



How we cut our energy usage bill to less than half. Main usage is for heating with natural gas, and electricity for air conditioning and lighting..

PROGRESS MEASUREMENT

Progress measured by reduction in combined gas and electric costs from \$13,662 in 2001, to \$6,876 in 2018 in spite of rate increases. We have not yet seen the usage reduction from item 18 below, but that should save about \$800 annually in electric charges.

WHAT WE DID BY YEAR

- 1) 2000 Replaced single pane windows with double glazed at a cost of \$29,701 with \$17,500 in grants from Justus and Smedley trusts and a redevelopment authority loan of \$12,201
- 2) 2002 Replaced all first floor incandescent lights with compact fluorescents at a cost of \$324 which was donated by our volunteers.
- 3) 2004 Zoned the third floor so its temperature can be controlled independently of the rest of the building at a cost of \$3,971 which came from our operating budget.
- 4) Closed off several holes in the third floor ceiling opening into the vented crawl space under the roof using many hours of volunteer labor.
- 5) 2005 Divided the second floor into three zones to allow the office, work area, and public area temperatures to be controlled individually at a cost of \$350 for controls, and with a \$3,000 grant of labor and material from Home Depot, and 280 hours of volunteer labor to erect and finish the necessary new wall.
- 6) 2006 Installed programmable thermostat at a cost of \$797 from our current expense budget

7) 2006 Revised return air duct from first floor to improve heating and A/C efficiency at a cost of \$2,400 with a grant from the Phillips Trust.

8) 2007 Install return air duct from basement where none existed with 80 hours of volunteer help and a \$2,000 grant from the Phillips Trust.

9) 2007 Bricked up 5 covered but unsealed first floor windows to stop air leaks at a cost of \$6,450 with a \$4,000 grant from the Rees Trust, and \$2,450 from our operating budget.

10) 2008 Removed rooftop elevator equipment house and alley elevator door to stop air leaks as part of the \$200,000 new elevator. Elevator equipment room is now in basement. Hydraulic elevator has soft start removing electric surcharge. Alley elevator entrance bricked up. Old boiler chimney removed.

11) 2009 Reduced basement and window lighting by 3,520 watts by rebuilding relocating, and removing unnecessary fixtures with \$200 from our budget and 750 volunteer hours.

12) 2009 Replace the last 3 single pane third floor windows with double glazed ones at a cost of \$1,285 from current expense budget with help from Galaxy Federal credit union,

13) 2011 Insulated the third floor ceiling to stop heat transfer through single thickness tin at a cost of \$6,900 with \$5,000 grant from Elizabeth Black Trust and \$1,900 from our budget.

14) 2011 Replaced all fluorescent ballasts and bulbs with newer, more efficient models with a government energy usage grant of \$1,270 for material, and 735 hours of volunteer labor.

15) 2013 Reshimmed all 22 poorly installed windows.(see item#1). Removed the inside finish and insulated the weight boxes used with the old windows to stop air entry around and through

them. These had been left open when the replacements were installed. Negligible money, but about 600 volunteer labor hours used for this job.

16) 2015 Painted roof white which reduces heat adjacent to the main A/C unit, thus increasing its efficiency. It also reduces third floor need for air conditioning by reducing temp in crawl space over ceiling.. Done with a \$12,800 grant from Eileen J. Luce Trust.

17) 2017 With 450 hours of volunteer labor Completed vapor barrier installation in the basement. The original peg board walls were installed over the stone foundation without a vapor barrier, which allowed heat loss and moisture entry. We removed the pegboard, added a vapor barrier, and reinstalled the pegboard. This reduced the number of dehumidifiers needed, reducing electricity costs about \$20 per month

18) 2019 Replaced all fluorescent lighting with LED tubes and bulbs that are direct wired with no ballast.. Done with \$1500 grant from Elizabeth Black Trust and 450 hours of volunteer labor.

19) Numerous smaller changes such as motion sensors in the rest rooms and elevator so that the lights turn off when it is unoccupied, and closing many small air entry points.

Note: Our reductions in heating gas usage was enough to place us in a lower usage class which increased the charge for delivery thus offsetting some of the savings

Spending to date is \$55,620 in grants from 11 different sources, \$23,478 from our current

expense budget, and 3,376 hours of sweat equity from our volunteers. At \$50 per hour that is \$168,800 of donated labor.

Financial Situation News:

We will end the year with our operating budget well above a break even point. All the retained earnings will be put into the Trust.

The financial pleasant surprise this year was a \$10,000 unrestricted grant

Serving our Community

Our attendance for 2019 is about at the three year average of 3800

The Mini-Event program of free one hour presentations continued, with attendance holding steady at about 490.

Our free student tours program continued in 2019 with 273 students.

In Feb. of 2019 we hosted our third annual Snowflake Ball with 74 dancing to the live band

In cooperation with The Oil City Museum, and the Franklin Historical society we held the second annual Free Museum Day. 68 adults and 24 children took advantage of the free tour.

We participated in the Smithsonian free admission day with 24 attending, and the Blue Star armed services program.

Progress on Updating the Building

We obtained a grant which allowed the installation of carpeting on the raised portion of the floor in the ballroom. This improves both acoustics and appearance.

Our Opportunities

We still need some small (5'6") manikins on which to display band uniforms.

Please consider filling in the appropriate blanks, and returning your tax deductible donation in the enclosed envelope.. You may use Visa or MasterCard if you prefer.

Yes, I'd like to help out with the building renovation and instrument restorations.

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