

Project Title: Sample Project
 Project ID: 130206
 Project Manger: T.M.

Prepared By: C.P. Sheet: 1 of 1
 Checked By: C.P. Date: 1/1/17

ANNUAL HEATING COST - GAS vs. OIL vs. ELECTRIC

Notes:
 One-Family House, 2,000SF in NYC. Estimate based on typical heating load of 90 million Btu per season.

Annual Heating Load:	90,000,000	Btu
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	Fuel Heat Content (Btu)	Efficiency	Cost per Therm	Annual Cost	Remark	\$ per million Btu
A) Natural Gas Heating	100,000	82%	\$1.20	\$1,317.07	ConEd 2016 Residential Gas Rate	\$14.63

	Fuel Heat Content (Btu)	Efficiency	Cost per Gallon	Annual Cost	Remark	\$ per million Btu
B) Fuel Oil #2 Heating	138,690	78%	\$4.50	\$3,743.82	2016 Oil Delivery rate	\$41.60

	Fuel Heat Content (Btu)	Efficiency	Cost per kWh	Annual Cost	Remark	\$ per million Btu
C) Electric Heating	3,412	98%	\$0.28	\$7,536.43	ConEd 2016 Residential Electric Rate	\$83.74

Annual Savings from Fuel Oil to Natural Gas =	\$2,426.75	(B-A)
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Annual Savings from Electric to Natural Gas =	\$6,219.35	(C-A)
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