



LIFECYCLE BUILDING CENTER INTRODUCTION

**170 MILLION TONS OF C&D WASTE IS
GENERATED ACROSS U.S. EACH YEAR
(3 MILLION TONS IN GEORGIA),
25% OF WHICH IS REUSABLE**



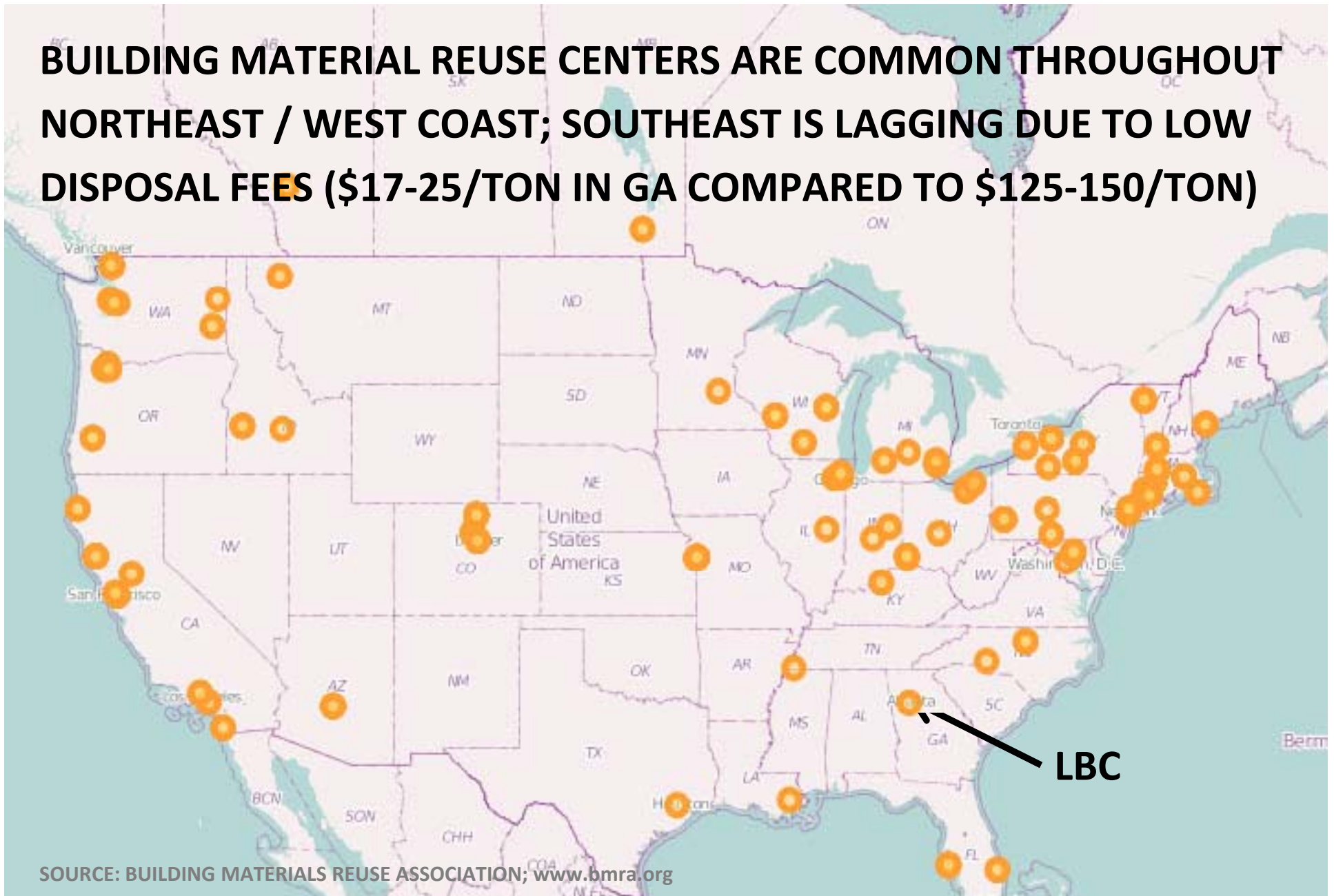
CONSTRUCTION & DEMOLITION WASTE

enough to fill
710 empire state
buildings EACH YEAR

CONSTRUCTION & DEMOLITION WASTE



**BUILDING MATERIAL REUSE CENTERS ARE COMMON THROUGHOUT
NORTHEAST / WEST COAST; SOUTHEAST IS LAGGING DUE TO LOW
DISPOSAL FEES (\$17-25/TON IN GA COMPARED TO \$125-150/TON)**



SOURCE: BUILDING MATERIALS REUSE ASSOCIATION; www.bmra.org

REUSE CENTER LOCATIONS ACROSS U.S.



**300 DAILY VISITORS; 7,000,000 POUNDS DIVERTED
FROM LANDFILLS ANNUALLY (8 TONS PER DAY)**





REBUILDING CENTER – PORTLAND



**OVER 10,000,000 POUNDS DIVERTED &
\$2 MILLION IN COMMUNITY SAVINGS SINCE 2009**



REBUILDING EXCHANGE - CHICAGO



4,000,000 POUNDS DIVERTED FROM LANDFILLS IN 2013 ALONE
CEC EFFICIENCY RETROFITS HAVE COLLECTIVELY:

- SAVED NY STATE \$180 MILLION IN ENERGY COSTS**
- REDUCED ANNUAL ENERGY USE BY 675 BILLION BTUS**

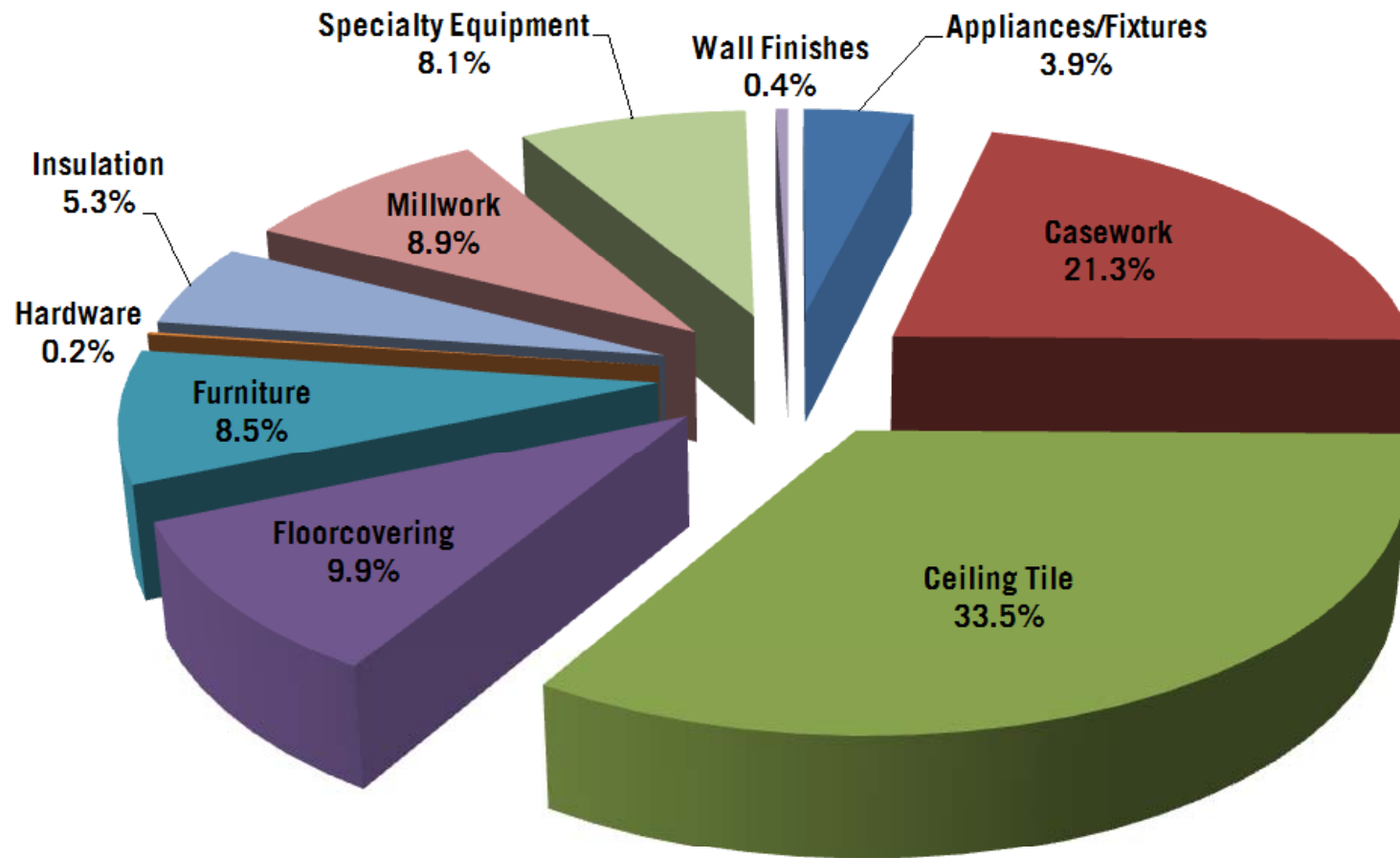




PERKINS+WILL CASE STUDY

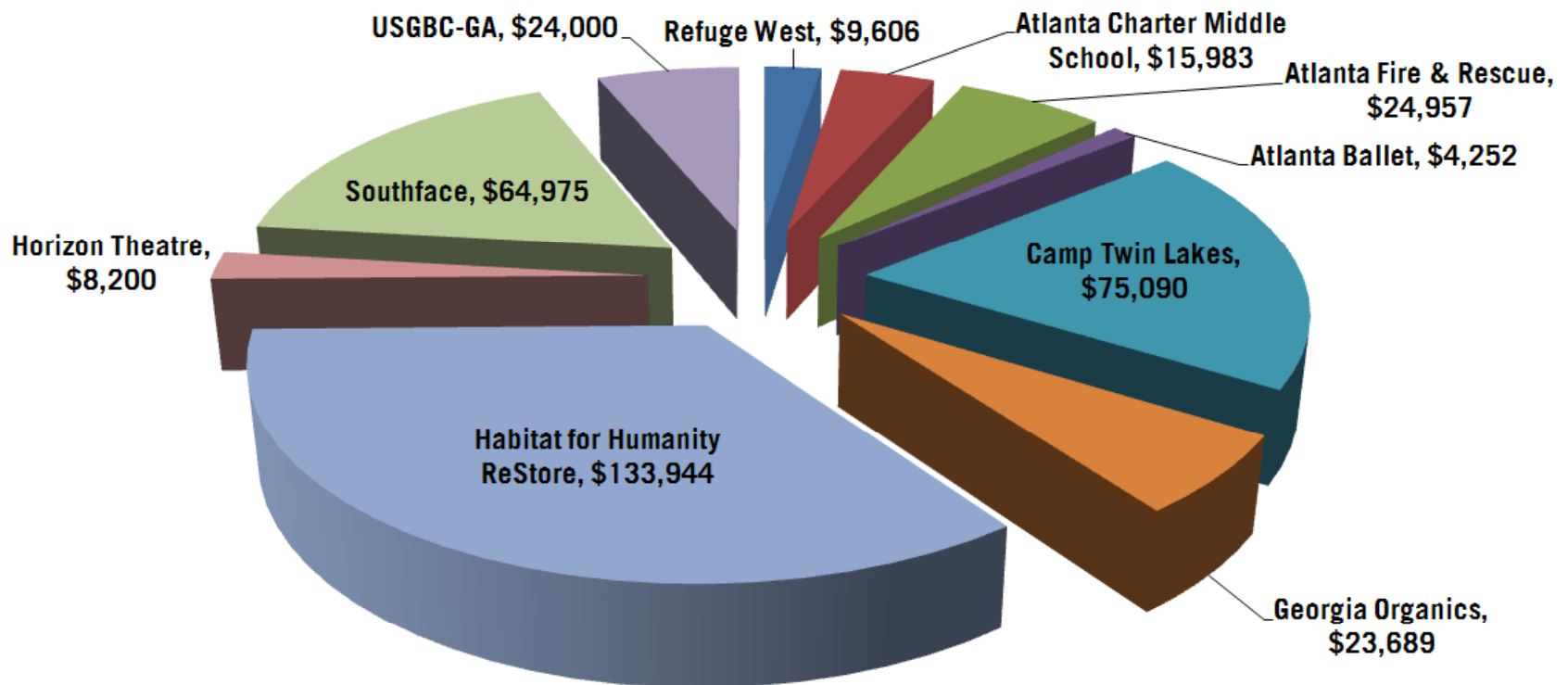


CAN WE DONATE THIS TO NONPROFITS?



Total amount to nonprofits: 73,400 lbs.

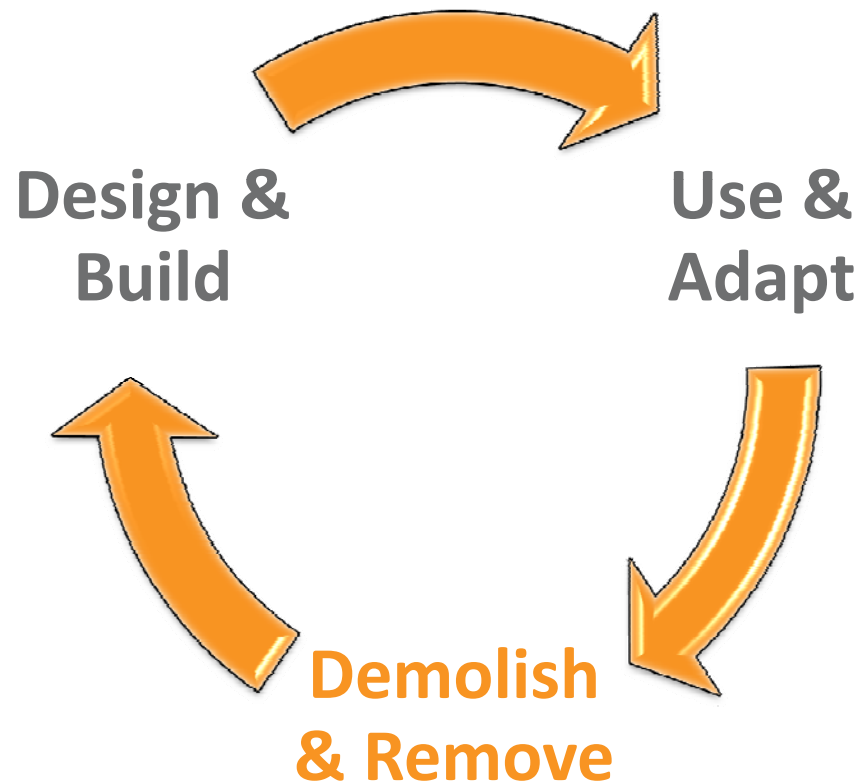
TOTAL REPURPOSED MATERIAL BY WEIGHT: 125,521 LBS.



Total donation to nonprofits: \$384,696

FINANCIAL IMPACT

LBC maximizes resource efficiency throughout a building's lifecycle



LIFECYCLE BUILDING CENTER OVERVIEW

The mission of the Lifecycle Building Center is to make the **life cycle use of the built environment increasingly efficient and sustainable.**

This mission is enacted in three ways:

- Through the operation of a retail building **material reuse center** as a workable and self-sufficient alternative to material disposal
- By using proceeds from material sales to fund grassroots **community outreach programs** that enhance resource efficiency in the built environment
- By empowering the community through improved access to the **educational resources** needed to effectively raise market demand for green building goods and services

LIFECYCLE BUILDING CENTER OVERVIEW

Reclaimed building materials – supply/demand sources

General Public

- Homeowners / do-it-yourselfers
- Landlords / Facility Managers
- Businesses
- Municipalities

Design/Build Community

- Architects
- Builders
- Remodelers
- General Contractors
- Other Trades

Nonprofit Community (free)

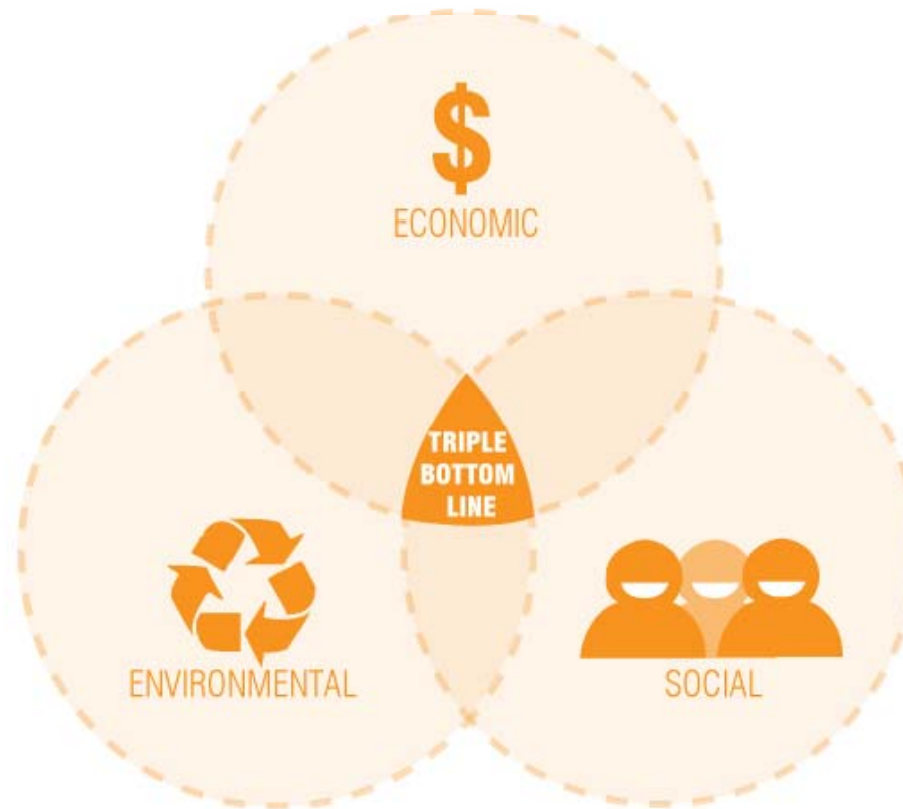
- Civic Groups
- Church Groups
- Arts Community
- Schools
- Home Repair programs

- CONSUMERS SAVE 50-75%
ON BUILDING MATERIALS
- DECONSTRUCTION CREATES
MORE JOBS THAN DEMOLITION

- TAX WRITE-OFFS TO
MATERIAL DONORS
- PROFIT REINVESTED IN HOME
PERFORMANCE / ENERGY SAVINGS

AVOID RESOURCE
DEPLETION

- REDUCE LANDFILL
EMISSIONS / AIR
POLLUTANTS
- IMPROVED HOME
PERFORMANCE
AVOIDS ENERGY
CONSUMPTION



FREE MATERIALS
TO NONPROFITS

- JOB SKILLS GAINED
BY VOLUNTEERS &
TRAINEES
- REUSE FACILITY
DRAWS RESOURCES
TO LOW-INCOME
COMMUNITY

TRIPLE BOTTOM LINE APPROACH

LBC PROGRAMS

- MATERIAL REUSE OPERATION

customers save 50-85%
over 2,500 customers to date

- DECONSTRUCTION SERVICES

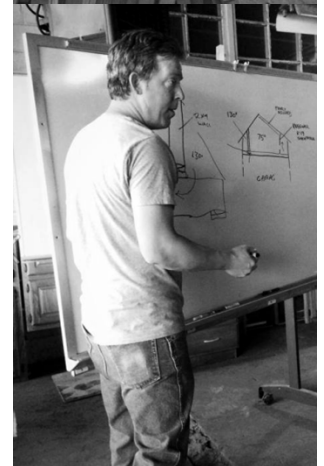
remove materials for donor
over 90 decons to date

- COMMUNITY EDUCATION WORKSHOPS

DIY / Home Performance
7 workshops, 140 participants to date

- NONPROFIT WISHLIST

47 groups to date (\$500,000 saved)

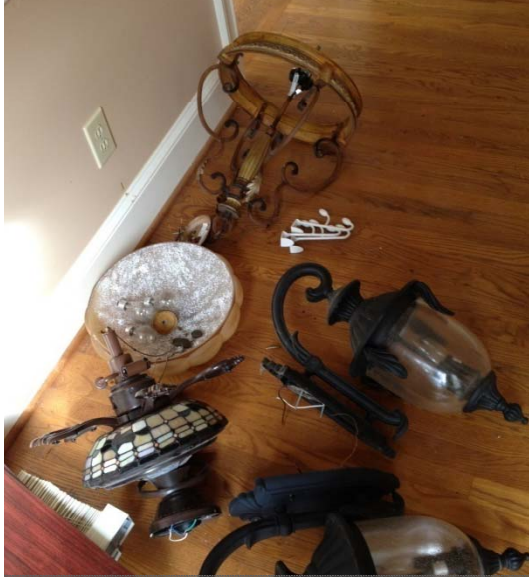




MATERIAL REUSE OPERATION



MATERIAL REUSE OPERATION



DECONSTRUCTION SERVICES



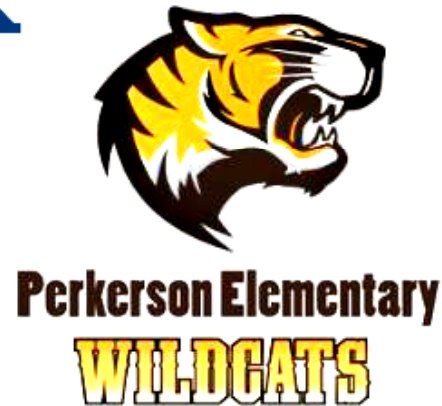
DECONSTRUCTION SERVICES



COMMUNITY EDUCATION WORKSHOPS



COMMUNITY EDUCATION WORKSHOPS



NONPROFIT WISHLIST

The **LBC** is a non-profit organization that **diverts** usable building materials from landfills toward opportunities for **reuse** and **empowers** our community to implement energy-saving, sustainable solutions.

Over 3 years of operation, the LBC diverted over

80,614 CUBIC FEET (1,045,000 lbs*)

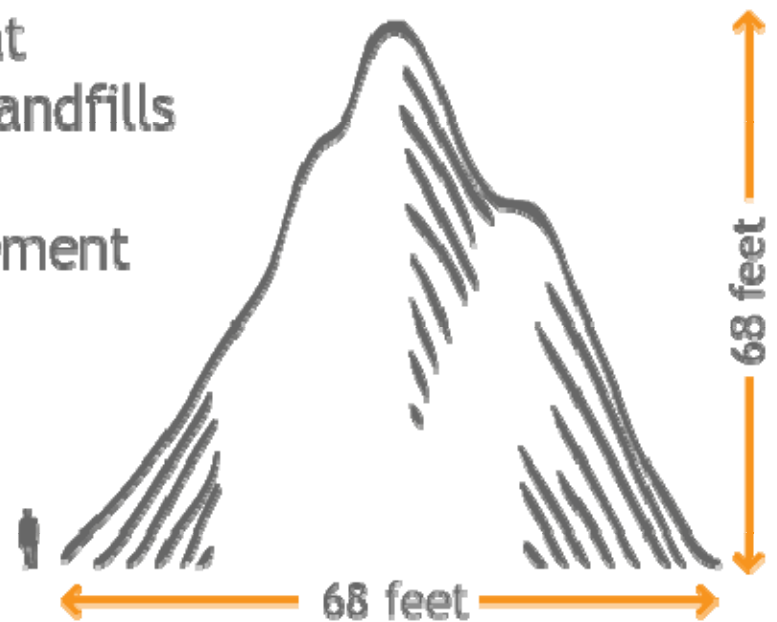
of material from landfills

Enough to fill 149 dumptrucks



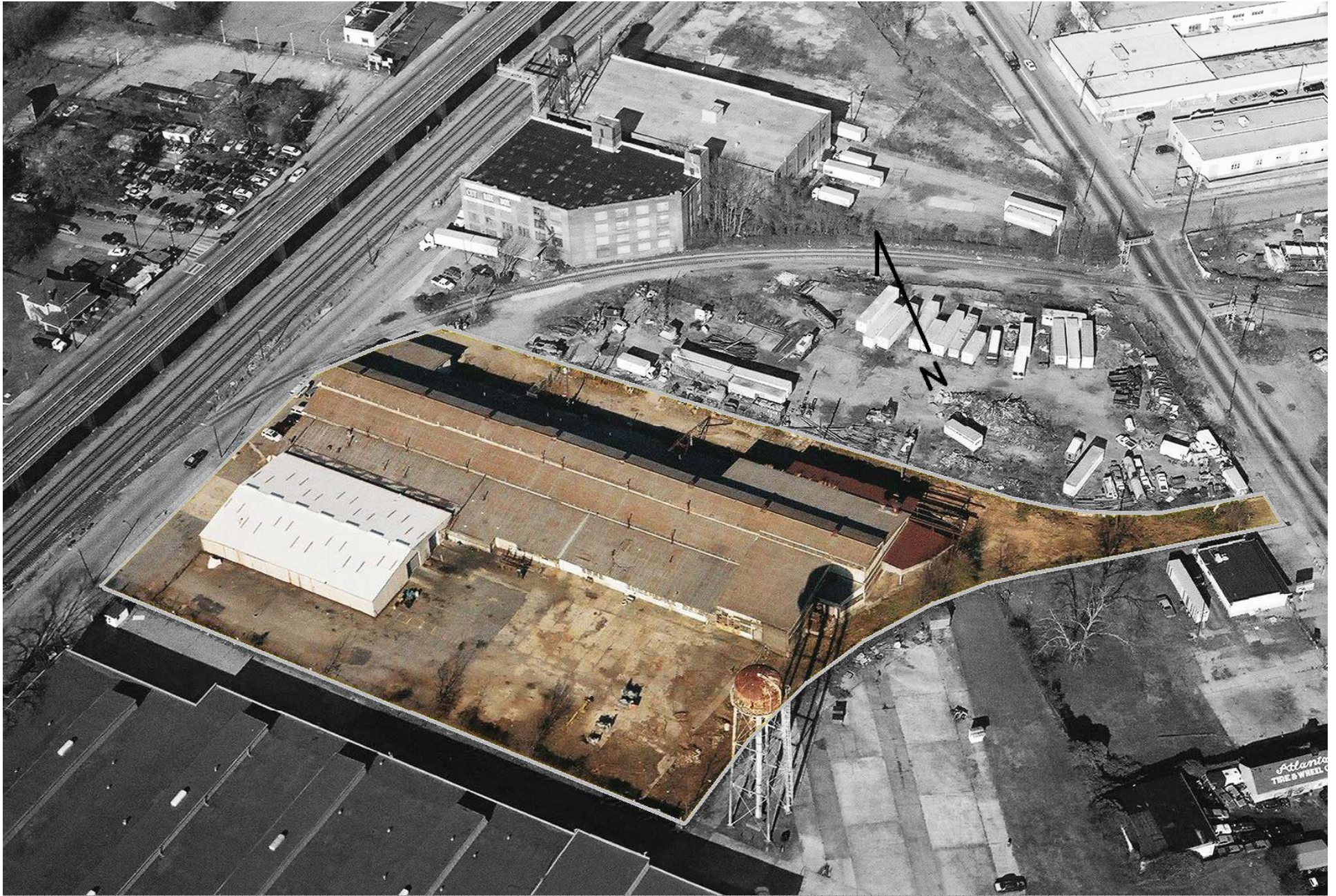
x149 =

A MOUNTAIN OF MATERIAL!



*approx weight conversion based on 350 lbs = 1 cubic yard
source: www.wastediversion.org

LBC IMPACT



LBC FACILITY



LBC FACILITY



LIFECYCLE BUILDING CENTER

OF GREATER ATLANTA

LBC WAREHOUSE
1116 MURPHY AVE SW
ATLANTA, GA 30310
Parking & Entrance @ REAR

OPEN

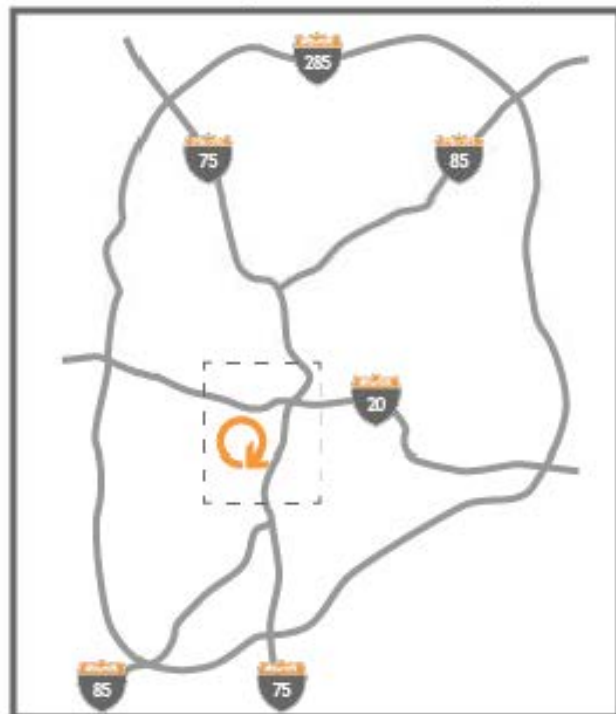
TUESDAY 10am-6pm
WEDNESDAY 10am-6pm
THURSDAY 10am-6pm
FRIDAY 10am-6pm
SATURDAY 10am-4pm

Off I-75/85:

- ▶ EXIT 244: University Ave
- ▶ LEFT on Metropolitan Ave
- ▶ RIGHT on Dill Ave
- ▶ RIGHT on Murphy Ave

Off I-20:

- ▶ EXIT 55B: Lee St
- ▶ LEFT on R.D.A. Blvd
- ▶ RIGHT on Murphy Ave



Learn more at www.lifecyclebuildingcenter.org



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