



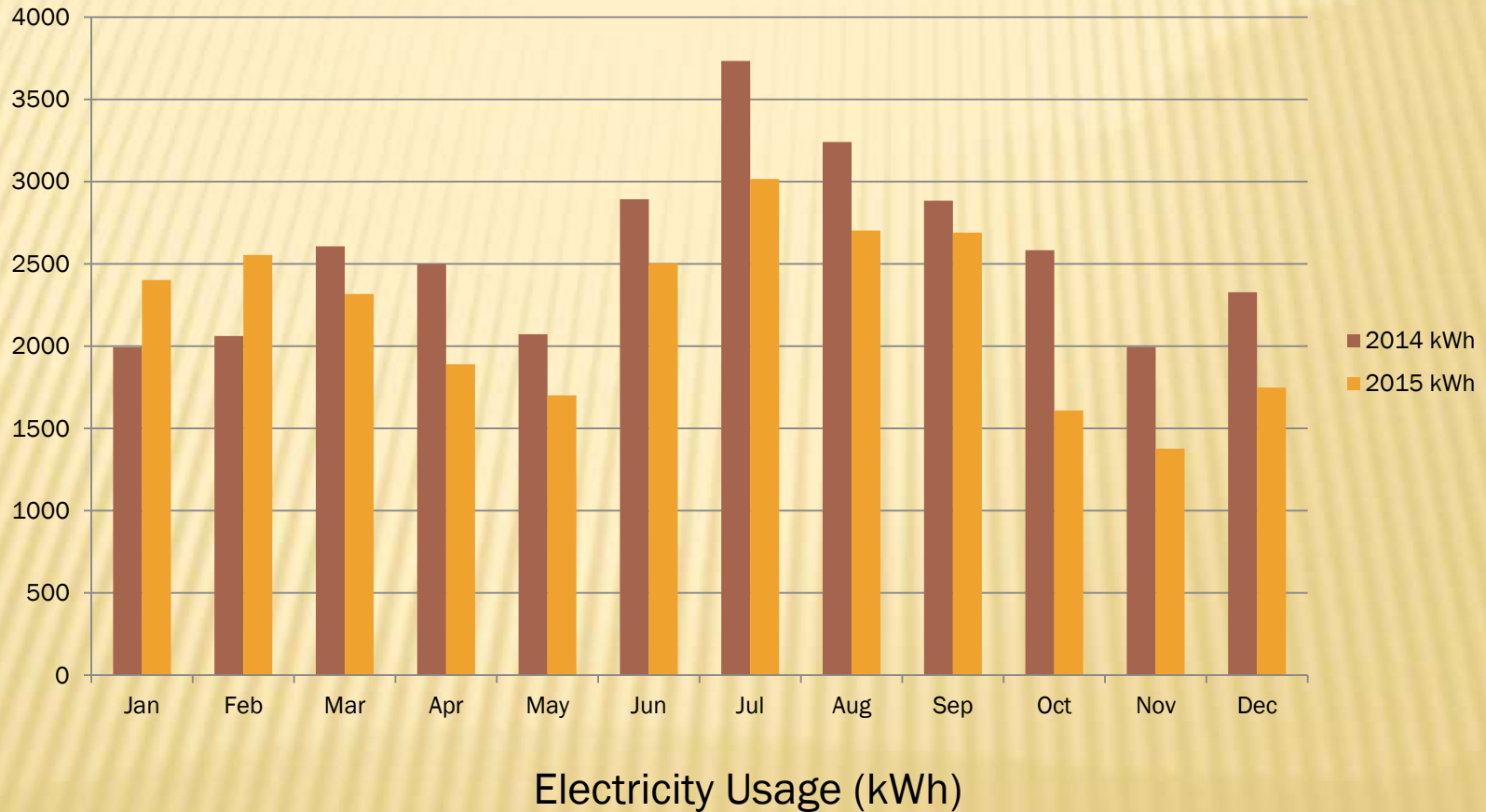
Buildings & Grounds Initiatives
at St. Francis'
2015 Review & 2016 Preview

2015: ENERGY EFFICIENCY

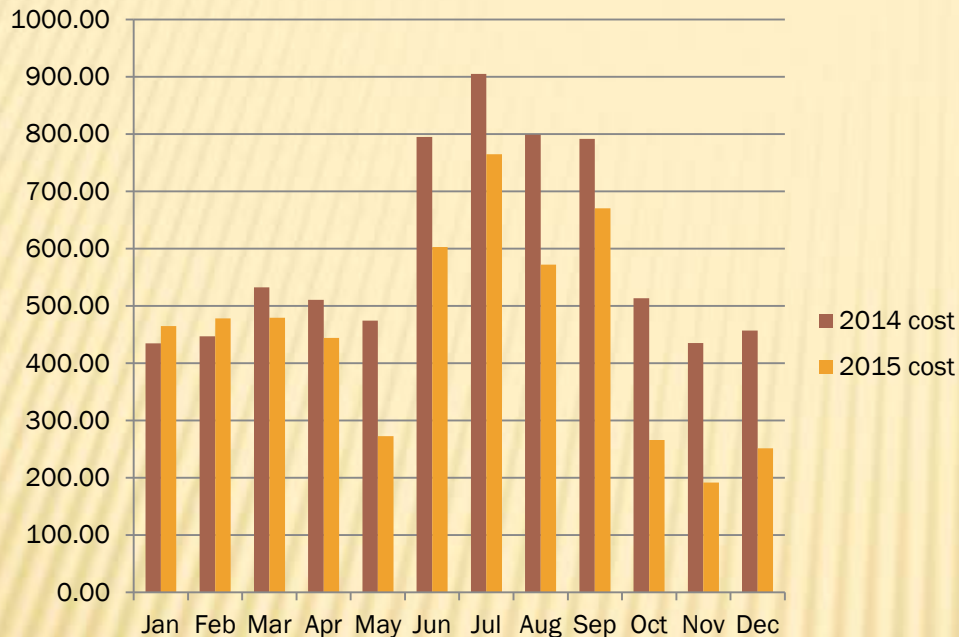
- ✘ Partnered with GreenFaith
- ✘ Replaced boiler in Milbank
- ✘ Replaced furnace in undercroft
- ✘ Replaced almost every light bulb
 - + Incandescent or CFL → LED
 - + T12 Fluorescent → T8 Fluorescent
- ✘ Rebates brought project cost of \$45,000 down to \$13,600

2015: ENERGY EFFICIENCY

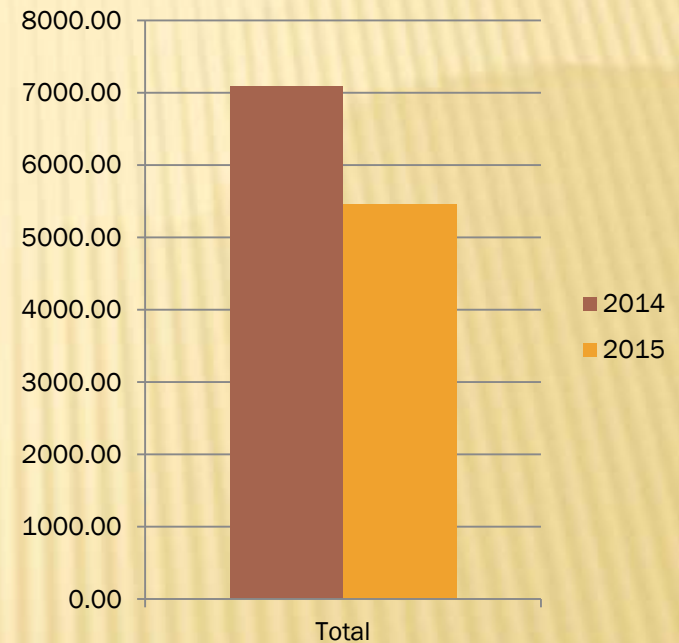
Bulbs replaced last week of March 2015
First effects seen in April bill



2015: ENERGY EFFICIENCY



Electricity cost per month



Electricity cost per year

- Upgrades done in March, effect seen in April
- Supply rate is 10.99 cents/kWh in May
- Supply rate is 12.65 cents/kWh in June and beyond
- 2016 total will be even lower!

2015 vs. 2014...

- Electric down \$1600
- Gas down \$900



2016: LOOKING UP!

- ✘ The ~~problems~~ opportunities above us:
 - + Roof
 - ✘ 25 years old, approaching end of life
 - + Milbank ceiling
 - ✘ Water damage, peeling paint
 - + Ceiling fans
 - ✘ Only spin in one direction
 - ✘ Some don't spin, period

2016: LOOKING UP!

- ✘ Why replace the roof?

- + 25+ years old

- + Protect existing investments

- ✘ Sanctuary ceiling repaired early 2015

- + Invest in our future

- ✘ A new roof opens the door for solar energy

- ✘ Reduce electricity costs more than we already have



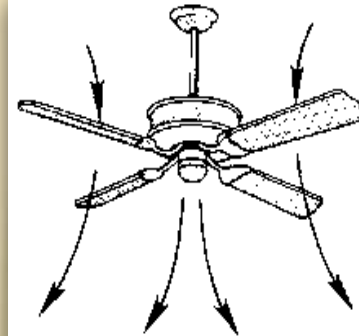
2016: LOOKING UP!

- ✘ Why fix the Milbank ceiling?
 - + Damaged smoke detector
 - + We want an inviting space
 - ✘ Church events
 - ✘ AA
 - ✘ Girl Scouts
 - ✘ Blood Drive



2016: LOOKING UP!

- ✘ Why replace the ceiling fans?
 - + Currently one way
 - + Two way fans provide extra comfort without running the AC or furnace as much
 - + Lower energy costs



Forward

For cooling effect during the summer your fan should run in the forward direction (counter-clockwise). This will force the room air down on you giving you the wind chill effect that makes you feel cooler.

Reverse

During the winter your fan should run in reverse (clockwise) at a low speed. This will gently draw the room air up towards the ceiling and force the warm air down and out towards the walls avoiding giving you the wind chill effect.

