

Simulation Results

Month	Standard Unit Ventilator			Aristotle Air Unit Ventilator			Monthly Savings	
	Natural Gas Therms	\$/Therm	Total Cost by Month	Natural Gas Therms	\$/Therm	Total Cost by Month		
January	91	\$1.12	\$101.92	53	\$1.12	\$59.36	\$42.56	
February	79	\$1.12	\$88.48	45	\$1.12	\$50.40	\$38.08	
March	61	\$1.12	\$68.32	33	\$1.12	\$36.96	\$31.36	
April	27	\$1.12	\$30.24	10	\$1.12	\$11.20	\$19.04	
May	16	\$1.12	\$17.92	2	\$1.12	\$2.24	\$15.68	
June	0	\$1.12	\$0.00	0	\$1.12	\$0.00	\$0.00	
July	0	\$1.12	\$0.00	0	\$1.12	\$0.00	\$0.00	
August	0	\$1.12	\$0.00	0	\$1.12	\$0.00	\$0.00	
September	12	\$1.12	\$13.44	2	\$1.12	\$2.24	\$11.20	
October	28	\$1.12	\$31.36	11	\$1.12	\$12.32	\$19.04	
November	50	\$1.12	\$56.00	28	\$1.12	\$31.36	\$24.64	
December	87	\$1.12	\$97.44	50	\$1.12	\$56.00	\$41.44	
Annual Total	451	\$1.12	\$505.12	234	\$1.12	\$262.08	\$243.04	
							% Savings:	48.12%

Gas Savings per CFM of Outside Air in the Traverse City, MI Area is .677 CCF

Simulation Specifics

- Simulations Performed By Michael Bobrowski Of Air-n-Energy
- Consulting Using Carrier's E20-II Software
- Weather Data – 30 Year Average For Traverse City, MI
- Thermostat Set Points – Occupied (70°F), Unoccupied (63°F)
- Occupied From 7am-5pm, Monday Thru Friday
- Unoccupied Weekends And June Thru August
- HRV Efficiency 75%, Boiler Efficiency 85%
- Outdoor Air Ventilation Is 322 CFM
- Natural Gas Price Is \$1.12/CCF, Includes Transport & Surcharges