Environmental Stewardship: Connecting Catholic Social Teaching, Triple Bottom Line and Triple Aim

Aug. 19, 2014
1 – 2 p.m. ET

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Reflection for Today’s Program

“To protect creation, to protect every man and every woman, to look upon them with tenderness and love, is to open up a horizon of hope; it is to let a shaft of light break through the heavy clouds; it is to bring the warmth of hope! For believers, for us Christians, like Abraham, like Saint Joseph, the hope that we bring is set against the horizon of God, which has opened up before us in Christ. It is hope built on the rock which is God.”

Pope Francis
Homily at the Mass, Imposition of the Pallium and Bestowal of the Fisherman’s Ring for the beginning of the Petrine Ministry of the Bishop of Rome

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Your Speaker for Today’s Program

Lois Sechrist, LEED AP ID+C
Senior Analyst
Facilities Resource Group
Ascension Health
St. Louis

Lois Sechrist, LEED AP ID+C, is responsible for the Ascension Health Environmental Stewardship Program, including sharing of best practices throughout the system’s health ministries. Ms. Sechrist has a background in interior architecture and project management. She has taught the LEED Green Associate exam preparation course for the USGBC – Missouri Gateway Chapter for several years and is chair of the University City, Mo., Green Practices Commission.

Your Speaker for Today’s Program

Eric Buzzell
Vice President, General Services & Property Management
Borgess Medical Center
Kalamazoo, Mich.

Eric Buzzell is vice president of general services and property management for Borgess Medical Center, Kalamazoo, Mich. He holds operational leadership for all environment of care departments and programs within a 364-bed medical center; property management of an integrated health system of three hospitals, one nursing home, 16 ambulatory care clinics/health and fitness locations and operation of a health care laundry/linen distribution company serving over 40 clients across southern, lower Michigan.
Environmental Stewardship: Connecting Catholic Social Teaching, Triple Bottom Line and Triple Aim

Objectives

- Connect Catholic Social Teaching, the Triple Bottom Line and the Triple Aim through an environmental stewardship program
- Review multiple project types using this lens
  - Patient Care (People)
  - Population Health (Planet)
  - Per Capita Cost (Profit)
- Learn to use cost avoidance metrics from specific initiatives to direct funds to the core Mission of providing healthcare services
Triple Bottom Line
Triple Aim

- People
  Social Impact
- Planet
  Environmental Benefit
- Profit
  Financial Performance

SYNERGY

- Care
  Improving the Experience of Care
- Health
  Improving the Health of Populations
- Cost
  Reducing Per Capita Costs of Healthcare

SYNERGY
Our System

Ascension Health is the largest Catholic health system, the largest private nonprofit system and the third largest system (based on revenues) in the United States, operating in 23 states and the District of Columbia.

Environmental Stewardship and the Ascension Health Mission

Rooted in the loving ministry of Jesus as healer, we commit ourselves to serving all persons with special attention to those who are poor and vulnerable.

Our Catholic health ministry is dedicated to spiritually centered, holistic care, which sustains and improves the health of individuals and communities.

We are advocates for a compassionate and just society through our actions and our words.
The Environmental Stewardship Program challenges us to act as stewards of God’s creation and operate at our full potential by identifying and implementing practical solutions to minimize the organization’s impact on the natural environment and the communities we serve.

Daughters of Charity
Bottled Water + Social Justice
Environmental Stewardship Program Categories

- Leadership and Infrastructure
- Education and Communication
- Energy Efficiency
- Water Conservation
- Waste Management and Reduction
- Environmentally Preferred Purchasing
- Sustainable Site and Transportation
- Chemical Management
- Food Systems

Saint Thomas Health
Nashville, TN
Energy Efficiency Program

Saint Thomas Hospital

ASCENSION HEALTH Showcase Project: Saint Thomas Hospital
LOCATION: Nashville, TN
PROJECT SIZE: 1.1 Million Square Feet

Annual Energy Use: $4,300,000
Annual Energy Cost: $4,500,000

Energy Savings: 17%
Cost Savings: $182,000
Sustainable Site and Transportation Design, Construction and Engineering Standards

Sacred Heart Hospital on the Gulf Retro commissioning success

Energy Efficiency Program – Cost Avoidance and Environmental Performance Metrics

1. Set baseline for energy use and cost
   • Energy Star Portfolio Manager
2. Track performance over time
   • Monthly/Quarterly/Yearly
3. Use consistent metrics year over year
   • Weather Normalized Site Energy Use Intensity (EUI) per square foot
   • Blended average energy cost per k/Btu
4. Track environmental performance
   • Healthcare Energy Impact Calculator
   • http://www.eichealth.org/
5. Share reporting widely
   • Set up a web page, wiki or dashboard
Borgess Medical Center
Kalamazoo, MI
Laundry Facility

Borgess Medical Center
Kalamazoo, MI
Waste Management

Waste Per Calendar Year (tons)

- Solid Waste
- Recycling
- Regulated Medical Waste

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Borgess Medical Center
Kalamazoo, MI
Waste Management

FY14 Waste Per Quarter (tons)

- Solid Waste
- Recycling

FY14 Percentages by Quarter

- Recycling Percentage
- Medical Waste Percentage

Borgess Medical Center
Kalamazoo, MI
Waste Management

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Medical Waste Management – Cost Avoidance and Environmental Performance Metrics

1. Set baseline for waste volume and cost
   - Five categories of waste; additional sub-categories in Recycling as appropriate
2. Track performance over time
   - Monthly/Quarterly/Yearly
3. Use consistent metrics year over year
   - Waste cost per ton for each category of waste
4. Track environmental performance
   - Landfill diversion in tons
   - CO2 avoidance
   - Gallons of oil/water saved, trees saved, etc.
5. Share reporting widely
   - Set up a web page, wiki or dashboard
Leadership in Energy and Environmental Design (LEED) Certifications

- Dell Children’s Medical Center of Central Texas – Austin, TX
- St. Vincent Fisher’s Hospital – Fishers, IN
- Main Street Neenah Clinic – Ministry Health Care, Neenah WI

Borgess Health Park
Battle Creek, MI
Our Lady of Lourdes Memorial Hospital
Binghamton, NY
Composting (Waste Management and Reduction)

Environmental Stewardship Program

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Q&A