



WELCOME
ONEWATER COMMITTEE
- Grab Lunch -

Items from last month's meeting:

- Discussed rate methodology for a stormwater utility
- Explored possible credits and incentives

Sample Monthly Residential Rates

- MS4 Program = \$12.8 million
- DRAFT monthly bill range based on:
 - 2,600 SF impervious area parcel
- Average residential monthly stormwater bill: \$9–\$13
 - If bill includes CSO Operations & Maintenance (O&M): \$14–\$18
 - If bill includes CSO O&M and Capital: \$24–\$30

**Disclaimer: There are many factors affecting the fee assessment.
The figures shown are for discussion purposes and are not a finalized rate.**

Parking lot topics:

- Question about impervious vs. pervious parcels
 - 37% of Peoria is impervious
 - 25% of every lot is impervious
- Key users will be approached for one-on-one meetings

Disclaimer: There are many factors affecting the fee assessment. The figures shown are for discussion purposes and are not a finalized rate.

Sample Monthly Business Rates

STORMWATER ONLY (NO CSO)		Parcel	Impervious	Rounded Numbers	
		SF	SF	Low	High
Large	Car Dealership	135,504.6	106,988.9	\$419.00	\$479.00
Medium	Fast Food Restaurant	53,085.6	39,886.1	\$156.00	\$179.00
Small	Small Shop (No Parking Lot)	2,310.9	2,005.9	\$8.00	\$9.00
STORMWATER + CSO MAINTENANCE		Parcel	Impervious	Rounded Numbers	
		SF	SF	Low	High
Large	Car Dealership	135,504.6	106,988.9	\$449.00	\$514.00
Medium	Fast Food Restaurant	53,085.6	39,886.1	\$168.00	\$191.00
Small	Small Shop (No Parking Lot)	2,310.9	2,005.9	\$8.00	\$10.00
STORMWATER + CSO CAPITAL + MAINTENANCE		Parcel	Impervious	Rounded Numbers	
		SF	SF	Low	High
Large	Car Dealership	135,504.6	106,988.9	\$839.00	\$960.00
Medium	Fast Food Restaurant	53,085.6	39,886.1	\$313.00	\$358.00
Small	Small Shop (No Parking Lot)	2,310.9	2,005.9	\$16.00	\$18.00

What is the **INNOVATION TEAM** (i-team)?

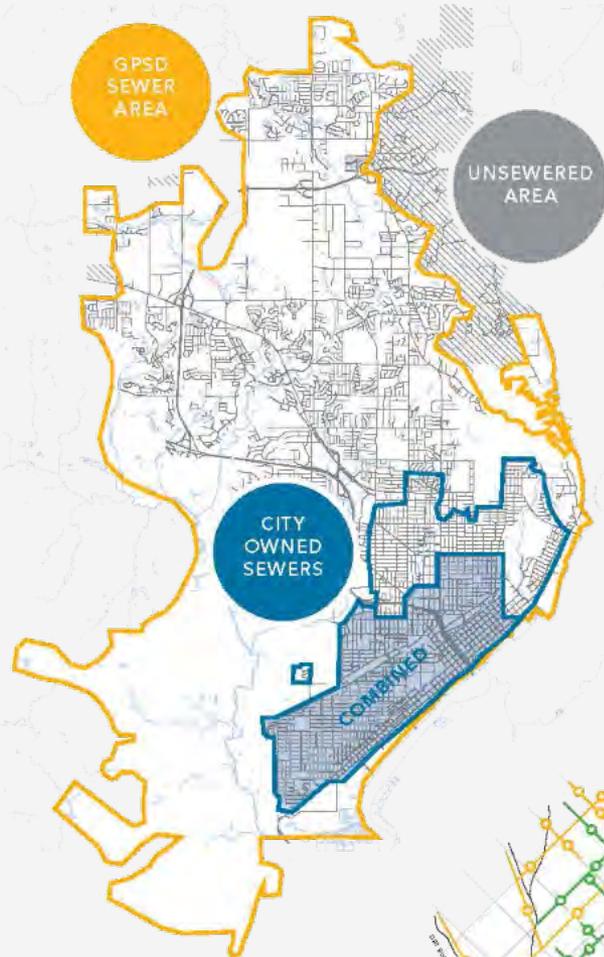
- Serves as in-house innovation consultant
- 100% focused on bringing new approaches to bear on a defined priority
- Coordinates across departments and functions; develops partnerships
- Innovation teams are *not* responsible for direct implementation

THE FOUR STEPS OF THE INNOVATION DELIVERY APPROACH



- Bloomberg Philanthropies

RECAP – COMBINED SEWER AREA

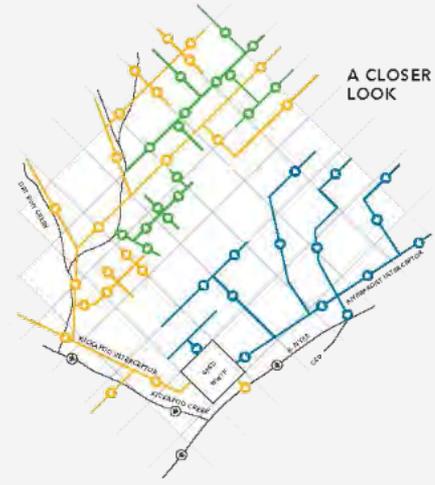


PEORIA SEWER OVERFLOW LOCATIONS:

The dots on the map show where sewers may overflow during wet weather.

Due to sewer improvements completed in the 1990s, some of these overflow pipes are inactive. During a typical rainfall, overflows occur at an average of five locations.

– City of Peoria CSO Public Outreach Education Handout, 2009



-  GPSD SANITARY SEWER
-  PEORIA STORM SEWER
-  PEORIA COMBINED SEWER

100% **GREEN** INFRASTRUCTURE

Other cities are using green infrastructure as part of their CSO plans.
PEORIA CAN DO EVEN MORE.



RAIN GARDENS



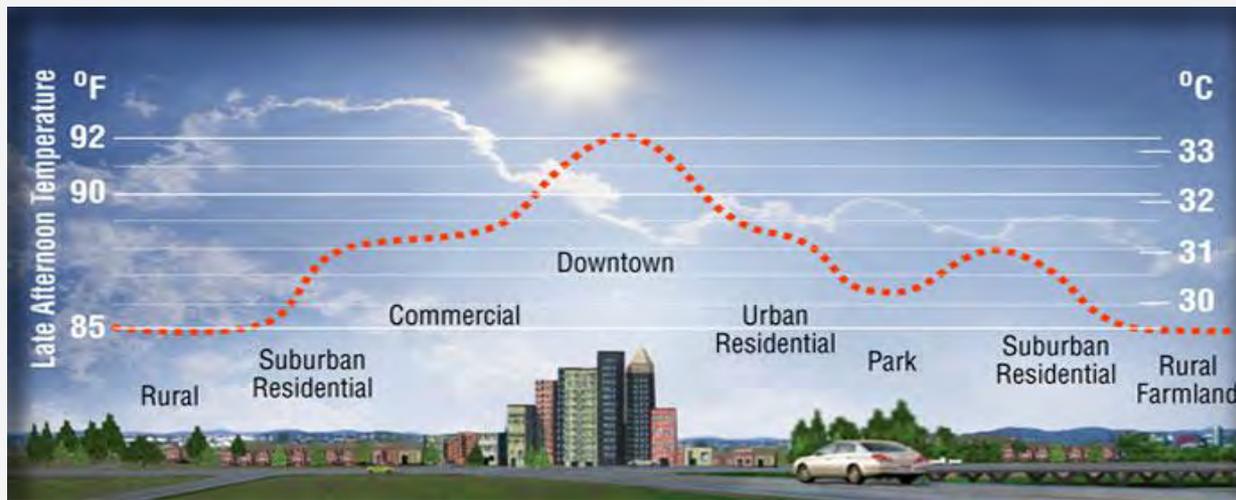
BUMPOUTS



GREEN ALLEYS

How can using green infrastructure **SAVE** money?

- Reduced water treatment costs
- Deferred or avoided capital investments
- Improved infrastructure lifecycle and performance
- Reduced regulatory violations (e.g., fines for CSOs, air quality violations, etc.)
- Reduced energy (heat island reduction) and resource use
- Reduced waste



- Lawrence Berkeley National Laboratory



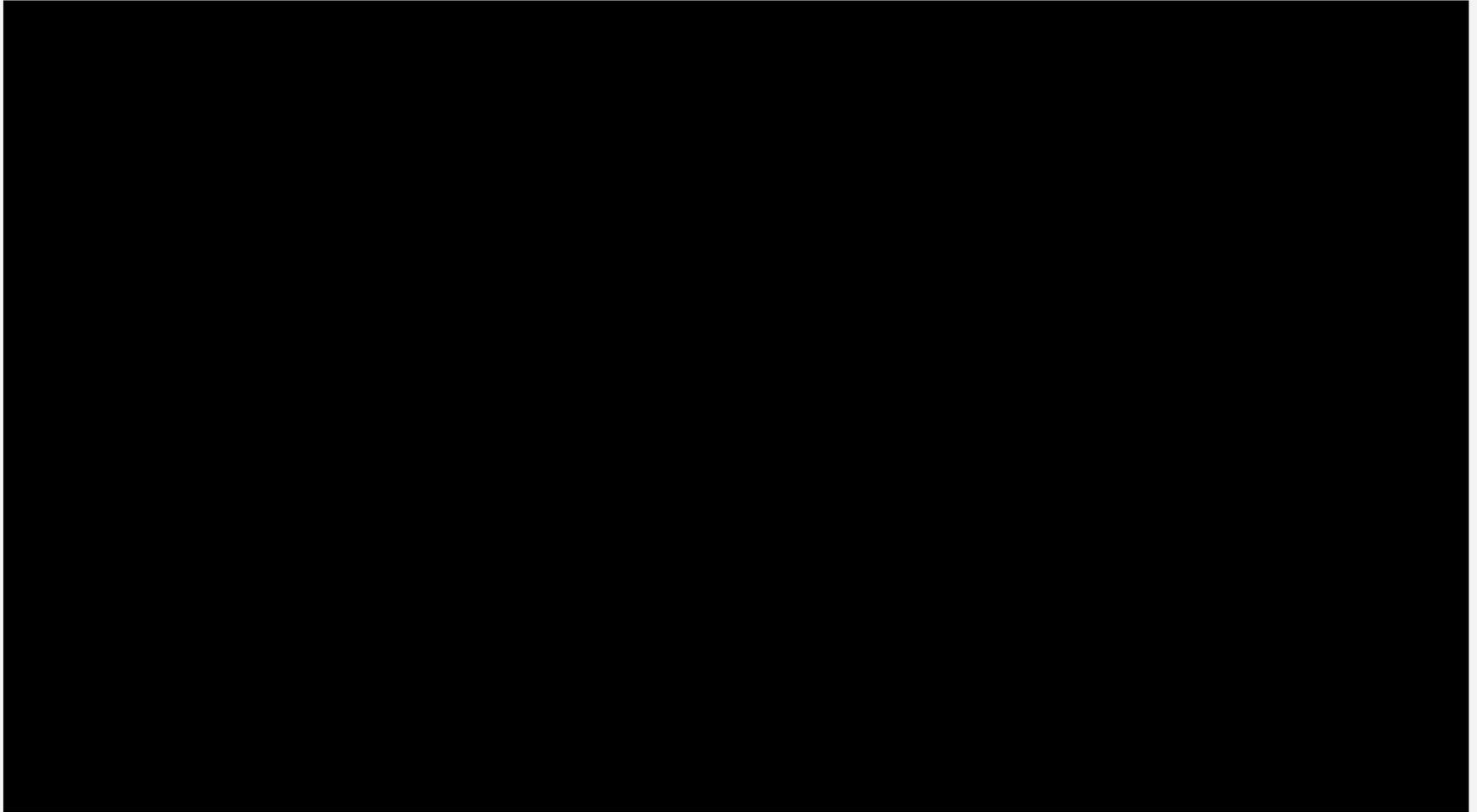
- Metropolitan Milwaukee Sewerage District (Sean Foltz)

Green infrastructure technologies can improve infrastructure lifecycle and performance.



CO-BENEFITS OF GREEN INFRASTRUCTURE

Food for **THOUGHT**...



In addition to keeping stormwater out of our sewers, green infrastructure provides opportunity for additional **COMMUNITY BENEFITS** including...



Connections Between
People and Places



Ecological **Health**
and **Productivity**



Safe and Accessible
Transportation Infrastructure



Local Jobs and
Workforce Training



Crime Mitigation



Neighborhood-Scale
Economic Development



Public **Health and Wellness**

How could green infrastructure **CONNECT PEOPLE AND PLACES?**

- Creating physical connections between social infrastructure and public amenities such as schools, museums, community centers, places of worship, grocery stores, medical offices, fitness centers, restaurants and parks
- Creating spaces that foster meaningful contact, provide community identity and draw a diverse population





A Linear Park to Connect Cultural Amenities
Indianapolis Cultural Trail



An Outdoor Classroom / Learning Landscape
Glencoe Elementary (Portland, Oregon)



An Outdoor Classroom / Learning Landscape
Mount Tabor School (Portland, Oregon)



A Vacant Lot Strategy for Neighborhood Stabilization
247 Mass. Ave. (Buffalo, NY)



How could green infrastructure allow us to improve **MOBILITY** and **TRANSPORTATION**?

- Creating **SAFE, ACCESSIBLE AND COMFORTABLE** routes for getting from place to place (e.g., safe routes to school, complete streets)
- Creating public spaces that:
 - serve to manage stormwater
 - beautify streets and neighborhoods
 - accommodate all users



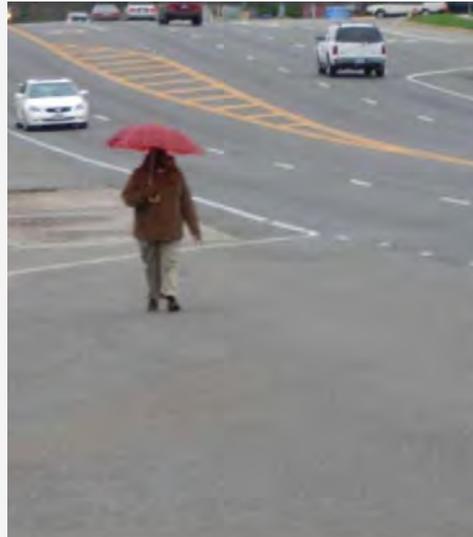
What is a **COMPLETE STREET**?



“Complete Streets are streets for everyone, no matter who they are or how they travel.”

- Smart Growth America

An **INCOMPLETE STREET** is...



- Smart Growth America

How could green infrastructure **REDUCE CRIME?**

- Create landscape designs that:
 - maintain sight lines
 - define public and private spaces
 - control access
 - calm
 - mentally restore and inspire
 - encourage learning, inquisitiveness and alertness
 - encourage residents to spend time outside interacting and building stronger community ties (e.g., pocket parks, community gardens)

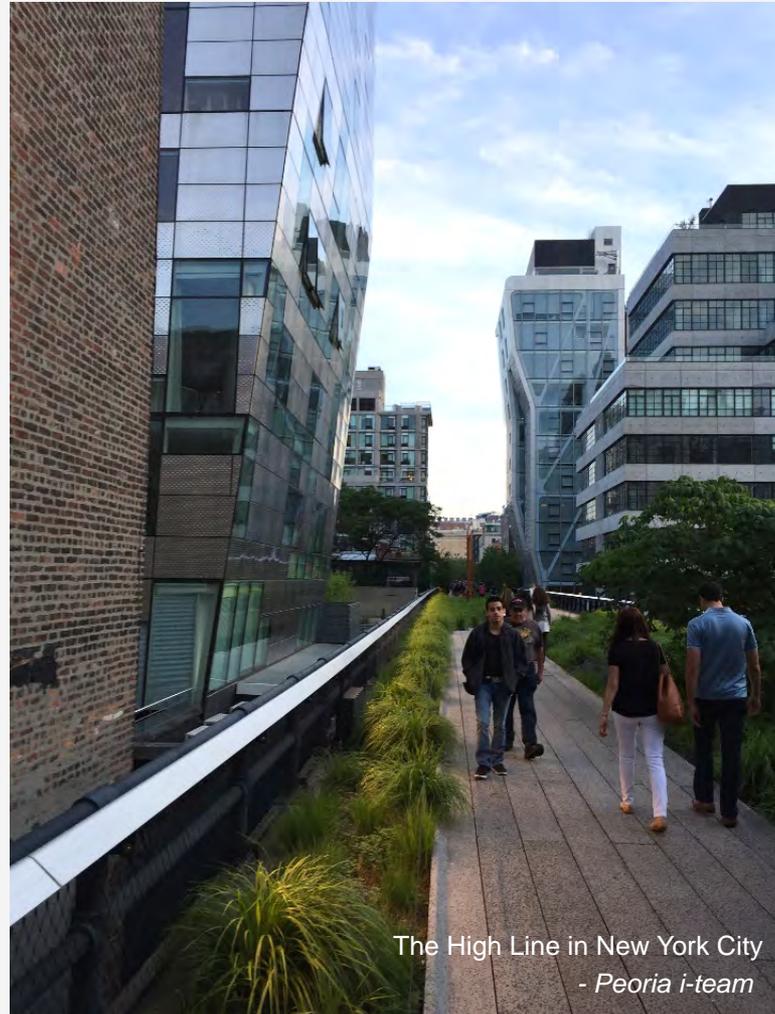




- Beyond My Ken

This urban park uses low-rising plants to both absorb water and maintain visibility along the path.

Crime Prevention Through Environmental Design (CPTED) in Public Spaces

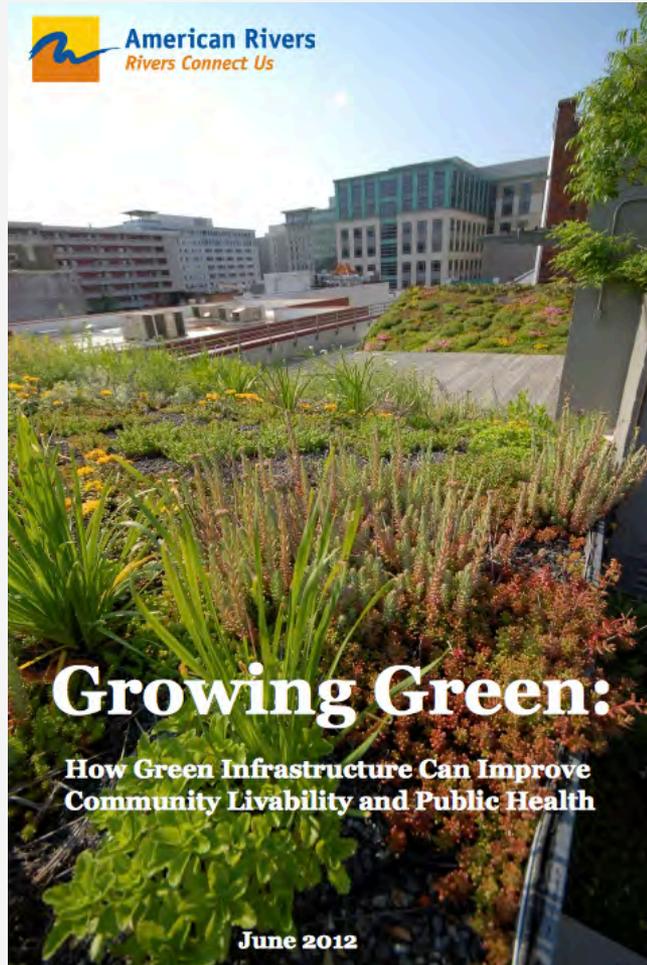


The High Line in New York City
- Peoria i-team

What are common **HEALTH** benefits of exposure to green infrastructure?

- Promotes recreation, fitness and healthy lifestyle choices
- Opportunity for improved access to healthy, fresh and whole foods through local production (e.g., community gardens)
- Increases productivity and well-being
- Reduces illness and premature death
- Strengthens community social bonds and associated health outcomes





Benefits of Green Infrastructure
A Large and Growing Body of Evidence

What are some of the **ECOLOGICAL** benefits of green infrastructure?

- Improves air and water quality
- Provides wildlife habitat and migratory corridors
- Restores natural hydrologic function (slows, cools, cleanses and recharges groundwater)
- Reduces negative impacts of construction





“Tanner Springs Park provides a nice oasis to relax and gather your thoughts.”

- Yelp Review



“The park is special because it holds onto some of the amazing history and ecology of the past and present.”

- Yelp Review

Native Landscaping & Restored Hydrology
Tanner Springs Park (Portland, Oregon)



- Peoria i-team

Streetscape Green Infrastructure Projects
 Mimic Natural Hydrology (Portland, Oregon)



Streetscape Green Infrastructure Projects
Mimic Natural Hydrology (Portland, Oregon)



Streetscape Green Infrastructure Projects
Mimic Natural Hydrology (Portland, Oregon)

How could a green infrastructure solution provide **WORKFORCE TRAINING** and **JOB** opportunities?

- Provides a scale and scope of design and construction work that can be met by local companies
- Creates a demand for workforce training and education to build capacity for public and private sector jobs



A focus on building **LOCAL** capacity



**Peoria Staff meeting with a PowerCorps PHL
Green Infrastructure Maintenance Crew**

What are the **ECONOMIC DEVELOPMENT** impacts of implementing a comprehensive green infrastructure plan?

- The previously listed co-benefits lead to:
 - reinvestment
 - increased economic activity, including tourism, for nearby businesses
- Green infrastructure in public rights-of-way and on vacant/blighted lots can:
 - increase surrounding property values
 - reduce noise pollution from roadways, airports and train tracks
 - improve quality of life, making neighborhoods — and the city as a whole — more desirable to live in



The Economic Impact of the Indianapolis Cultural Trail

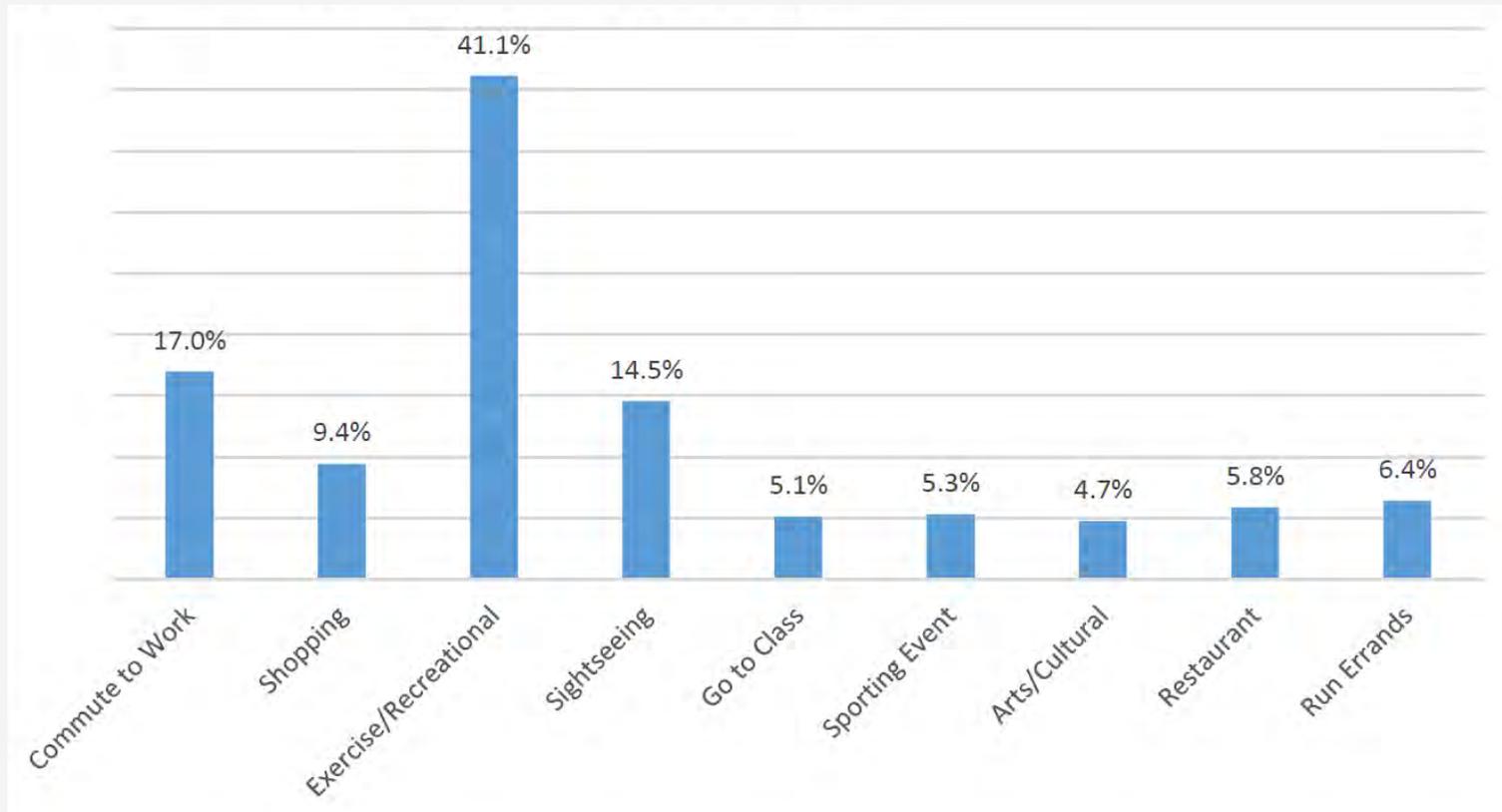
Property values have increased along/near the Trail by over \$1 BILLION.

- Analyzed parcels within 500 feet of the entire Cultural Trail
- Examined values from 2008 to 2014
- 25 properties accounted for 68% of this increase
 - Included a mix of commercial, residential, and lodging establishments, including some of the largest downtown property and development projects.

- "Assessment of the Impact of the Indianapolis Cultural Trail: A Legacy of Gene and Marilyn Glick," Indiana University Public Policy Institute, March 2015

The Indianapolis Cultural Trail

Trail User Survey Respondents by Activity, 2014



- "Assessment of the Impact of the Indianapolis Cultural Trail: A Legacy of Gene and Marilyn Glick," Indiana University Public Policy Institute, March 2015



NEIGHBORHOOD-SPECIFIC PRIORITIES

How would you prioritize the **COMMUNITY BENEFITS** in your neighborhood?

Let's look at the neighborhoods in the CSO area:

- South Peoria (Southside)
- Downtown
- North Valley
- East Bluff
- West Bluff

Activity:

1. Make sure your group has a map, a co-benefits list and neighborhood attributes sheet.
2. Appoint a spokesperson.
3. Discuss and pick 3 top co-benefits for each neighborhood listed.
4. Report out and share your reasoning with the entire OneWater Committee.



ENGAGING THE PUBLIC

SAVE THE DATE for the **GLOBAL CITY NETWORK!**

Global City Network

Friday October 2nd 2015

Peoria Riverfront Museum Auditorium (Lower Level)

Public Session - Keynote Presentations and Expert Panel

12:00pm – 2:00pm

Contact the Peoria i-team for more information

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THANK YOU!

NEXT MEETING IS OCT. 21