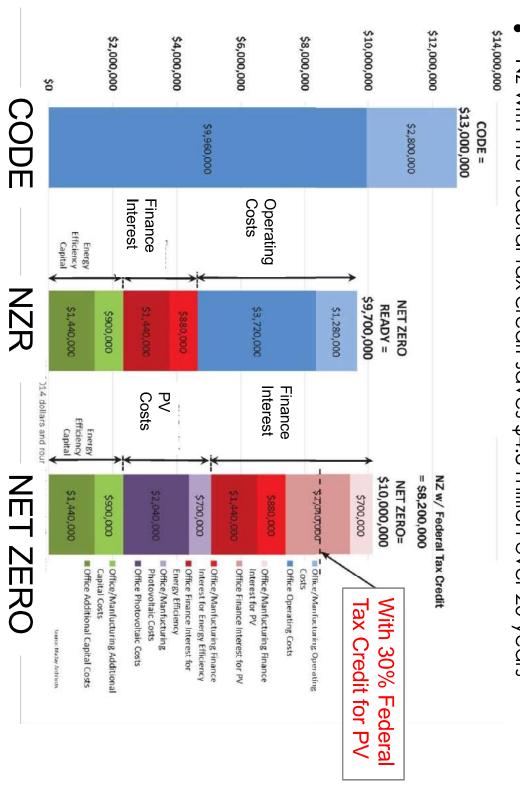


Commercial 20-Year Costs

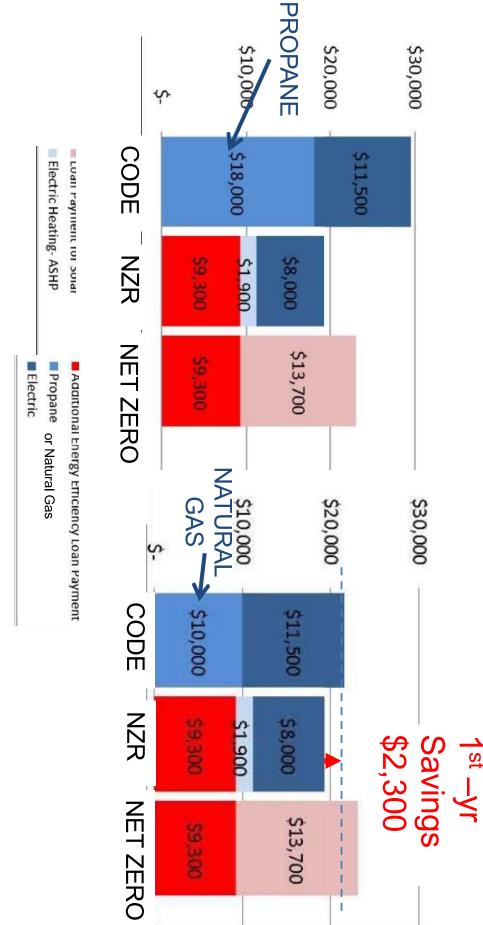
NZ with the federal tax credit saves \$4.8 million over 20 years





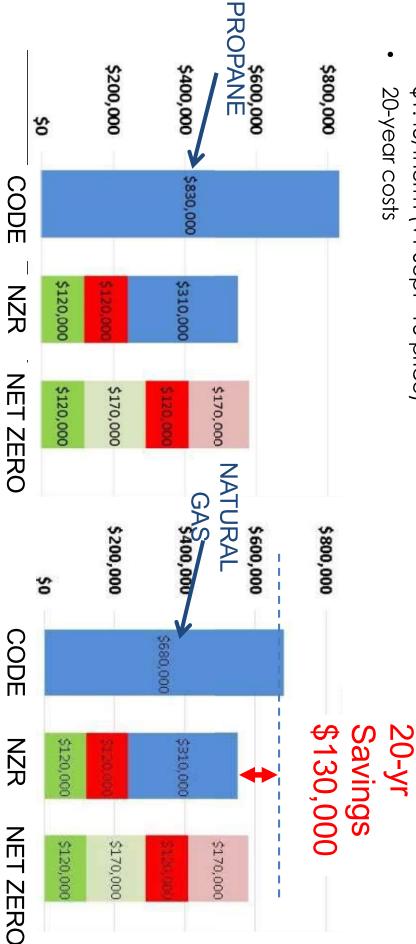
Open Office with Natural Gas

- \$1.43/therm (VT Sept '15 price)
- 1st-year costs



Open Office with Natural Gas

\$1.43/therm (VT Sept '15 price)

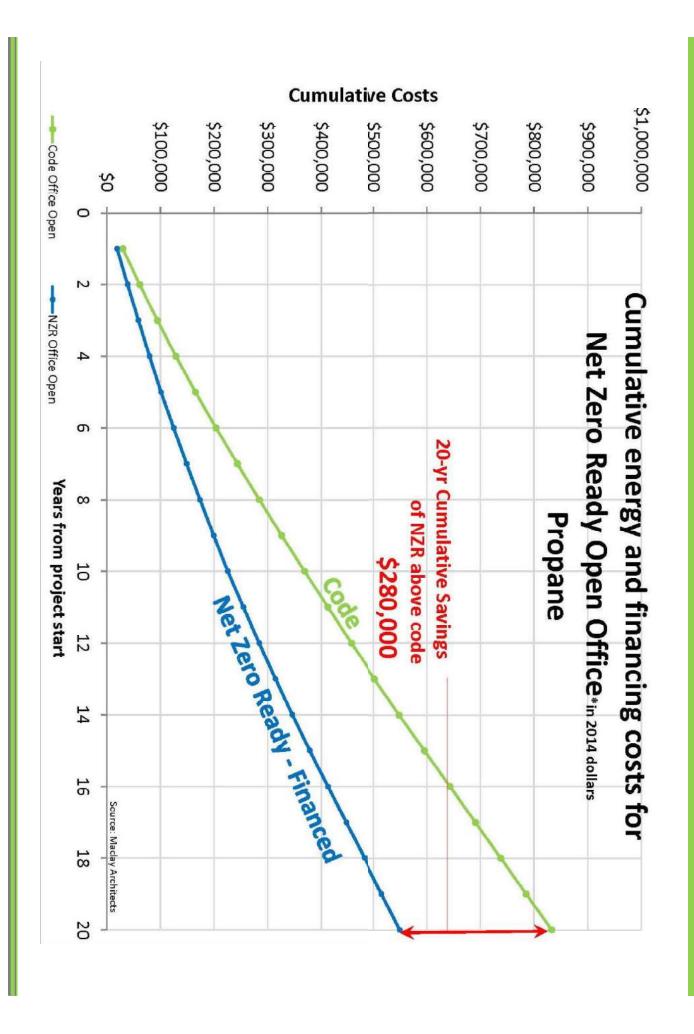


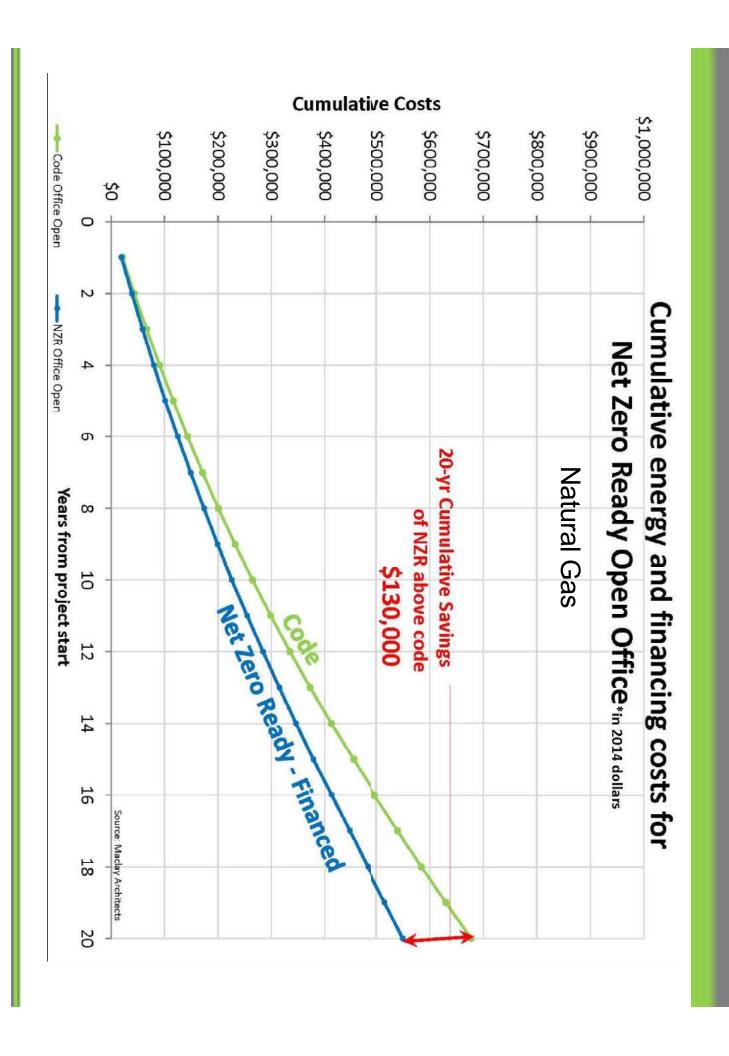
Finance Interest for Energy Efficiency

Finance Interest for PV

Additional Energy Efficiency Capital Costs Photovoltaic Capital Costs

Operating Costs





Overall Lessons

- Reduces operating cost volatility and provides stability
- Building Type affects costs and ROI
- Financing options impact ROI
- Rebates and incentives make a difference
- Future of Federal Renewable Tax Credits and rebates unknown
- Appraisals typically do not value NZR construction and renewables
- Fuel volatility and current low cost of fossil fuels
- Interest rates likely to rise

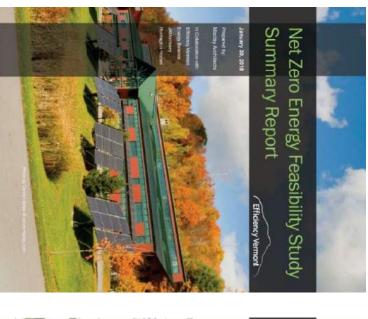
Lessons Learned - Residential

- Residential owner occupied buildings are an excellent investment (low 30-yr mortgage rates)
- Cost for ASHP are low and established in the marketplace
- Additional NZR construction is \$13-16 / sf (~10%)

Lessons Learned – Commercial

- NZR offices are a very good investment
- NZR office/manufacturing are cash flow neutral
- Open offices are cheaper to own and operate than closed offices
- In Buildings with AC, there is no additional cost for **ASHPs**
- Longer term fixed commercial loans with SBA and VEDA improve NZR financial performance
- Additional NZR construction is \$9-\$17 / sf (~10%)

Read / Share the Study





https://www.efficiencyvermont.com/news-blog/whitepapers/net-zero-energy-To access the Summary Report and the Full Report visit: feasibility-study