

GreenTeam



NorthShore Green Team Update

Presented
to
Department Head

Mission Statement

The NorthShore Corporate Green Team (Green Team) provides and facilitates ideas and solutions to promote and sustain a healthier environment for our patients, their families, and our staff, and improve health outcomes for the communities we serve.

This will be achieved by continuously assessing and implementing opportunities to improve our consumption and waste management practices in an environmentally responsible, efficient, and cost effective manner without compromising patient safety or care.

By providing guidance, setting expectations, and sharing outcomes both internally and within our communities, we aspire to have sustainability become a cornerstone of the way we do business.

NorthShore Green Team

Focus Areas

- Conserve Energy and Water
- Reduce, Reuse, Recycle
- Preserve our Environment
- Incorporate sustainable processes and products

Conserve Energy and Water

- Strategic Energy Management Plan (SEMP)
 - Studies performed by Engineering Firms (GBA and Aramark)
 - Multi-disciplinary Committee
 - \$1M projects in FY15 anticipated to save:
 - 3.85M kWh/annually
 - 550,000 Btu/annually

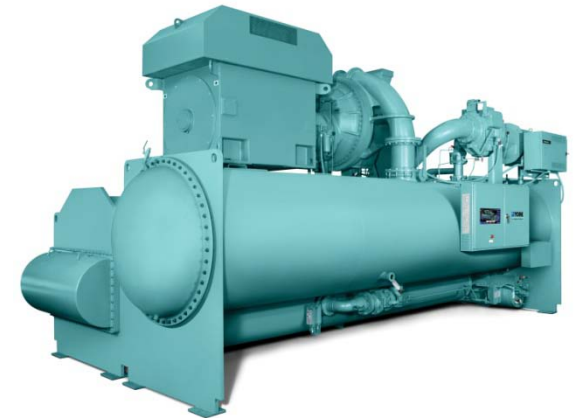


Conserve Energy and Water

- More Efficient Lighting



- Smarter & New Technology



Conserve Energy and Water

- Plant Optimization
 - Cooling tower project
(2 M gallons of water savings)

- Behavior
 - Shutting off lights
 - Powering Down equipment

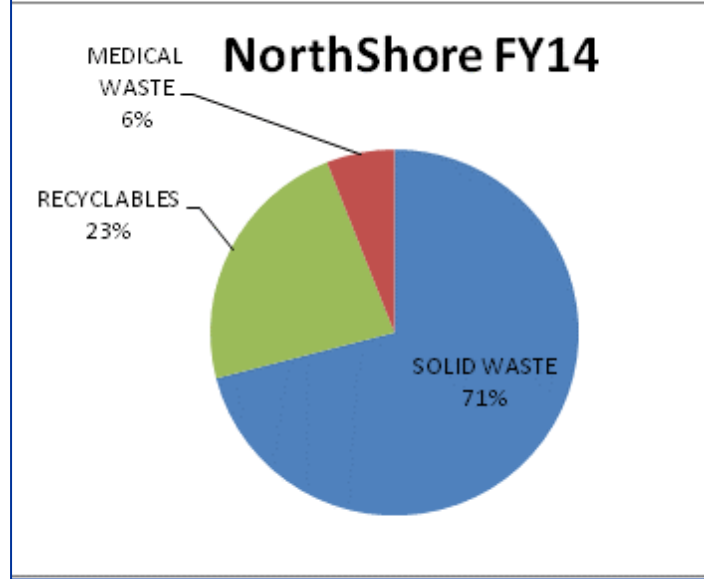


Reduce Reuse Recycle

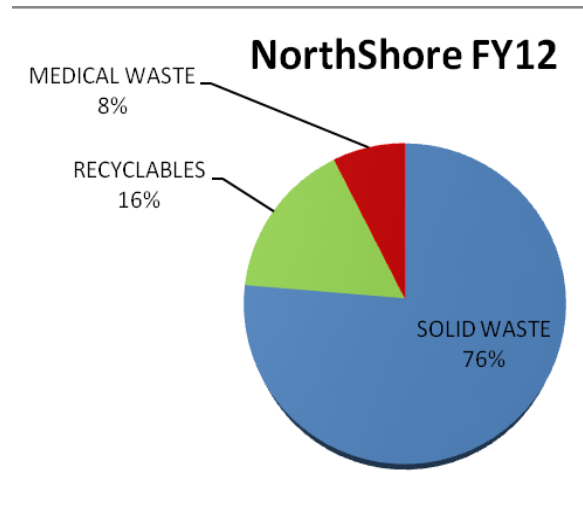
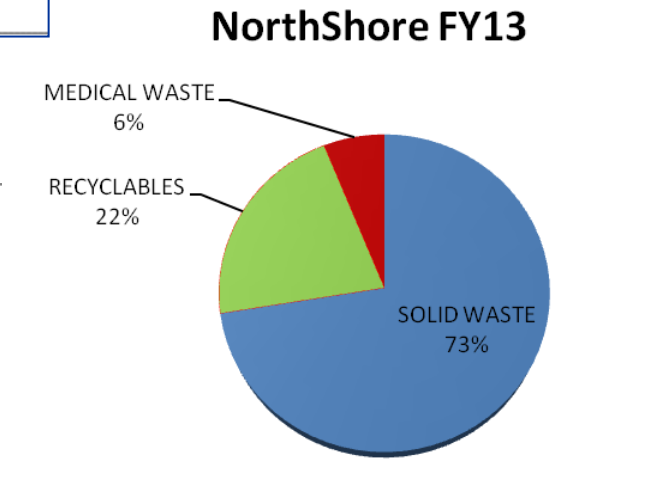
- ▶ **2010:** rechargeable batteries, electronics, lamps, mercury devices, SCD/PulseOx reprocessing
- ▶ **2011:** hospital commingled program, all shred program, ink jet/toner cartridges
- ▶ **2012:** hydraulic oil, motor oil, cooking oil, plastics from ancillary departments, durable goods repurposing
- ▶ **2013:** alkaline batteries, surgical blue wrap, OR plastics, offsite commingled program
- ▶ **2014:** Laboratory solvent recovery, scrap metal, lead aprons/baby bumpers, OR SUD reprocessing (tourniquets, cath lab)
- ▶ **2015:** Durable goods repurposing, composting/food digester



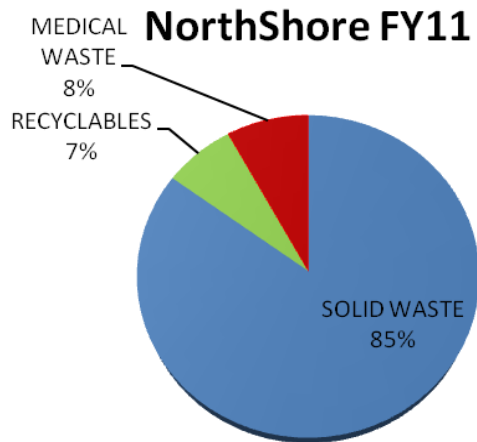
Impact of Recycling Program




FY14
 6.2 million lbs solid waste
 2.0 million lbs recyclables
 515,000 lbs regulated medical waste
 **Achieved 25% recycling for last quarter



FY11 TOTAL
 7.5 million lbs solid waste
 650,000 lbs recyclables
 598,000 lbs regulated medical waste



Waste Segregation is the Key

Waste Segregation		We can keep ourselves and communities safe and reduce toxic waste going into landfills through proper disposal practices.
Blue Bin		<p>Non hazardous pharmaceutical waste.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Unused pills or capsules (no special messaging) • Partial IVs containing medication <p>**NO empty vials/bags/containers</p>
Black Bin		<p>Hazardous pharmaceutical waste.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Bulk Chemotherapy • Any medication coded **Special Disposal Required – BLACK BIN**
Yellow Container		<p>Trace Chemotherapy waste.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Empty (3% or less) chemo bags, vials, ampoules, sharps • Trace contaminated PPE
Red Bag		<p>Regulated medical waste includes items grossly contaminated with blood or body fluid.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Bulk human blood and blood products • Gauze saturated in blood <p>**DOES NOT include urine or feces unless bloody</p>
Sharps Container		<p>Sharps are also a regulated medical waste.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Needles/syringe barrels • Scalpels/Scissors
Regular Trash/ Black Bag		<p>Solid or "household" waste.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Food/Drink waste • Empty medication container/IV bag/tubing • Used PPE not grossly contaminated with blood
Recycle Bin/ Clear Bag		<p>Recyclable items.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Newspaper • Non-confidential Paper • NO LIQUIDS!! • Hard plastic • Soda cans/glass • Cardboard
Iron Mountain Shred Bin		<p>Confidential shredding</p> <p>Examples:</p> <ul style="list-style-type: none"> • Office paper/labels with patient information <p>NOTE: Call Medical Records for emergency bin access</p>
Battery Bucket		<p>Recycling of alkaline batteries (AAA, AA, C, D 9-V)</p> <p>Examples:</p> <ul style="list-style-type: none"> • Pager batteries <p>**NOT for Vocera or any lithium battery.</p>

Preserve Our Environment

- Reduce Environmental Footprint
 - 21 percent of NorthShore's energy portfolio comes from renewable sources, (approx 16 million kWh.)
 - Reduction in greenhouse gas emissions equivalent 1,300 homes.



- Keep Pharmaceuticals out of land/water/food chain
 - In 2014, diverted 5,000 lbs/month (up from 3,500 lbs/month in 2013)



Incorporate sustainable processes and products

- Partnered with vendors to reduced packaging (value link- just-in-time)
- Worked with suppliers to remove DEHP from patient care products (IV sets, TPN delivery products, tubing)
- 25% of cleaning product spend on green cleaning chemicals in 2014.
- Implementing mercury elimination policy

Internal/Community Engagement

- Green Team PULSE page
- Community Benefits Report
- Pharmaceutical Waste Community Takeback Event
- Greening the OR Symposium at CBG
-

Commitment to Sustainability

Protecting the Environment

In 2013, NorthShore Skokie Hospital received a rebate payment from ComEd and Nicor Gas that recognized energy efficiencies in the construction of the hospital's new Ambulatory Care Center. Partnering with ComEd and Nicor Gas, the Center was built using energy-efficient lighting, heat recovery and reuse, and roofing insulation. These design features will realize long-term energy and cost savings.

The energy efficiencies designed as part of new construction projects across NorthShore demonstrate the health system's long-term commitment to promoting sustainability. Our overarching organizational focus areas related to sustainability are to: conserve energy and water; reduce, reuse, recycle; preserve our environment; incorporate sustainable and environmentally friendly processes and products; and capitalize on efficiencies/cost savings related to sustainability initiatives and projects.

The NorthShore Green Team was formed to facilitate ideas and solutions to promote and sustain a healthier environment for our patients, their families and our staff. We continue to achieve these objectives by assessing and implementing opportunities to improve NorthShore's sustainability practices in an environmentally responsible, efficient and cost-effective manner while maintaining NorthShore's commitment to quality, safety and loyalty.



Some of NorthShore's licensed pharmacists participated in a pharmaceutical take-back event with the city of Evanston to promote safe and environmentally responsible disposal of unused and expired medications.



NorthShore 2013 Sustainability Accomplishments

The following statistics from 2013 reflect NorthShore's commitment to helping conserve natural resources and keep pollutants out of landfills and waterways:

- 2 percent reduction (185,203 pounds) in medical waste volume
- 42,220 pounds of batteries and electronic waste recycled
- 22 percent of NorthShore's total waste stream (1.75 million pounds of paper, glass, plastic, cans, cardboard and surgical blue wrap) recycled as part of our commingled recycling program
- 41,450 pounds of pharmaceutical waste collected from our operating rooms and patient care departments as part of NorthShore's comprehensive pharmaceutical waste management program. (This specialty hazardous waste stream is destroyed in an environmentally responsible manner to help keep pharmaceuticals out of waterways and drinking water.)
- 30 million gallons of water conserved as compared to 2012 from equipment retrofits and the addition of water-saving technologies

NorthShore Receives Excellence Award for Sustainability

The national healthcare network VHA, Inc. honored NorthShore and its Green Team with a Best in Class Excellence Award for Sustainability. The award recognizes NorthShore for its work in creating a comprehensive sustainability program that reduces waste and demonstrates environmental stewardship in the local community. Only six hospitals or healthcare systems nationwide received this recognition. The award was based on NorthShore's overall sustainability strategy, its sustainability program design, and ongoing measurement and reporting.

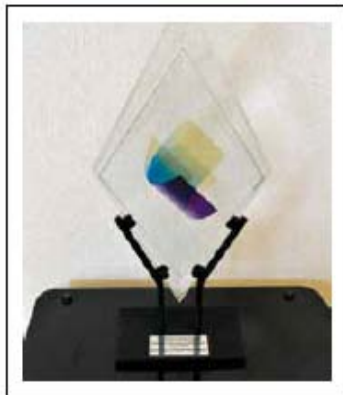


External Recognition



2014 Practice GreenHealth Awards

- System for Change
- Emerald Award (SKH)
- Partner for Change awards (EVH, GBH, HPH)



2014 VHA Award

- Leadership Award for Sustainability Excellence Innovation and Impact

News



Work Continues for a Healthier Environment
Join the Green Team in celebrating Earth Day, April 22.

archives

Ask the CEO



NorthShore President and CEO Mark Neaman answers employee questions about the merger between NorthShore University HealthSystem

- Community Relations
- Corporate Communications
- Corporate Compliance
- Corporate Loyalty
- Corporate Plans
- Emergency Preparedness
- Finance and Accounting
- Foundation
- Green Team
- Health Information Technology
- Hospital Revenue Cycle
- Insurance Reference Tools
- Libraries
- Merger News
- Multimedia Services
- Public Safety
- Purchasing/Supply Chain
- Regulatory Compliance
- Research Institute
- Risk Management
- Telecommunications

Book Search

Search by Name or Dept...

Name Search

Dept Search

Advanced Search

AMCOM SmartWeb

Pages



EmployeeConnect



E-Newsletter



Training



Invoice/Expense



Mobile Paging



Cafe Menus

Pulse Poll

In 2014, how much waste was diverted from landfill through NorthShore's "blue recycling container," "confidential paper shred," and "electronic equipment and battery" recycling programs at the four hospitals?

- 500,000 pounds
- 780,000 pounds
- 1 million pounds
- 1.5 million pounds
- 2 million pounds

Vote

MERGER NEWS



Green Team

[Green Team Charter](#)

[FY Goals 2015](#)

[NorthShore Sustainability Achievements](#)

[Preserving our Lakes, Rivers and Streams](#)

[Reduce, Reuse, Recycle](#)

[Using Fewer Fossil Fuels](#)

[FAQ](#)



Reduce, Reuse, Recycle



Using Fewer Fossil Fuels



Preserving our Lakes, Rivers and Streams



External Recognitions

[Green Team Charter](#)
[Frequently Asked Questions](#)
[What can I do to Help?](#)
[Comments/Suggestions](#)

FY15 ORGANIZATIONAL GOALS

- 1) Increase recycling waste stream to 28% of total waste stream by the end of the 4th quarter
- 2) Increase single use reprocessing by 10% over FY 2014 baseline by the end of the 4th quarter.
- 3) Reduce hazardous waste solvent stream by 15% as compared to FY 2014 totals through solvent distillation.
- 4) Reduce FY 2015 water use by 2 million gallons from FY 2014 baseline.
- 5) Benchmark offsite location energy use through ComEd portfolio manager to establish baseline metrics to support future energy reduction efforts.
- 6) Implement top-tier (year 1) projects identified in 5 year SEMP (strategic energy management plan).
- 7) Support at least two (2) community based environmental impact efforts in FY15.
- 8) Evaluate incorporation of increased healthy food options in cafeteria/café & calorie/fat/sodium counts



What's Good
for the Planet

Is Good
for the Patient.

QUESTIONS?