

ST LUKE'S



St. Luke's Episcopal Church

435 Peachtree St. NE
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www.stlukesatlanta.org



Sustainability Program Highlights

- Team-based approach to sustainability
- Building automation control of HVAC systems
- High-performance lighting & controls, including pilot installations of LED
- Right-sizing rooms for meetings & events
- Low-flow plumbing fixtures & aerators
- Recycling, composting, & reducing use of non-recyclable materials
- Periodic updates to initial energy audit to identify new savings opportunities
- Community garden providing healthy local food for the Crossroads Kitchen serving the homeless
- Plans for the future include conversion of additional lighting to LED, upgrades to building automation software, & promotion of transportation alternatives

Results

Energy

- Reduced natural gas use by 46%
- Reduced electricity use by 38%
- Total annual energy savings over our 2006 baseline exceed 40%

Water

- Reduced water use by 42%

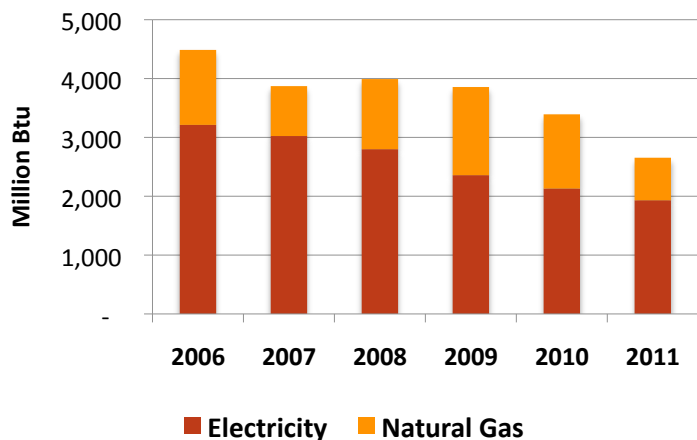
Climate

- Reduced greenhouse gas emissions from energy by 44%

Costs

- Total annual avoided costs of energy and water saved are \$64,562

St. Luke's Annual Energy Consumption



Avoided Energy & Water Costs

Period	Natural Gas, therms	Electricity, kWh	Water, CCF
Base Year (2006)	12,740	941,280	1,725
Recent 12 mos.	6,820	588,000	788
Savings	5,919	353,280	575
Avoided Annual Costs	\$8,988	\$43,953	\$11,621
Total Avoided Annual Costs			\$64,562

Capital Projects Implemented

Date	Major Projects	Installed Costs
2006	Replacement of obsolete HVAC systems	\$26,900
2007	Installation of solid-state dimming system for nave lighting	\$41,507
2008	Installation of building automation system for HVAC control	\$81,450
2006-12	Water conservation (aerators and repairs)	\$300
2007-12	Installation of high-performance lighting & lighting controls	\$7,471
Total Installed Costs		\$157,328
Annual Avoided Energy & Water Costs (2012)		\$64,562
Combined Simple Payback Period on Investments, Years		2.4

About St. Luke's Episcopal Church

Under the leadership of Charles Quintard, an Atlanta physician and priest, St. Luke's parish was established on Easter Monday, 1864. Now, 140 years later, St. Luke's is a thriving crossroads parish of over 2,200 diverse communicants located on Peachtree Street in downtown Atlanta. The first liturgy celebrated in the current modified, late-English Gothic building was at its consecration in 1906. The parish is deeply committed to outreach. Crossroads Community Ministries was born in the St. Luke's kitchen and today includes its own kitchen and dining room, a health clinic and a mail room, and offers counseling services for the homeless. St. Luke's long-established Training & Counseling Center (TACC) is known for its numerous educational and clinical programs for adults, children and youth. For more information, visit www.stlukesatlanta.org.

For more information on St. Luke's sustainability programs, contact: Barry Bynum at barry@barrybynum.com or Sue Sherrill at sesherrill@bellsouth.net. Updated 6-20-12.

