

Projected Savings from FilterTone® Alarm Installation

FilterTone® installation inputs and assumptions:

Annual energy (electricity) use by a central system air conditioner:	2,414 kWh ¹
Annual energy (natural gas) use by central space heating or furnace:	551 therms ¹
Projected increase in efficiency (electricity):	1.75% ²
Projected increase in efficiency (natural gas):	0.92% ²
Product life:	10 years ³
Installation / participation rate of:	22.15% ⁴
Number of participants:	1,202 ⁴

Projected Electricity Savings:

The FilterTone installation projects an annual reduction of:	11,248 kWh ⁵
The FilterTone installation projects a lifetime reduction of:	112,484 kWh ⁶

Projected Natural Gas Savings:

The FilterTone installation projects an annual reduction of:	1,350 therms ⁷
The FilterTone installation projects a lifetime reduction of:	13,498 therms ⁸

¹ U.S. Department of Energy, Energy Information Administration 2005 Residential Energy Consumption Web site for Mountain West States: <http://www.eia.gov/consumption/residential/data/2005/>

² Reichmuth P.E., Howard. (1999). Engineering Review and Savings Estimates for the 'Filtertone' Filter Restriction Alarm.

³ Provided by manufacturer.

⁴ Data reported by program participants.

⁵ Annual energy (electricity) use by a central air conditioner, heat pump or furnace x Projected increase in efficiency (electricity) x Installation rate x Number of participants

⁶ Annual energy (electricity) use by a central air conditioner, heat pump or furnace x Projected increase in efficiency (electricity) x Installation rate x Number of participants x Product life

⁷ Annual energy (natural gas) use by a central air conditioner, heat pump or furnace x Projected increase in efficiency (natural gas) x Installation rate x Number of participants

⁸ Annual energy (natural gas) use by a central air conditioner, heat pump or furnace x Projected increase in efficiency (natural gas) x Installation rate x Number of participants x Product life