Reed’s 6800 sq ft store built in 1993, climate zone 6, Genesee, PA:

**actual heating/cooling cost** with NRG 10” units (all heating, since no air conditioners are needed):

**33 cents sq ft** (28 cu ft/sq ft)

Don Reed’ store has a drop ceiling with a 30” air gap, metal roof, two inches of rigid, foam, rubber, and gravel on top.

eQuest energy model built to LEED 3.0 standards. eQuest Walls are R-54: 10” block exterior, 10” EPS (2.5 density at R-5 per inch) interior.

**eQuest model with R-54 walls projected heating and cooling cost:**

**53 cents per sq ft** (37.25 cu ft/ sq ft).

Heating 234.49 million Btu’s = 228103.11 cu ft of gas divided by 6800= 33.5 cu/sq ft.

Cooling: 7490 kilowatt hours = 25556.9 cubic feet of natural gas = 3.75 cu ft/sq ft.