



THE JOURNEY TO BEING LANDFILL-FREE



ENHANCING LIFE FOR GLOBAL CONSUMERS WITH  
INNOVATIVE **FABRIC-BASED, MARKET-DRIVEN,**  
**ENVIRONMENTALLY CONSCIOUS** SOLUTIONS.



AUTOMOTIVE



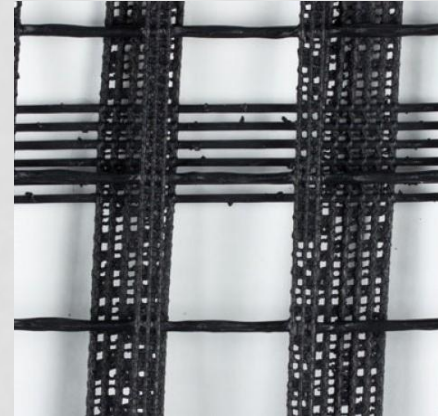
FLAGS &  
BANNERS



FURNITURE



INDUSTRIAL



MARINE



PROTECTION



Maintain and,  
if possible,  
enhance  
**Quality of Life**

Enhance local  
**Economic  
Vitality**

Be a **Steward of Resources**  
so future generations  
can enjoy the benefits

Maintain and, if  
possible, enhance  
the **Quality of the  
Environment**

**Foster Sustainability**  
as a way of life  
throughout the  
organization



  
sunbrella®

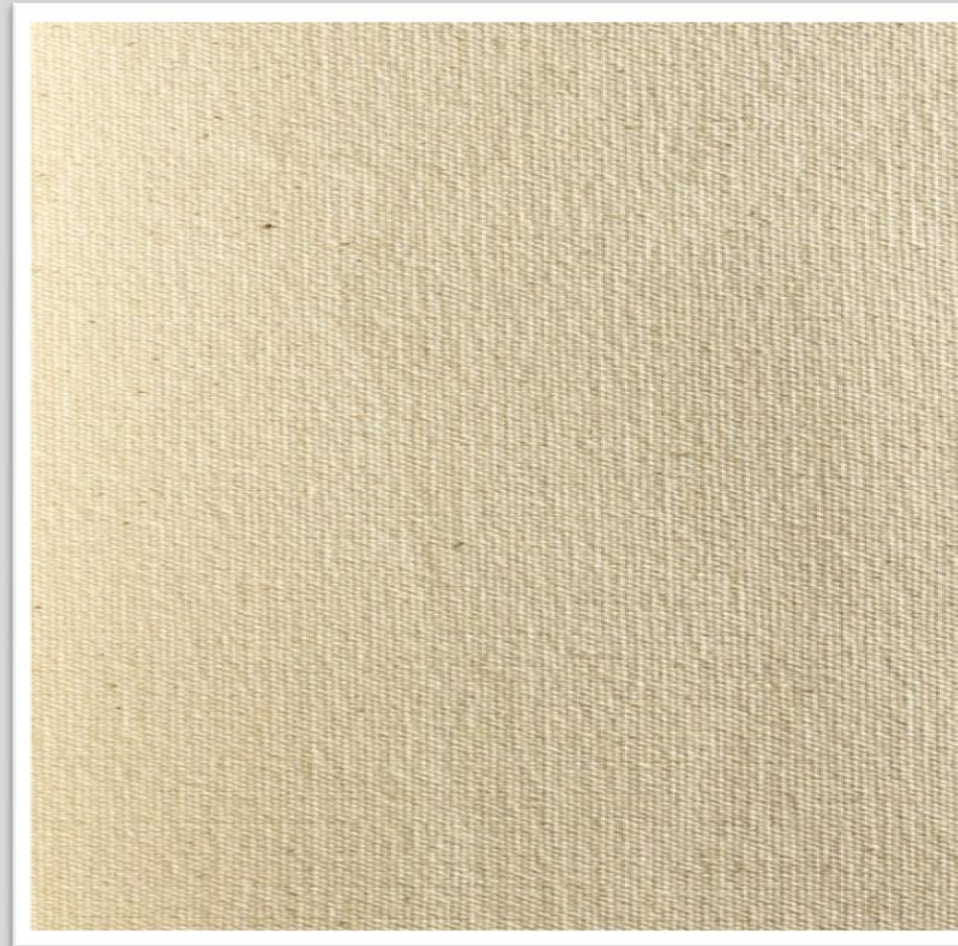




1908-1960

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Glen Raven Mills  
manufactures  
cotton duck  
awnings, silk,  
rayon, and nylon  
products



# The Shift to Acrylic

LESS ACRYLIC WASTE



MORE RAW  
MATERIAL SAVED



**\$\$\$ Saved,  
Resources Saved**



Product lifespan  
increased to **five**  
times the lifespan  
of cotton  
awnings

Raw materials costs  
increased.

1960

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First Acrylic Awning made (Sunbrella)

In all manufacturing plants,  
**80% of waste is recycled**

✓ Acrylic fabric &

fiber

✓ Metal products

✓ Cardboard

✓ Wood Pallets

✗ Food

✗ Mixed Cellulosic  
Material (paper  
towels, food  
wrappers, etc...)



# 1990

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Design for an ultra-modern,  
one-million-square-foot plant  
in Anderson, SC begins

- ✓ Vertical Integration
- ✓ Product Quality
- ✓ Improved Energy & Waste  
Efficiency
- ✓ Employee Health

Not about  
Recycling more,

It's about **USING  
LESS**

Not about

Recycling more,

It's about

**REDUCING**

**REUSE**

**REPURPOSE**



**REDUCE**



# Water

Solution  
dyeing

Advanced  
chemistry in  
finishing  
process



Changes in  
finishing  
alone have  
reduced waste  
water by 10  
million  
gallons/year

# PLASTIC



Bagging machine  
that adjusts to roll  
**40% less**  
size

**shipped**  
Compostable and  
permanent  
**plastic**  
kitchen-ware in  
cafeteria

# ENERGY

Motion-  
Activated  
Lighting

**20%**

**yearly**

**reduction**

Variable  
Speed Drives  
on fan motors





# REUSE

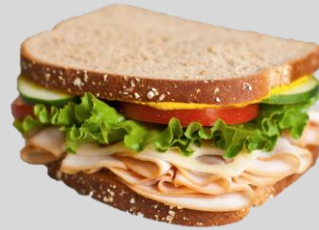




# REPURPOSE

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Food waste



New soil

Fabric Scraps



Recycled fiber, art projects

Lint & short fibers



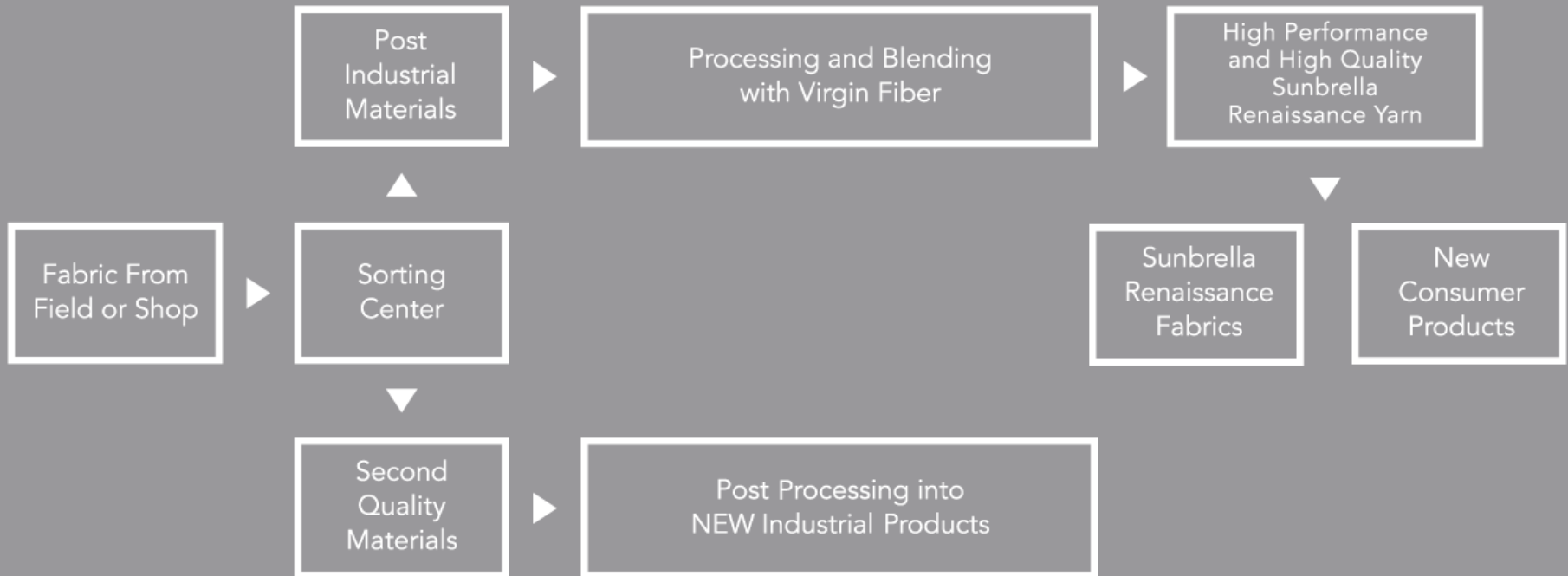
Auto insulation, industrial uses

Selvage Waste



Sunbrella Renaissance Yarn

# FABRIC WASTE STREAM











sunbrella®

Recycled  
Yarns for  
Renaissance  
products

**50%** **50%**

Reclaimed  
fiber

Virgin  
fiber



The system  
should require  
little to no extra  
effort for  
employees.

Program  
trainings offered.

Employees  
should have  
ownership.

*Everyone*  
touches  
recyclable  
material.

2013

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All five manufacturing  
plants and corporate  
offices in North Carolina  
achieve zero-landfill status

2004

## Work on Habitat Improvement Plan begins at Anderson, SC Plant

- ✓ Installation of wildlife feeding and nesting areas
- ✓ Wildlife Education Program and fence garden
- ✓ Compost area for cafeteria waste
- ✓ Construction of Nature Trail









International  
Organization for  
Standardization

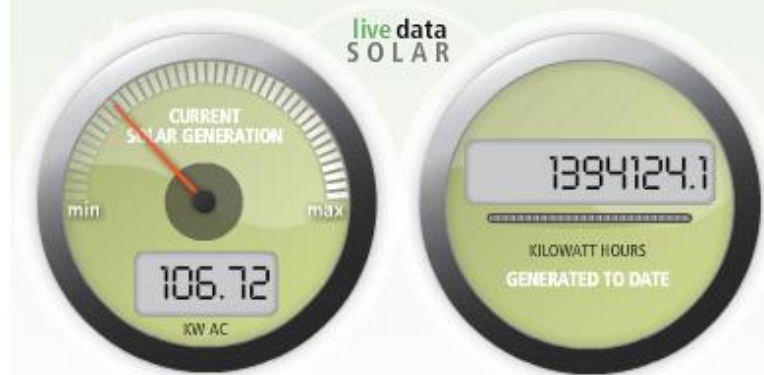


2011

- ✓ 25,000 trees planted on adjacent land
- ✓ 500kWatt Solar Array constructed in at Norlina Plant









Home **Graph** How Solar Works Project Details

Tues Jan 21 - Thurs Feb 20

33062.25 kWh Solar

**Generation/Power** Volts & Amps Power Information Customize

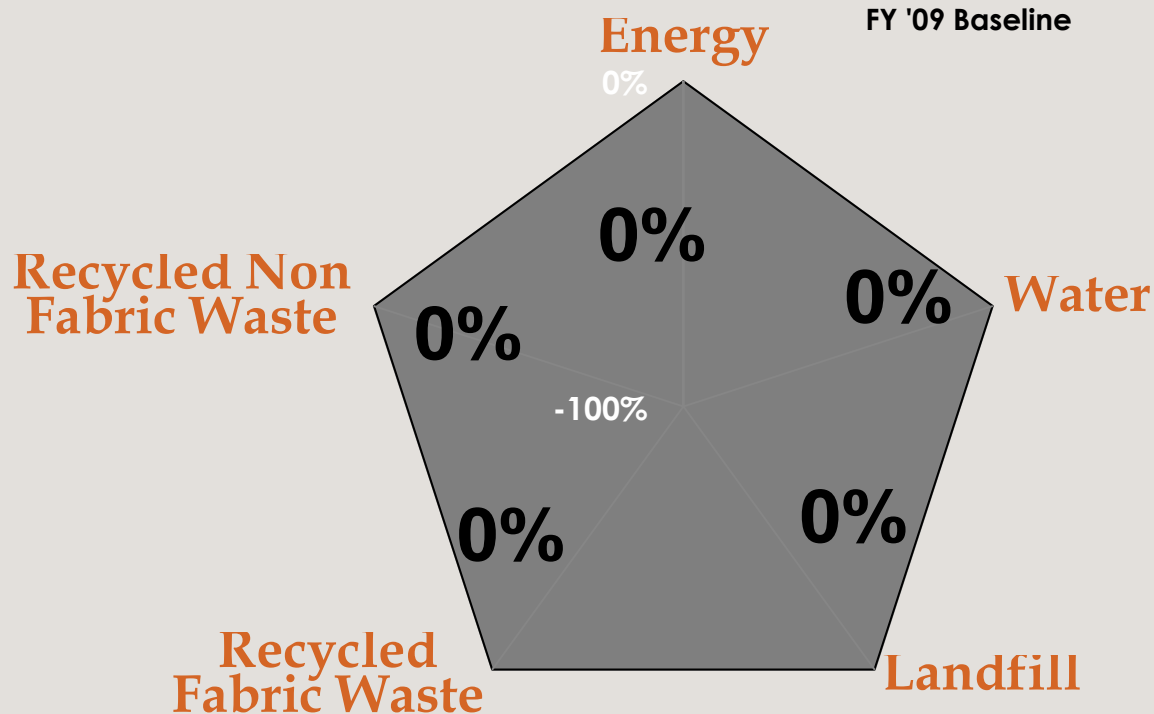


Minute Today 3 Days Week **Month** Year All Range

# RESOURCE USE

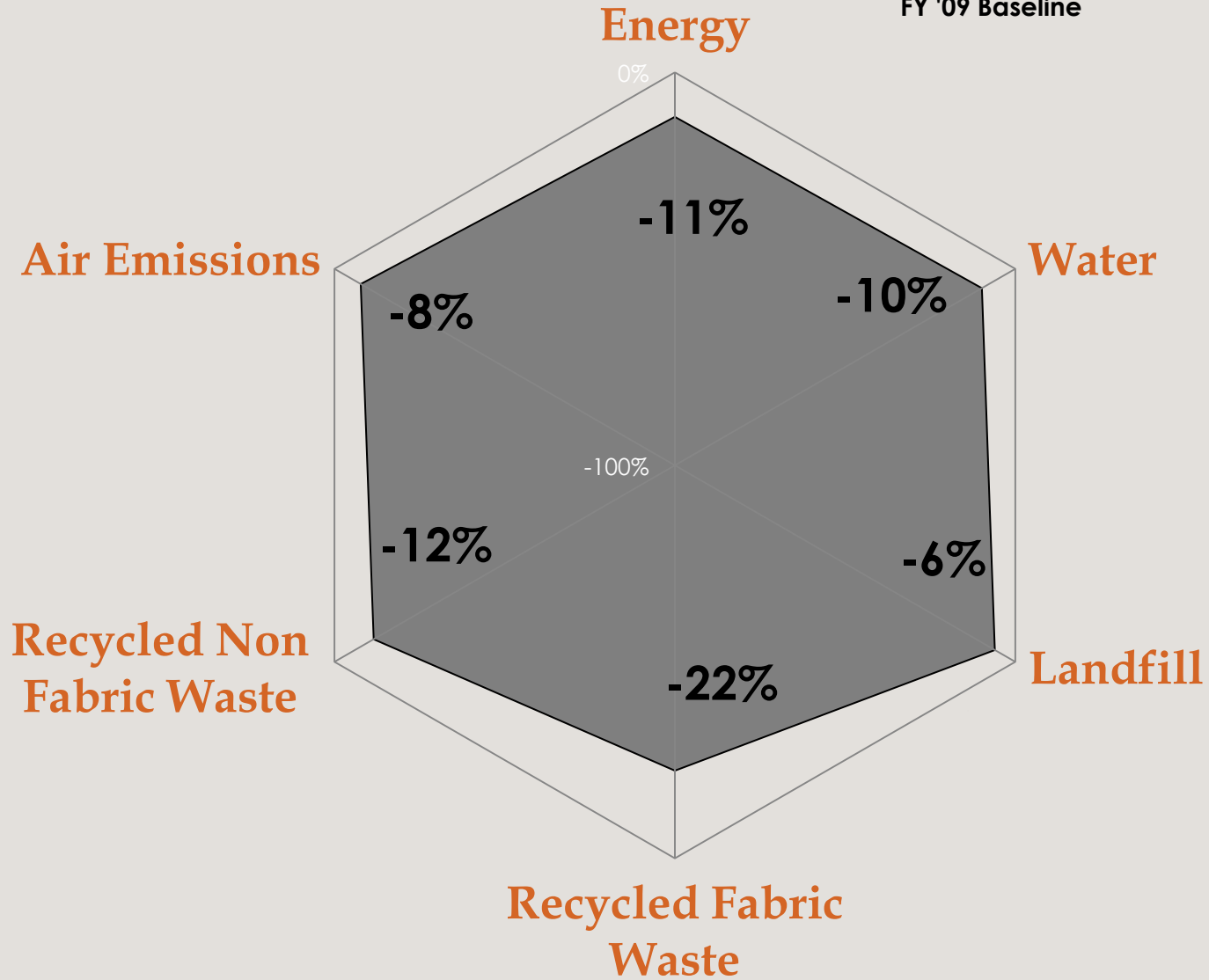
Technical Fabrics, 2 plants

**2009**

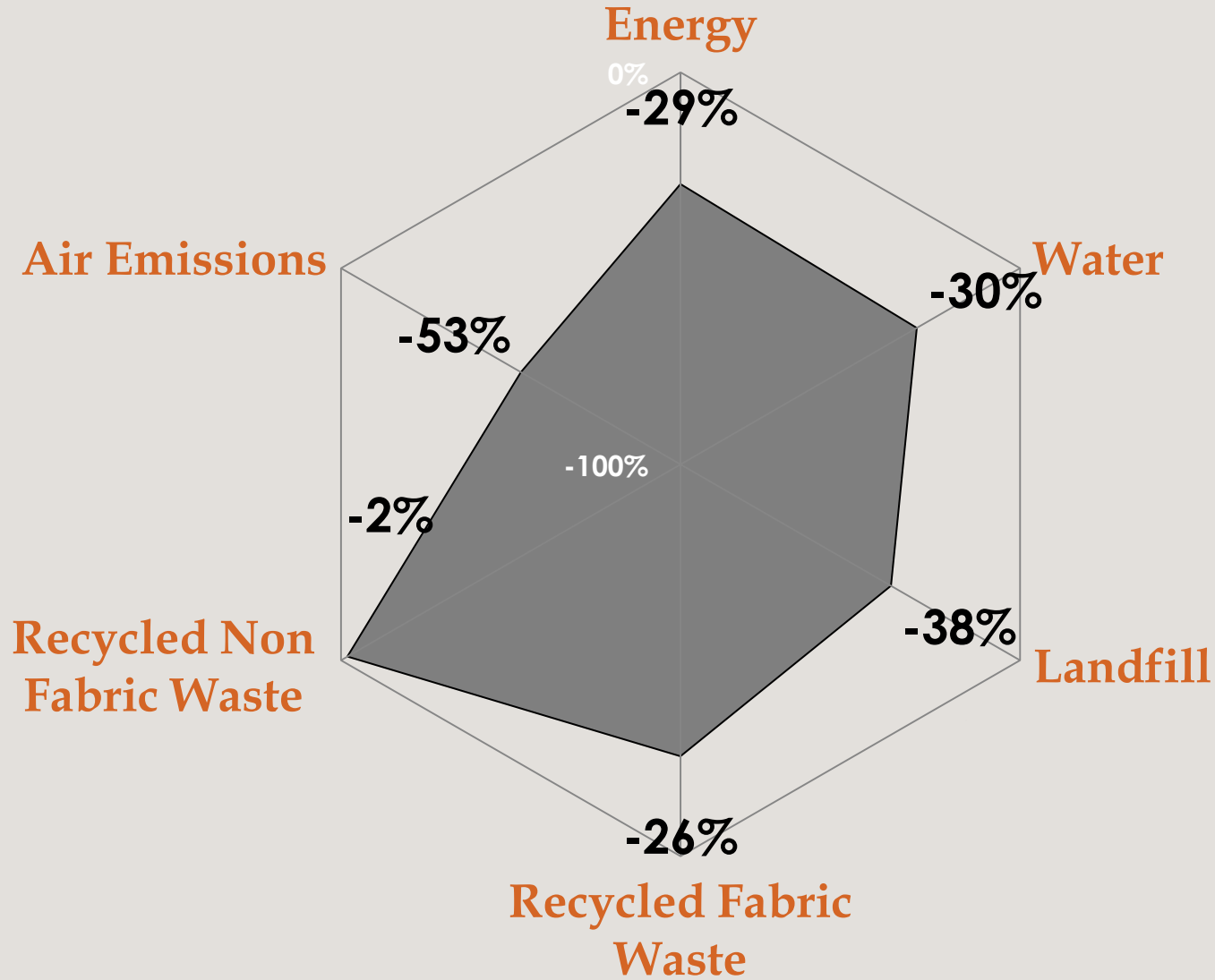


# 2010

FY '09 Baseline

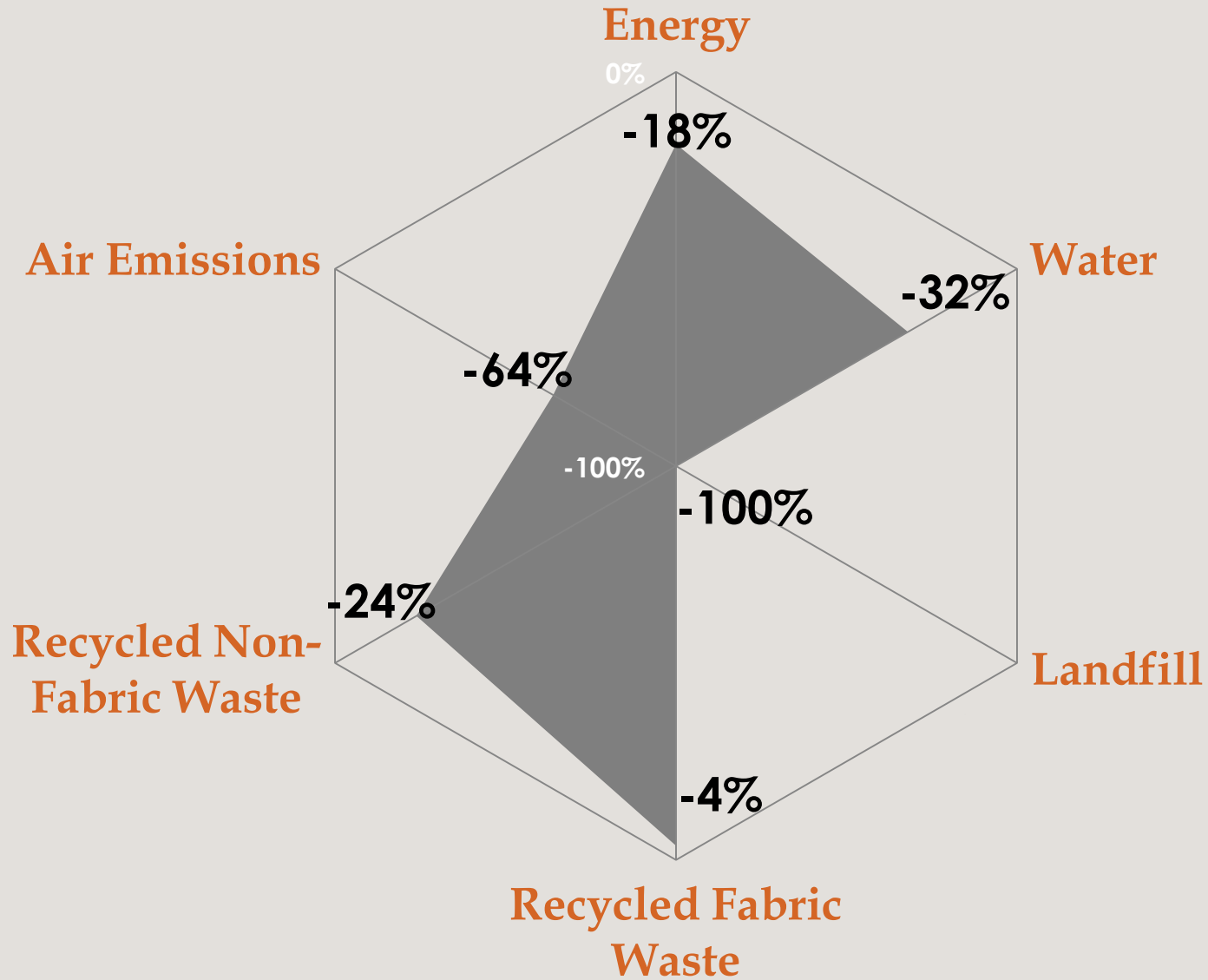


# 2011





# 2012



*SUCCESS*

