Welcome!

CITY OF CLEVELAND

Mayor Frank G. Jackson

SAGESENHEIM
LIQUOR-FOOD
ESTAURANT

Office of Sustainability

- Save the City money and reduce its ecological footprint
- Use sustainability and climate action as a tool for economic development
- Provide tools and resources to make sustainability business-as-usual
- Foster a culture that embraces sustainability

33 Actions

25 Actions

SUSTAINABLE CLEVELAND
MUNICIPAL ACTION PLAN

EXECUTIVE SUMMARY

October 2013

CITY OF CLEVELAND
Mayor Frank G. Jackson

SUSTAINABLE CLEVELAND 2019

33 Climate Actions

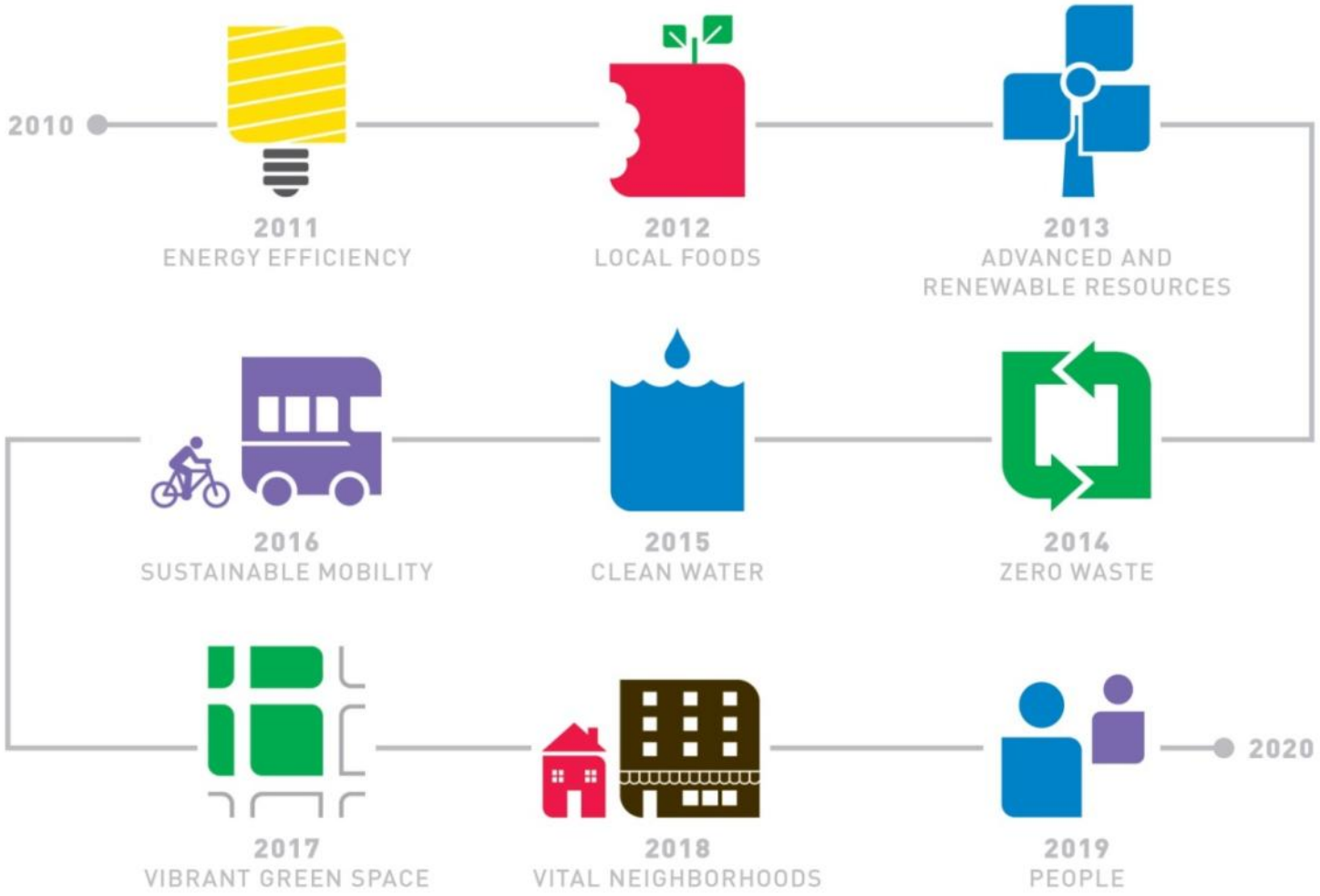
Focus Area	# of Actions
Energy Efficiency & Green Building	7
Advanced & Renewable Energy	8
Sustainable Mobility	6
Waste Reduction & Resource Conser.	3
Land Use & Clean Water	6
Comm. Engagement & Public Health	3

Sustainable Cleveland 2019

Mission

Sustainable Cleveland is a 10-year initiative that engages people from all walks of life, working together to design and develop a thriving and resilient Cleveland region that leverages its wealth of assets to build economic, social and environmental well-being for all.

Celebration Years

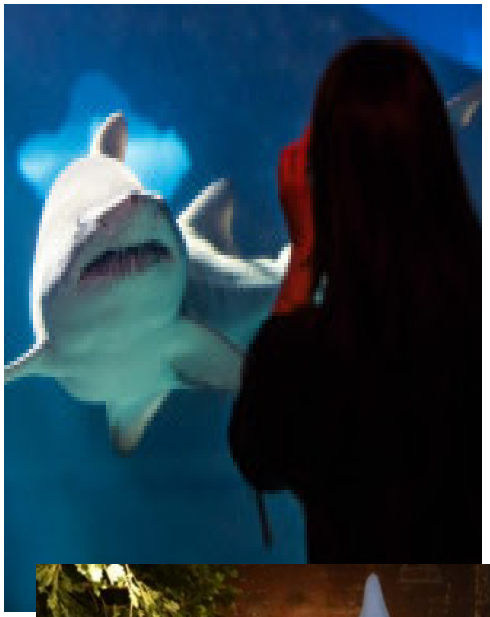


2015

CLEAN WATER 2015

SUSTAINABLE CLEVELAND

TOGETHER, WE'RE BUILDING A THRIVING GREEN CITY ON A BLUE LAKE



FIRE
ON THE
WATER

CLEAN WATER 2015
SUSTAINABLE CLEVELAND
PROUD SPONSOR
CELEBRATE THE YEAR OF CLEAN WATER
#CLEANWATER2015
Visit NORTHERN TREK
to find ways to keep our waterways healthy and protect wildlife, like penguins.
Visit the sea lion exhibit in Northern Trek
to enter the Clean Water Sweepstakes.

EarthFest
Presented by:
earth DAY COALITION
201
Celebrating the Year of Clean Water

Rex
Evolvex

DERBY

It's like a festival.
With hard hats.
@neorsd Open House
Food • Tours • Prizes
Contests • Trucks • Music
BIGGER & BETTER THAN EVER!
Northeast Ohio Regional Sewer District
Saturday, Sept. 19 / 9am-4pm in Cuyahoga Heights
Click here to visit our Facebook event page for details!

SWITCH & $AVE

HERE IS HOW

GIVE YOURSELF A $1,756 RAISE BY DITCHING BOTTLED WATER AND DRINKING FRESH TAP WATER FROM CLEVELAND WATER.

STEP 1

DRINK MORE WATER.....

1 2 3 4 5 6 7 8

EIGHT 8OZ. GLASSES OF WATER IS THE SUGGESTED DAILY H2O SERVING
THAT'S ONE GALLON EVERY OTHER DAY AND 183 GALLONS IN ONE YEAR!

64OZ. EVERY DAY = 1 GALLON EVERY OTHER DAY

IN ONE YEAR WE SHOULD DRINK

183 GALLONS OF WATER

STEP 2

MAKE THE SWITCH.....

THE AVG. SIZE OF BOTTLED WATER IS
20 OZ.

AVERAGE COST IN CLE
$1.50 PER BOTTLE

1,171 BOTTLES
IS 183 GALLONS

LETS DO THE MATH 1,171 BOTTLES x $1.50

IN CLEVELAND
1 MCF= 7,480
GALLONS

WATER IN CLE COSTS
$32.75 PER MCF

2.5% OF AN MCF
IS 183 GALLONS

LETS DO THE MATH 2.5 PERCENT x $32.75

STEP 3

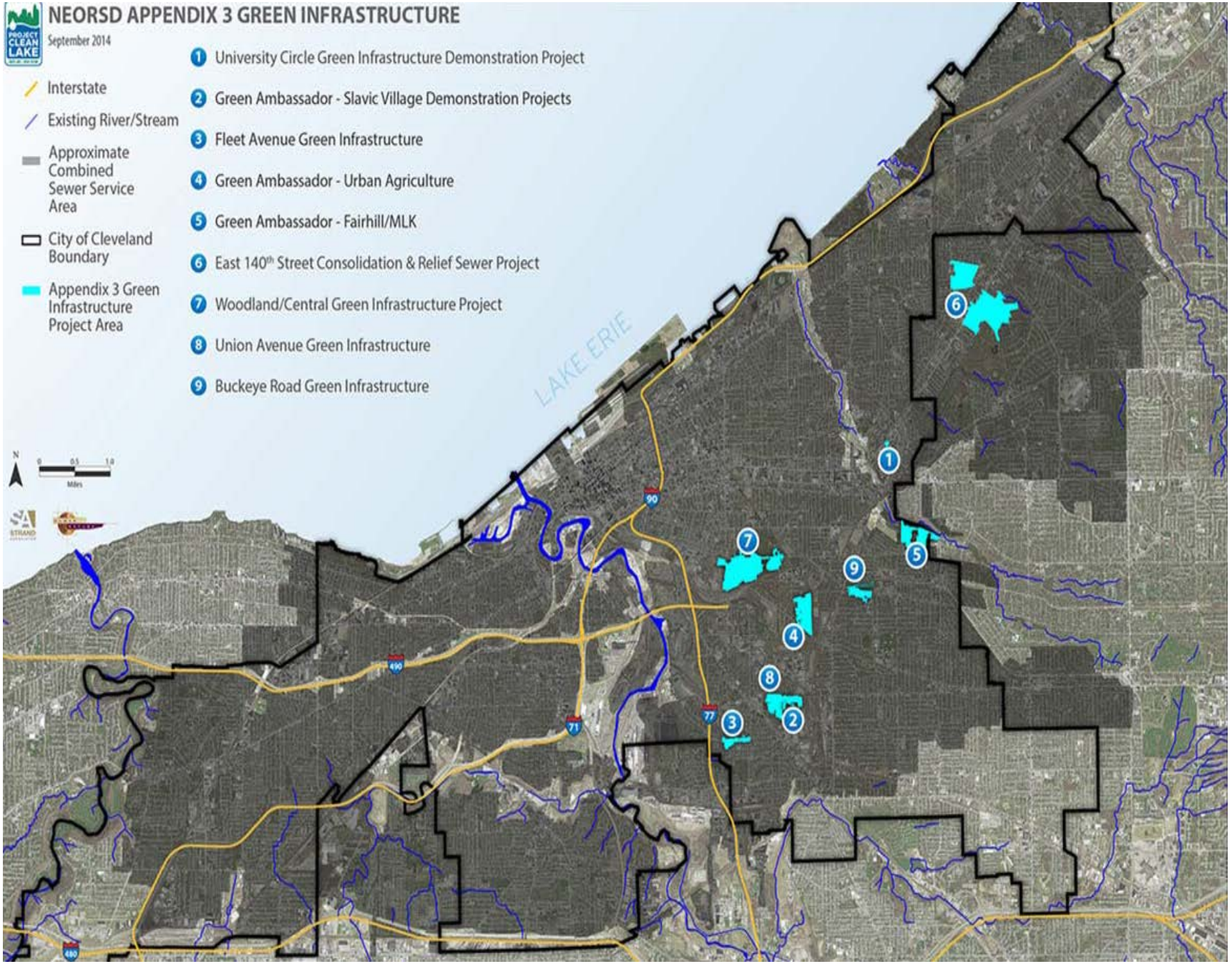
IN ONE YEAR BOTTLED WATER COST $1,757

IN ONE YEAR CLE TAP WATER COST $0.82

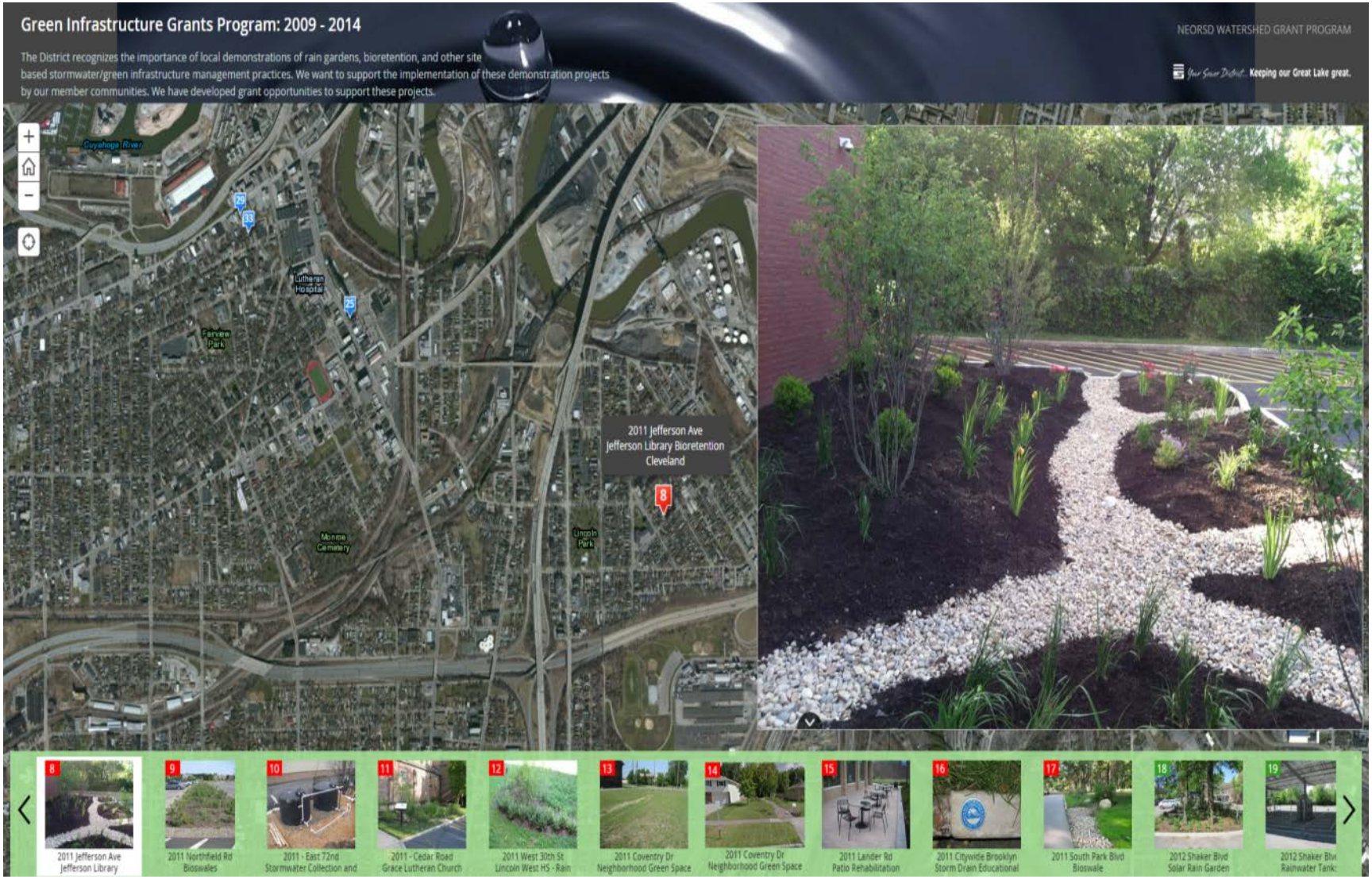
ENJOY A SAVINGS OF $1,756.....

CLEVELAND WATER
clevelandwater.com

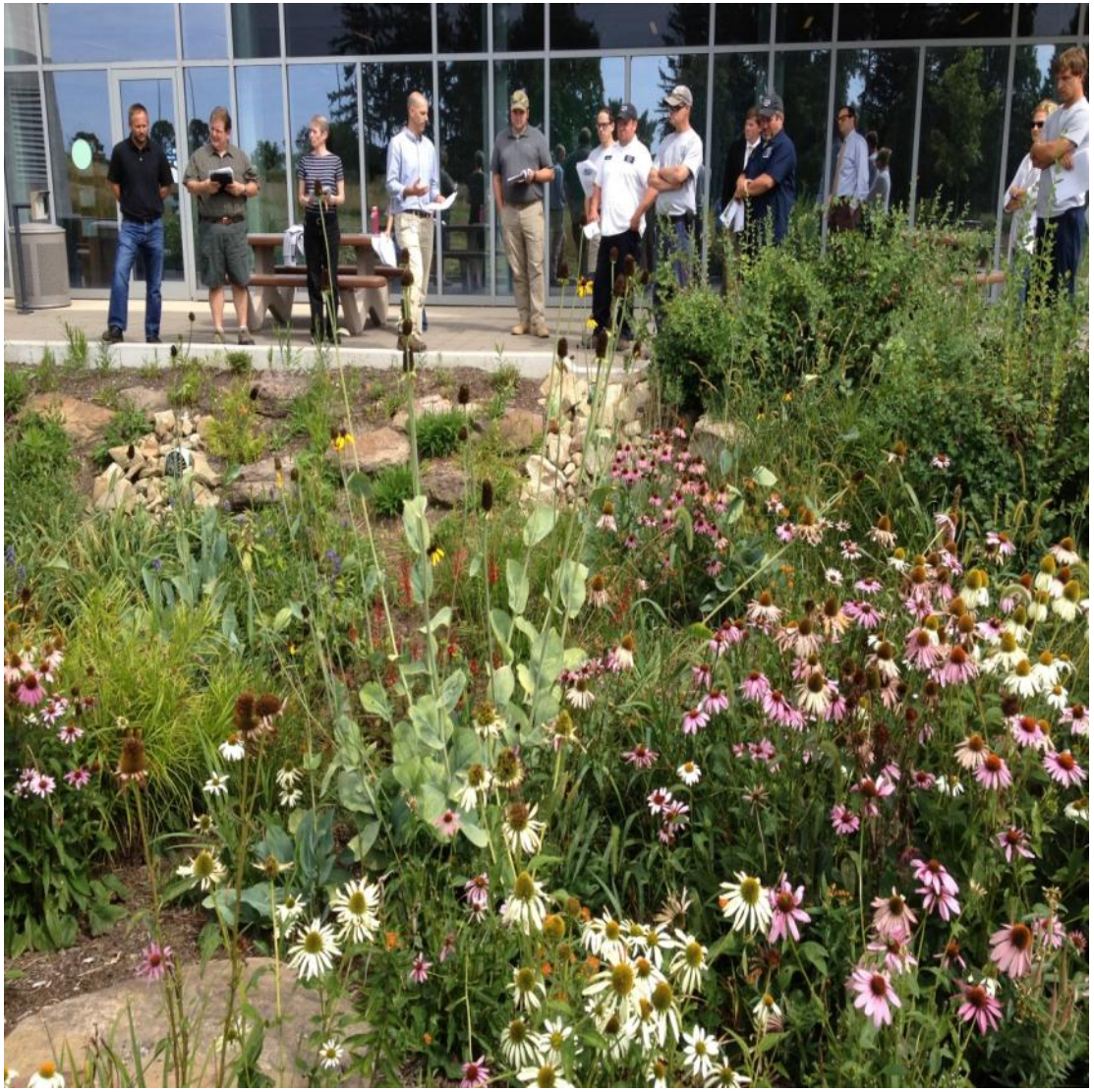
TELL US WHAT YOU WILL SPEND YOUR SAVINGS ON!
#tapintoit


NEORSD APPENDIX 3 GREEN INFRASTRUCTURE
September 2014
Interstate
Existing River/Stream
Approximate Combined Sewer Service Area
City of Cleveland Boundary
Appendix 3 Green Infrastructure Project Area
1 University Circle Green Infrastructure Demonstration Project
2 Green Ambassador - Slavic Village Demonstration Projects
3 Fleet Avenue Green Infrastructure
4 Green Ambassador - Urban Agriculture
5 Green Ambassador - Fairhill/MLK
6 East 140th Street Consolidation & Relief Sewer Project
7 Woodland/Central Green Infrastructure Project
8 Union Avenue Green Infrastructure
9 Buckeye Road Green Infrastructure
LAKE ERIE
N
0 0.5 1.0
Miles
90
490
71
77
480

NEORSD Green Infrastructure Grants



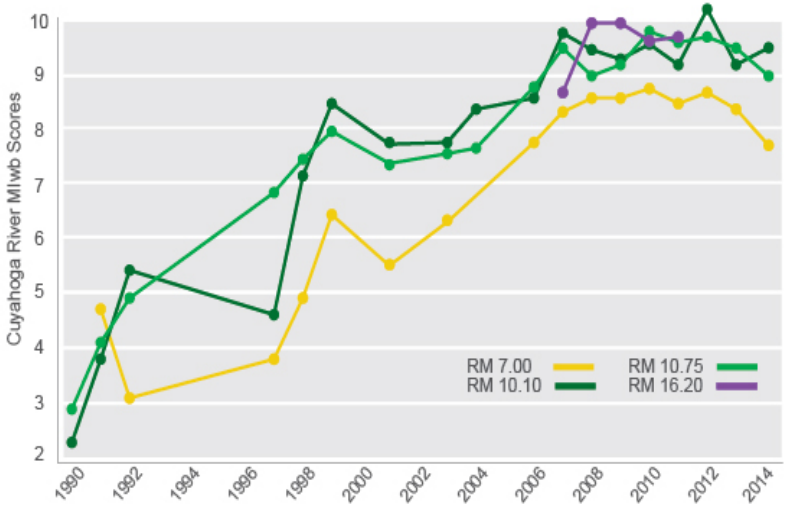
Green Infrastructure Training

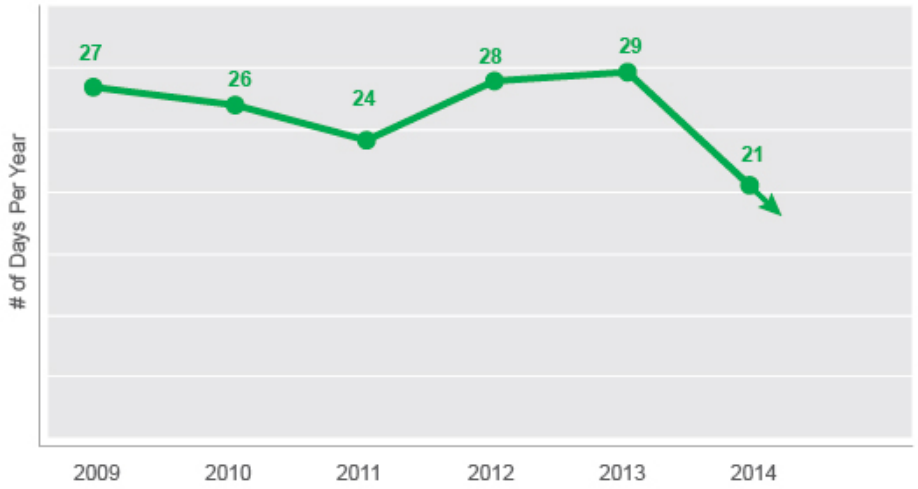


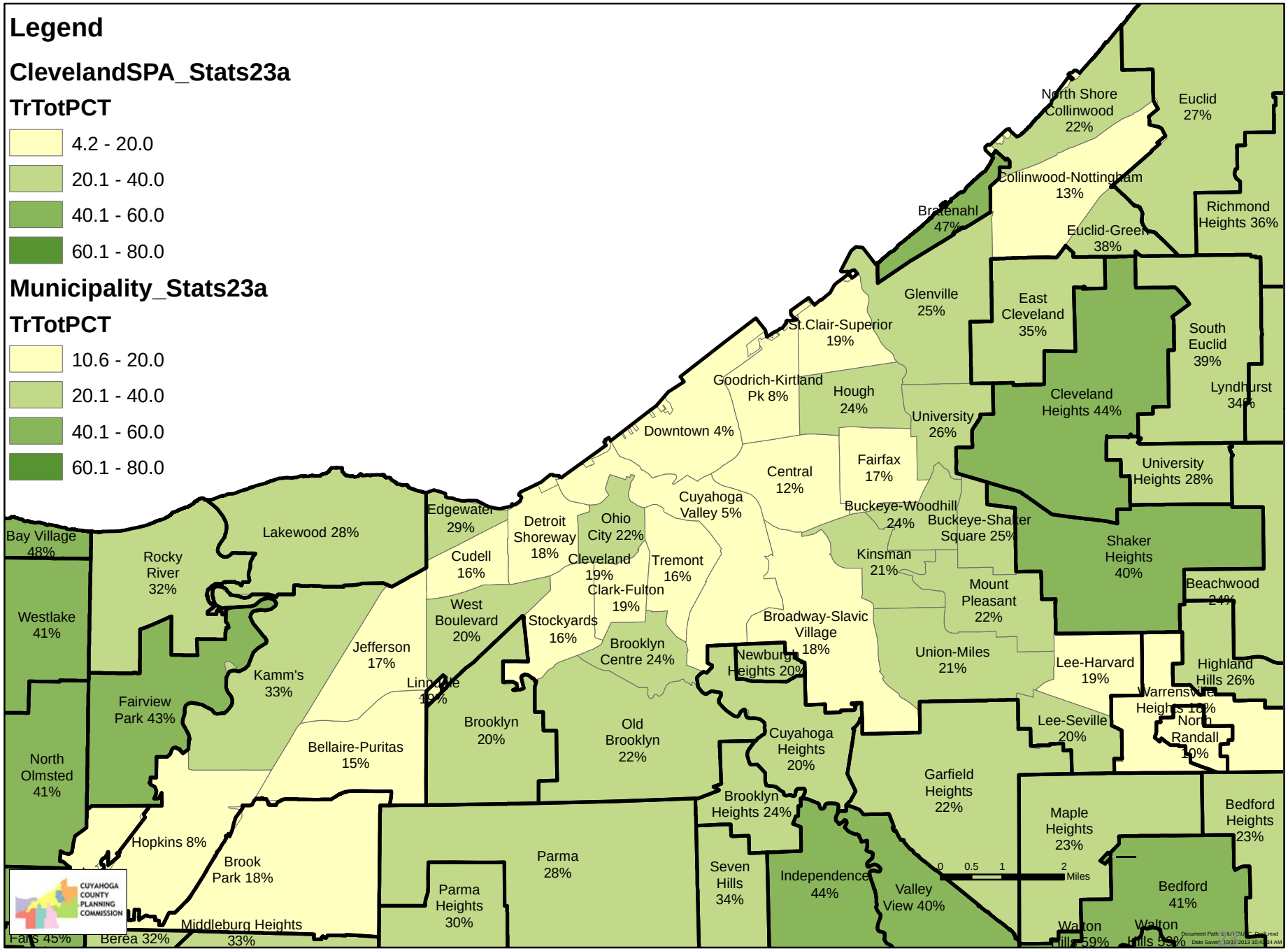
Top 12 Items of Beach Trash

Cuyahoga County

Item	Number
Plastic pieces	23,053
Cigar tips	19,461
Cigarette filters	10,314
Foam pieces	9,046
Plastic bottle camps	6,620
Straws	3,985
Food wrappers	3,023
Plastic beverage bottles	2,550
Glass pieces	1,536
Plastic lids	1,376
Other plastic packaging	1,350
Tampon applicators	1,195


Cuyahoga River MIwb Scores
10
9
8
7
6
5
4
3
2
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012
2014
RM 7.00
RM 10.10
RM 10.75
RM 16.20


# of Days Per Year
27
26
24
28
29
21
2009
2010
2011
2012
2013
2014


Legend
ClevelandSPA_Stats23a
TrTotPCT
4.2 - 20.0
20.1 - 40.0
40.1 - 60.0
60.1 - 80.0
Municipality_Stats23a
TrTotPCT
10.6 - 20.0
20.1 - 40.0
40.1 - 60.0
60.1 - 80.0
North Shore Collinwood 22%
Euclid 27%
Collinwood-Nottingham 13%
Bratenahl 47%
Euclid-Green 38%
Richmond Heights 36%
Glenville 25%
East Cleveland 35%
South Euclid 39%
St.Clair-Superior 19%
Goodrich-Kirtland Pk 8%
Hough 24%
University 26%
Cleveland Heights 44%
Lyndhurst 34%
Downtown 4%
Fairfax 17%
University Heights 28%
Central 12%
Cuyahoga Valley 5%
Buckeye-Woodhill 24%
Buckeye-Shaker Square 25%
Edgewater 29%
Detroit Shoreway 18%
Ohio City 22%
Cudell 16%
Cleveland 19%
Tremont 16%
Clark-Fulton 19%
Kinsman 21%
Shaker Heights 40%
Bay Village 48%
Lakewood 28%
Rocky River 32%
Mount Pleasant 22%
Beachwood 24%
Westlake 41%
West Boulevard 20%
Stockyards 16%
Broadway-Slavic Village 18%
Jefferson 17%
Brooklyn Centre 24%
Union-Miles 21%
Lee-Harvard 19%
Highland Hills 26%
Kamm's 33%
Newburgh Heights 20%
Fairview Park 43%
Linndale 19%
Brooklyn 20%
Old Brooklyn 22%
Cuyahoga Heights 20%
Lee-Seville 20%
Warrensville Heights 18%
North Randall 10%
Bellaire-Puritas 15%
North Olmsted 41%
Garfield Heights 22%
Brooklyn Heights 24%
Maple Heights 23%
Bedford Heights 23%
Hopkins 8%
Brook Park 18%
Parma 28%
Parma Heights 30%
Seven Hills 34%
Independence 44%
Valley View 40%
Bedford 41%
Middleburg Heights 33%
Falls 45%
Berea 32%
Walton Hills 59%
Walton Hills 59%
0 0.5 1 2 Miles
CUYAHOGA COUNTY PLANNING COMMISSION

CLEVELAND FUTURE CANOPY ESTIMATES

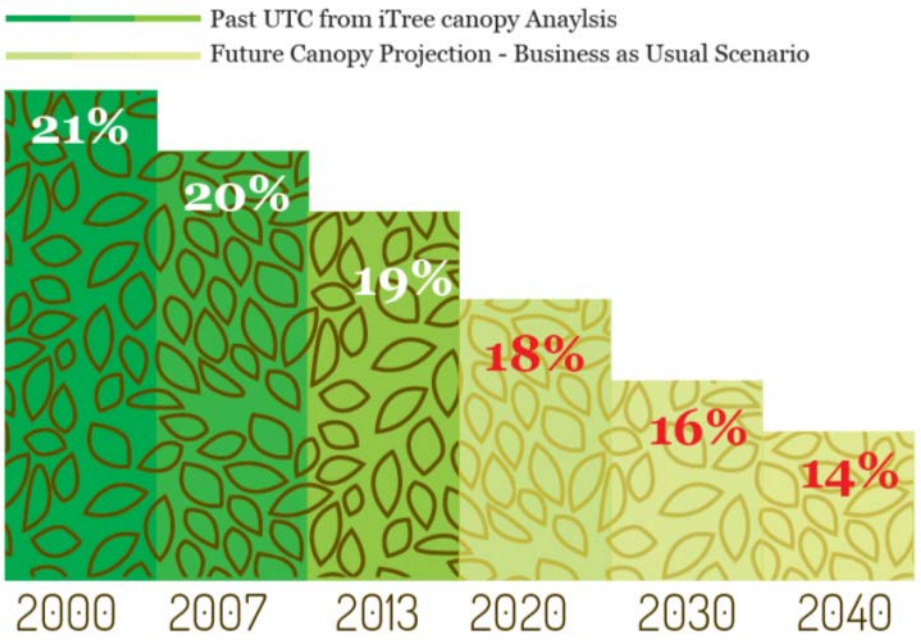


TABLE ONE CLEVELAND FUTURE CANOPY ESTIMATES

CITY CANOPY COMPARISONS

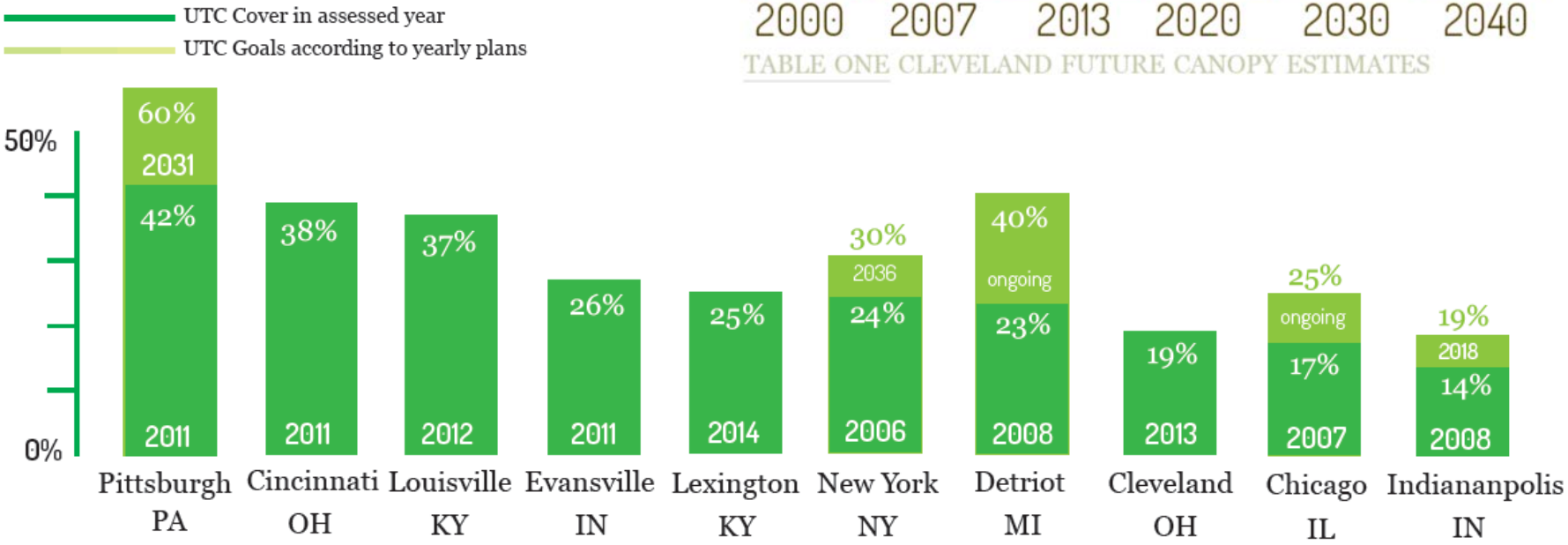
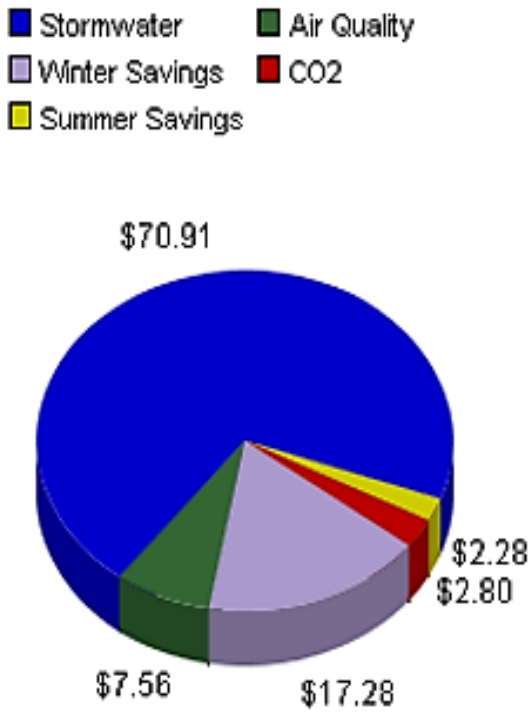


TABLE TWO CITY CANOPY COMPARISON

Why Trees?

- Intercepts 1.8 billion gallons of rainwater every year (value: $11 million).
- Removes 415 tons of air pollution every year (value: $1.8 million).
- Saves residents and business-owner $3.5 million in energy costs each year.
- Reduces stress from high heat days.
- Improves public health across a range of issues, including asthma, obesity, diabetes, and mental health.
- Increases property values by an estimated $4.5 million, which in turn increases city revenues

A 50-inch diameter oak provides a $101 in benefits annually.



Breakdown of tree benefits

i-Tree

THROUGH PARTNERSHIP, CLEVELAND WILL ONCE AGAIN BE KNOWN AS THE FOREST CITY

GOAL 1: Recognize Trees as Critical Community Infrastructure

GOAL 2: Reverse the Trend of Canopy Loss

GOAL 3: Assume Full Stewardship for the Tree Infrastructure

ACTION 1	Establish a Unified Voice, Formalize Partnerships
ACTION 2	Develop and Implement an Outreach and Education Strategy
ACTION 3	Develop and Implement a Funding Plan
ACTION 4	Complete a Tree Inventory
ACTION 5	Develop and Implement a Management Plan
ACTION 6	Conduct an Operational Review
ACTION 7	Establish a Canopy Goal
ACTION 8	Institute Policy Changes
ACTION 9	Plant with a Purpose

2016

SUSTAINABLE CLEVELAND 2019

NOACA

COMMUTER CHOICE CHALLENGE