30-8A	Float & Thermostatic	2	5	Fully Operational
3	14631	Radiator	Cummings/2nd/Hall	Window right side end hall near 26&29	Hoffman	8C	Thermostatic Angle	3/4	5	Fully Operational
4	14632	Radiator	Cummings/2nd/29	Left windows right side	Barnes & Jones	147	Thermostatic Angle	1	5	Blowing by
5	14633	Univent	Cummings/2nd/29	Right window right side	Barnes & Jones	147	Thermostatic Angle	1	5	Blowing by
6	14634	Radiator	Cummings/2nd/29A	Window left side	Hoffman	8C	Thermostatic Angle	3/4	5	Fully Operational
7	14635	Radiator	Cummings/2nd/28	Left window right side	Barnes & Jones	147	Thermostatic Angle	1	5	Blowing by
8	14636	Univent	Cummings/2nd/28	Right window right side	Hoffman	9C	Thermostatic Angle	1	5	Fully Operational
9	14637	Univent	Cummings/2nd/27	Right window right side	Barnes & Jones	147	Thermostatic Angle	1	5	Fully Operational
10	14638	Radiator	Cummings/2nd/27	Left windows right side	Barnes & Jones	147	Thermostatic Angle	1	5	Blowing by
11	14639	Radiator	Cummings/2nd/26A	Window left side	Hoffman	8C	Thermostatic Angle	3/4	5	Leaking
12	14640	Radiator	Cummings/2nd/26A	Bathroom	Hoffman	8C	Thermostatic Angle	3/4	5	Plugged
13	14641	Radiator	Cummings/2nd/26	Left window right side	Hoffman	9C	Thermostatic Angle	1	5	Plugged

14	14642	Univent	Cummings/2nd/26	Right window right side	Barnes & Jones	147	Thermostatic Angle	1	5	Fully Operational
15	14643	Radiator	Cummings/1st/East Stairs	Landing left side	Barnes & Jones	147	Thermostatic Angle	1	5	Fully Operational
16	14644	Radiator	Cummings/1st/Hall	East end right side	Hoffman	8C	Thermostatic Angle	3/4	5	Fully Operational
17	14645	Radiator	Cummings/1st/34 east office	Window left side	Hoffman	8C	Thermostatic Angle	3/4	5	Plugged
18	14646	Radiator	Cummings/1st/34 center east office	Window right side	Hoffman	8C	Thermostatic Angle	3/4	5	Fully Operational
19	14647	Radiator	Cummings/1st/34 center west office	Window left side	Hoffman	8C	Thermostatic Angle	3/4	5	Plugged
20	14648	Radiator	Cummings/1st/34 west office	Window right side	Hoffman	8C	Thermostatic Angle	3/4	5	Fully Operational
21	14649	Radiator	Cummings/1st/35	Window right side	Hoffman	8C	Thermostatic Angle	3/4	5	Fully Operational
22	14650	Radiator	Cummings/1st/35	Left center window right side	Hoffman	8C	Thermostatic Straight	3/4	5	Leaking
23	14651	Radiator	Cummings/1st/35	Right center window left side	Hoffman	8C	Thermostatic Angle	3/4	5	Fully Operational
24	14652	Radiator	Cummings/1st/35	Right window left side	Hoffman	8C	Thermostatic Angle	3/4	5	Leaking
25	14653	Radiator	Cummings/1st/36	Left window left side	Hoffman	8C	Thermostatic Straight	3/4	5	Fully Operational
26	14654	Radiator	Cummings/1st/36	Center window right side	Hoffman	8C	Thermostatic Angle	3/4	5	Plugged
27	14655	Radiator	Cummings/1st/36	Right window right side	Barnes & Jones	122	Thermostatic Angle	1/2	5	Fully Operational
28	14656	Radiator	Cummings/1st/Bathroom	Window left side	Hoffman	8C	Thermostatic Angle	3/4	5	Fully Operational
29	14657	Radiator	Cummings/1st/37	Left window right side	Hoffman	8C	Thermostatic Angle	3/4	5	Fully Operational
30	14658	Radiator	Cummings/1st/37	Left center window left side	Hoffman	8C	Thermostatic Angle	3/4	5	Fully Operational
31	14659	Radiator	Cummings/1st/37	Right center window left side	Hoffman	8C	Thermostatic Angle	3/4	5	Plugged
32	14660	Radiator	Cummings/1st/37	Right window right side	Hoffman	8C	Thermostatic Angle	3/4	5	Plugged
33	14661	Drip Leg	Cummings/Basement/Boys	Front right corner 9'	Hoffman	FT-55	Float & Thermostatic	1	5	Leaking
34	14662	Radiator	Cummings/Basement/Boys	Back right corner 9'	Barnes & Jones	134	Thermostatic Angle	3/4	5	Blowing by

35	14663	Drip Leg	Cummings/Basement/West Storage	Back right corner 9'	Barnes & Jones	T-41	Float & Thermostatic	3/4	5	Leaking
36	14664	Drip Leg	Cummings/Basement/West Storage	Front right corner 9'	Barnes & Jones	T-41	Float & Thermostatic	3/4	5	Fully Operational
37	14665	Radiator	Cummings/0.5/Main entrance	West end right of entry right side	Hoffman	8C	Thermostatic Angle	3/4	5	Fully Operational
38	14666	Radiator	Cummings/0.5/Main entrance	West end left of entry left side	Hoffman	8C	Thermostatic Angle	3/4	5	Leaking
39	14667	Radiator	Cummings/Basement/Girls	Front left corner 9'	Barnes & Jones	134	Thermostatic Angle	3/4	5	Fully Operational
40	14667	Drip Leg	Cummings/Basement/Girls	Front left corner 9'	Barnes & Jones	T-41	Float & Thermostatic	3/4	5	Fully Operational
41	14669	Radiator	Cummings/Basement/Mechanical	Back left corner 9'	Barnes & Jones	134	Thermostatic Angle	3/4	5	Fully Operational
42	14670	Drip Leg	Cummings/Basement/Mechanical	Left of generator 9'	Hoffman	FT-55	Float & Thermostatic	1	5	Fully Operational
43	14671	Drip Leg	Cummings/Basement/Mechanical	Left wall 7'	Hoffman	FT-55	Float & Thermostatic	1	5	Leaking
44	14672	Drip Leg	Cummings/Basement/Mechanical	Left side C.R. 1'	Barnes & Jones	T-44	Float & Thermostatic	1 1/2	5	Leaking
45	14673	Drip Leg	Cummings/Basement/Custodian	Back left corner 7'	Barnes & Jones	T-41	Float & Thermostatic	3/4	5	Fully Operational