

Portland CSO Basin

Advanced Design Meeting

Neighborhood House

06.14.2016



What We Will Talk About Tonight

1. Why We Are Here
2. Public Outreach Process
3. Portland CSO Basin Project
4. Getting to Know You
5. Public Input Summary
6. Feedback



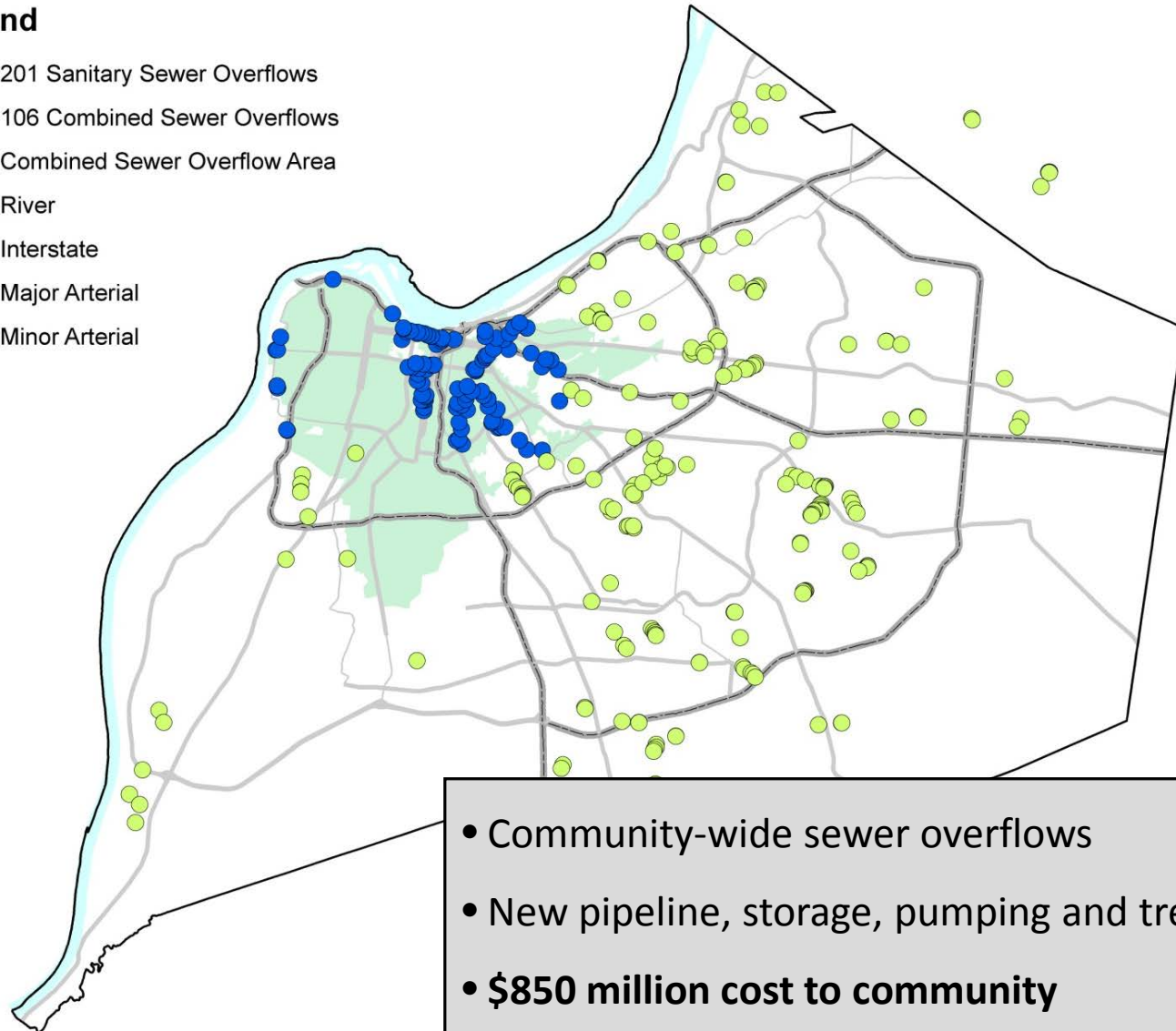
1. Why We Are Here



Sewer Overflow Locations (2008)

Legend

- 201 Sanitary Sewer Overflows
- 106 Combined Sewer Overflows
- Combined Sewer Overflow Area
- River
- Interstate
- Major Arterial
- Minor Arterial

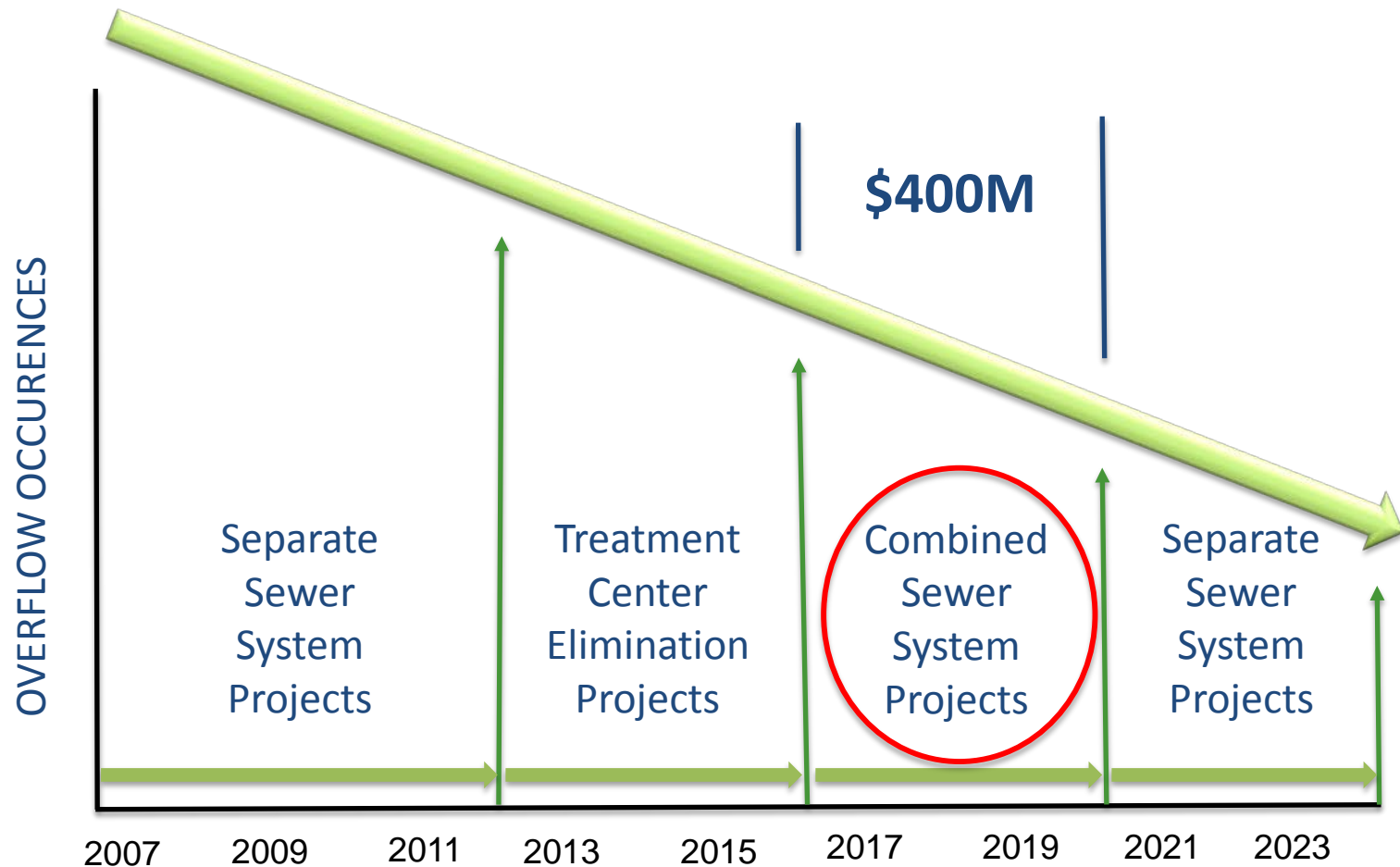


- Community-wide sewer overflows
- New pipeline, storage, pumping and treatment
- **\$850 million cost to community**

CSO Storage Basins per Consent Decree



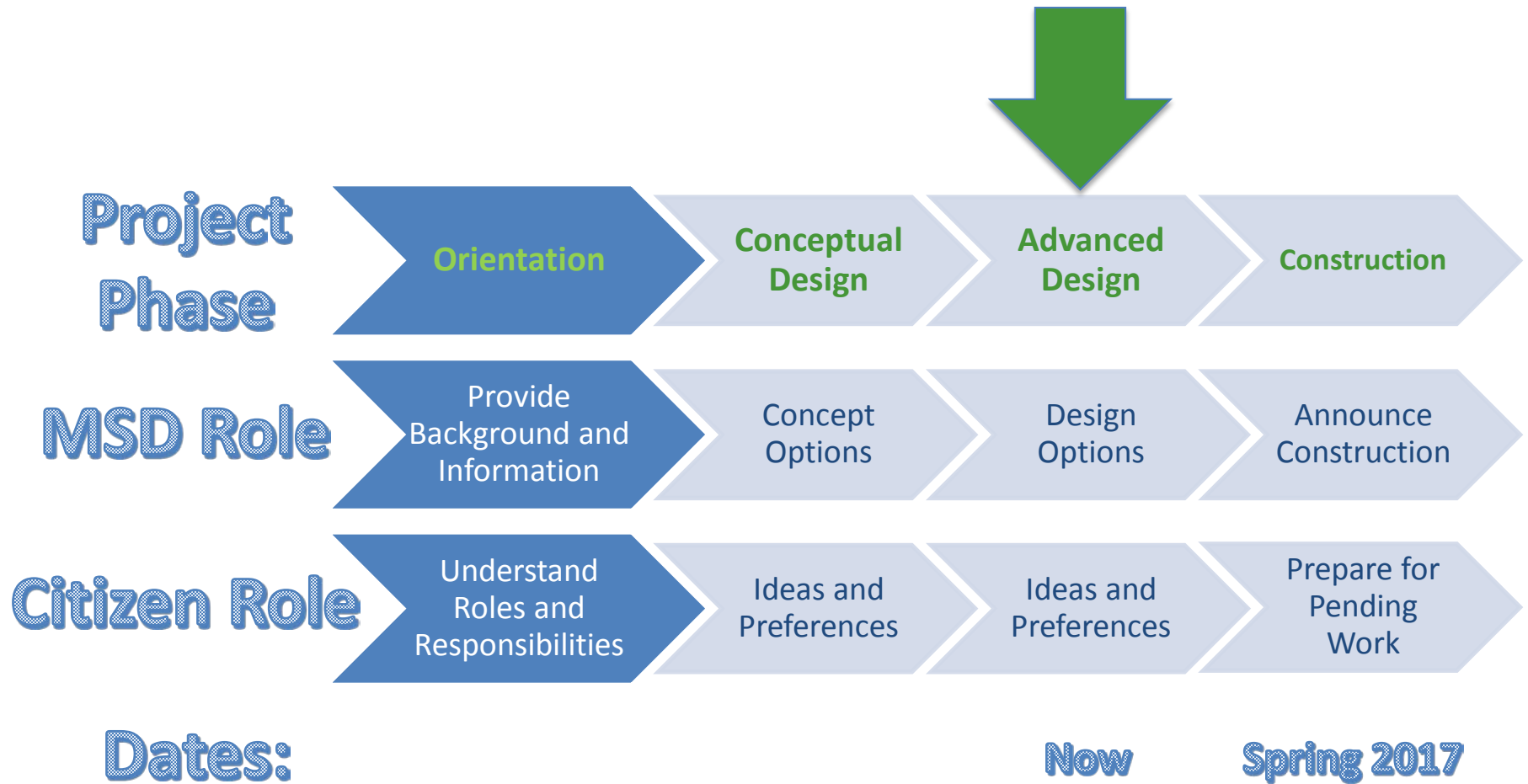
Consent Decree Program Status



2. Public Outreach Process



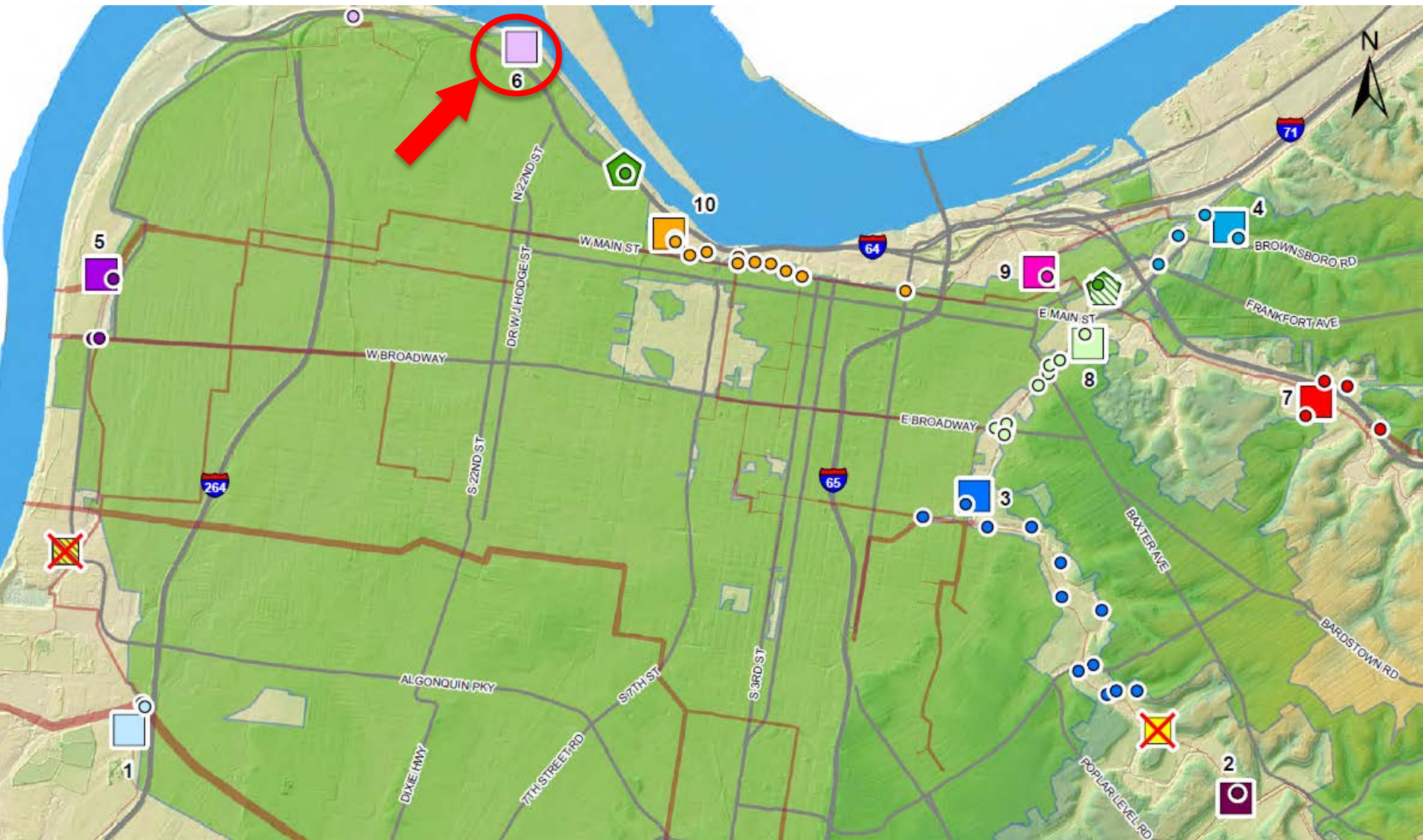
Project Phases and Roles



3. Portland CSO Basin Project

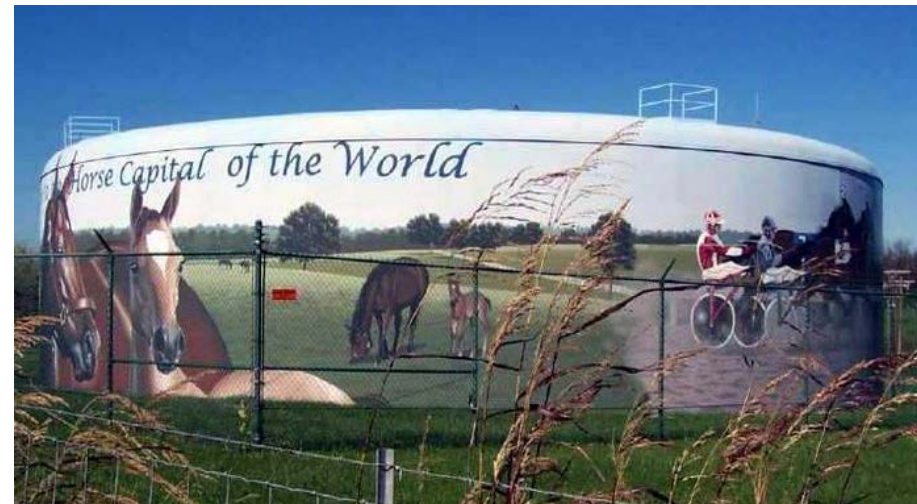
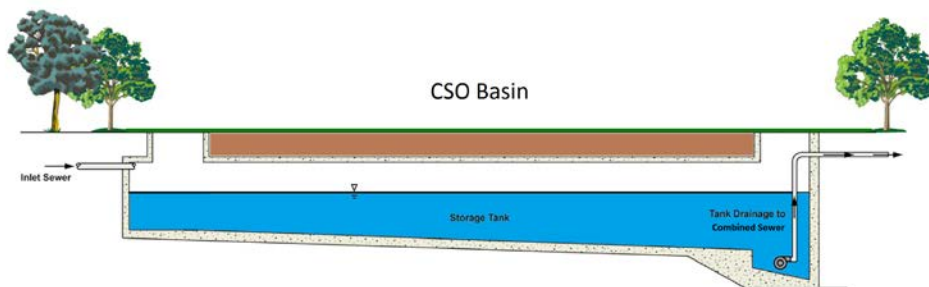


CSO Storage Basins per Consent Decree



What is a CSO Basin?

- A CSO Basin provides temporary storage for wet weather overflows that would otherwise flow directly to creeks, streams and rivers
- Released back into the collection system for treatment when system capacity is available



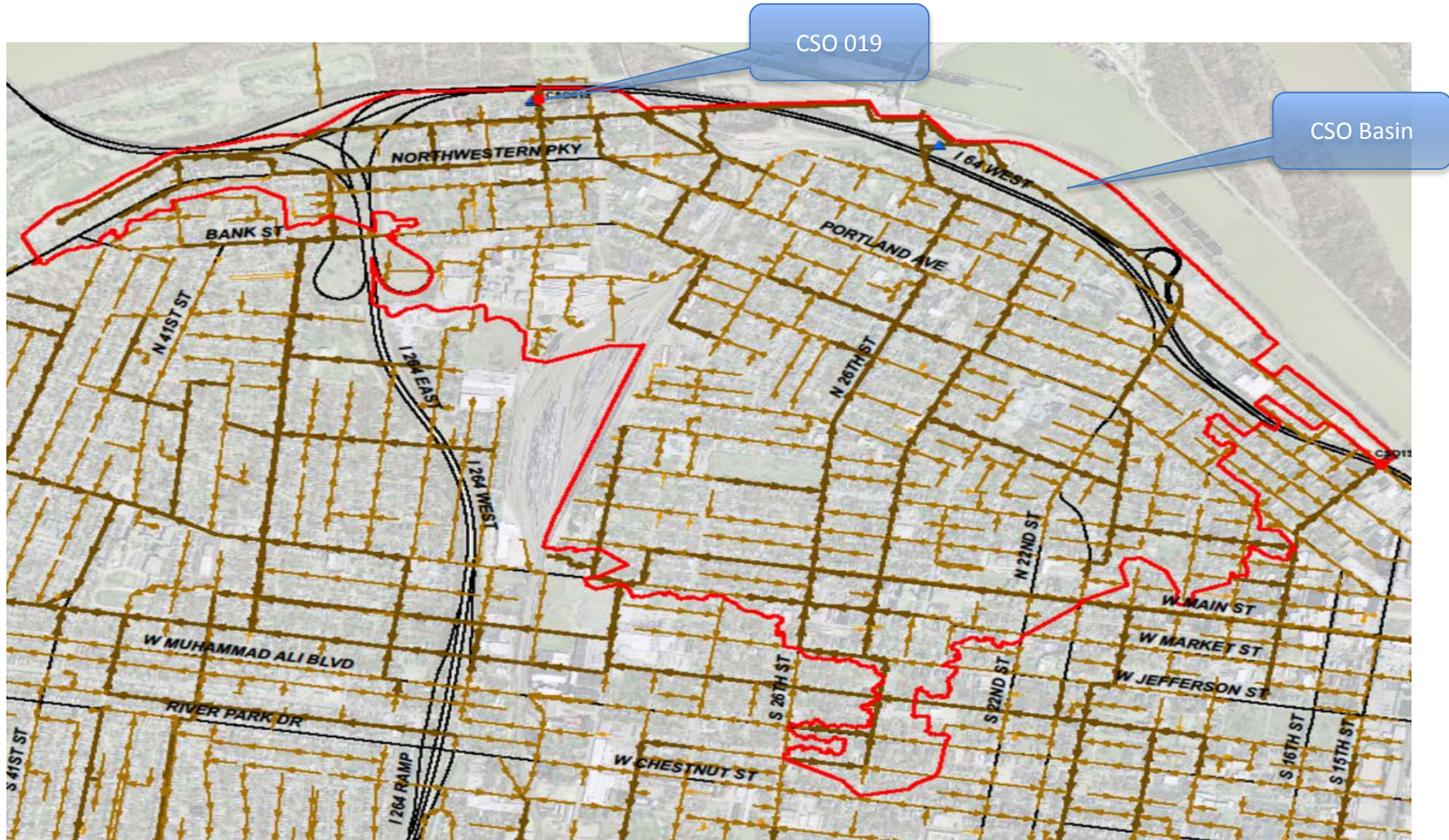
Frequently Asked Questions

- Will it create potential for back-ups?
 - No, the high-water elevation will be below basement elevations
 - Also will not eliminate the potential of back-ups
- What happens when the basin is full?
 - The system will function as it does today with the overflows being discharged to South Fork Beargrass Creek
- Will this project reduce flooding?
 - The basin will increase capacity of the combined sewer system during wet weather events
- Will the basin be visible?
 - No; underground, covered facility
 - There will be a control building and a screened generator
 - Access points/hatches may be visible

Frequently Asked Questions

- What about odor?
 - Highly diluted flow (mostly storm water)
 - Basin is underground and covered
 - Basin will be equipped with flushing equipment
 - Typically, odor control is not necessary with these types of facilities
 - MSD is being pro-active
 - Performing odor control monitoring/testing
 - Basin will be designed to accommodate a future odor control system

CSO 019 Drainage Area



Sewer Overflow Reduction

- CSO 019 Drainage Area
 - 850 Acres
 - 61 Overflows per Typical Year
 - 167 Millions Gallons per Typical Year
- CSO Basin Benefits
 - 8 Overflows per Typical Year (reduced from 61)
 - 86% Reduction in overflow occurrences
 - 6.7 Million Gallons of Storage Capacity
 - Underground and covered

Portland CSO Basin



Lannan Park



Existing Site Conditions



Existing Site Conditions



Proposed Site Layout



Proposed Site Layout



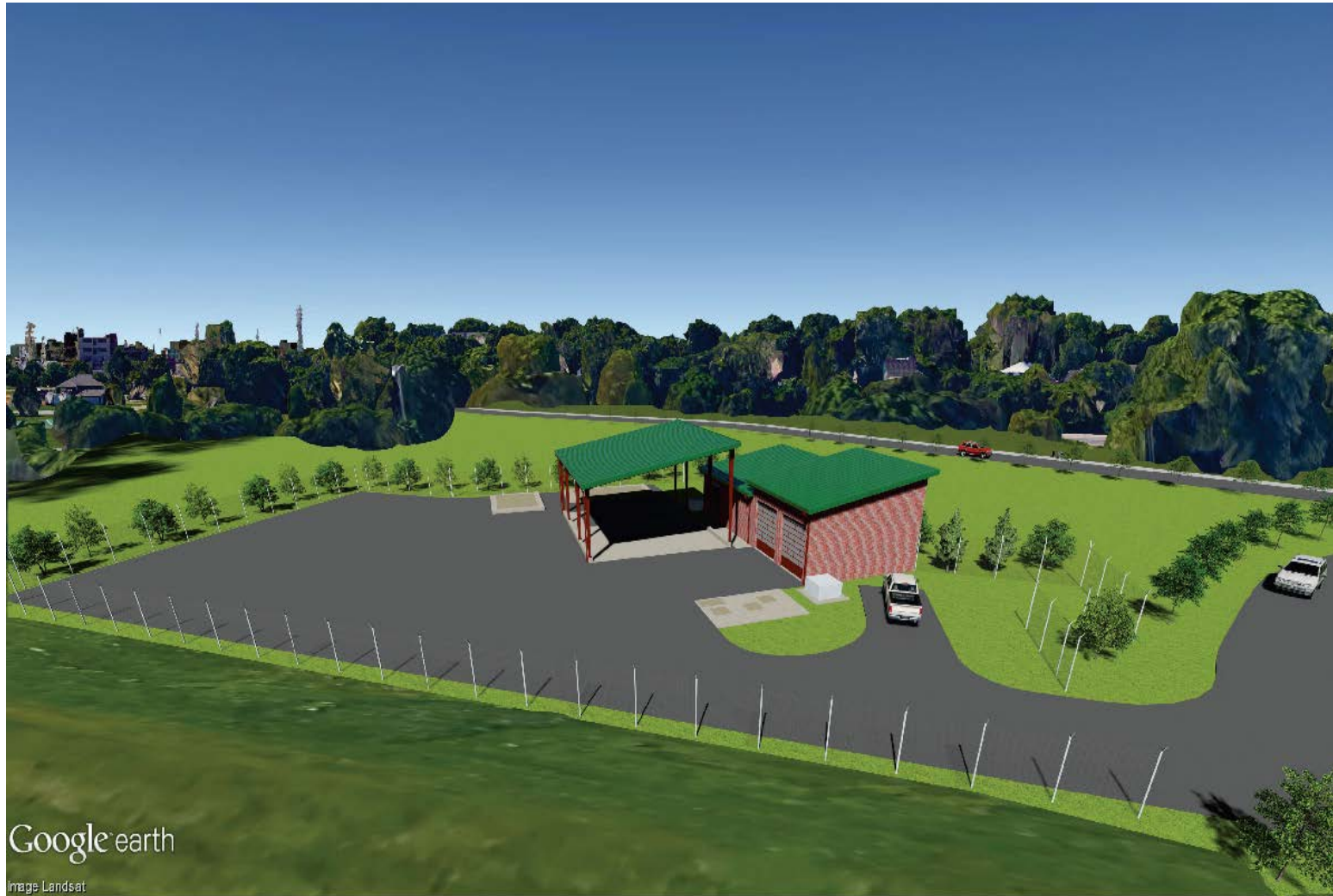
Proposed Rendering



Proposed Rendering



Proposed Rendering



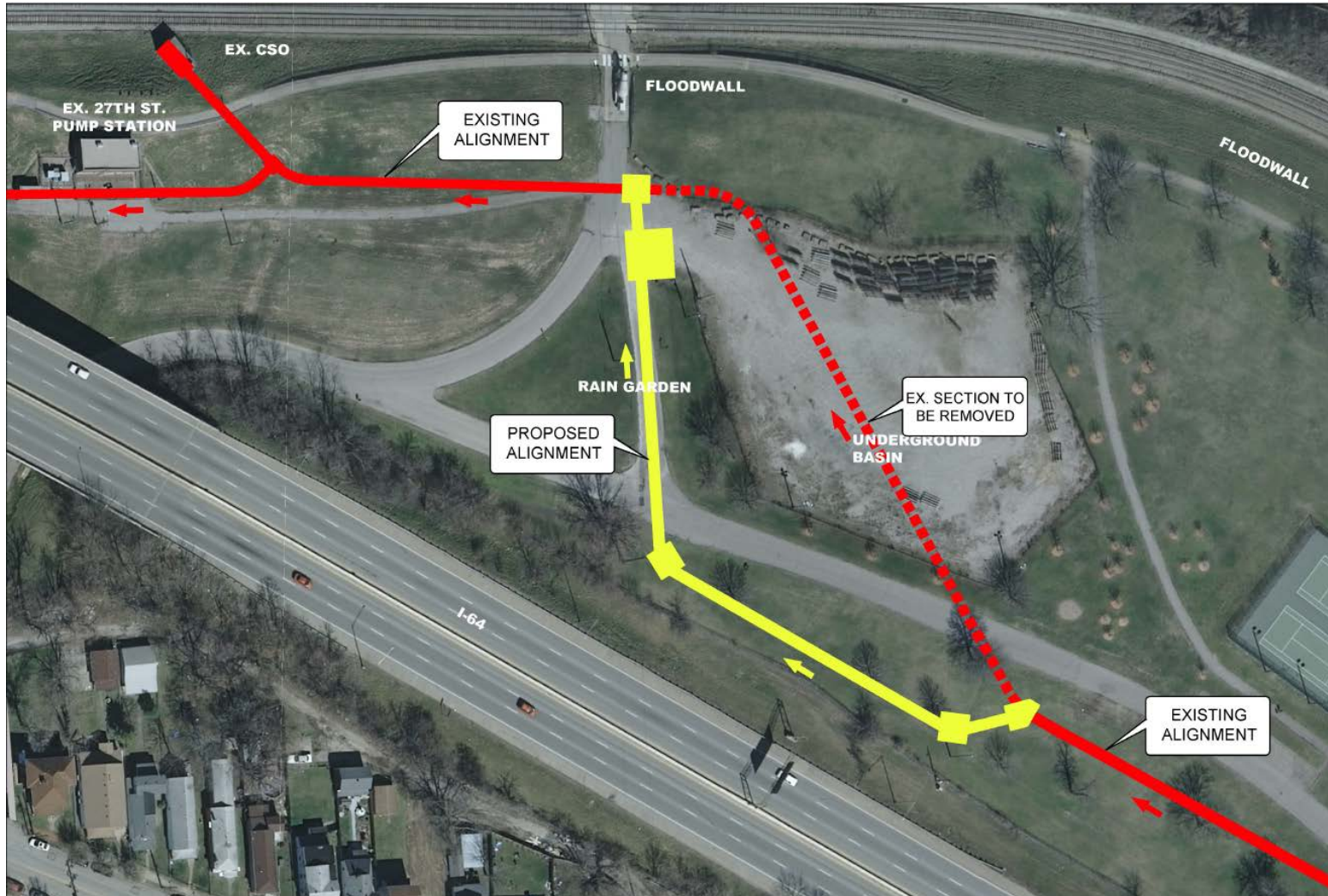
Portland CSO Basin Interceptor Relocation



Portland CSO Basin – Interceptor Relocation

- Existing Sewer
 - 7'-4" x 8'-6"
 - Beneath park
- Interceptor Relocation
 - Four (4) manhole structures
 - 650-feet of 96-inch diameter pipe
 - 800-feet of roadway relocation
 - 2,700-feet of sidewalk

Portland CSO Basin – Interceptor Relocation



Next Steps

- Finalize Advanced Project Design
- Continue Coordination with Agency Stakeholders
- Schedule
 - Pardon our Dust Meeting (Interceptor) September 2016
 - Construction Start (Interceptor) September 2016
 - Pardon our Dust Meeting (Basin) February 2017
 - Construction Complete (Interceptor) March 2017
 - Construction Start (Basin) March 2017
 - Construction Complete (Basin) November 2018
- **Consent Decree Deadline December 31, 2019**

4. Getting to Know You



Public Engagement Tools: “Clickers” and Online Polling

“Clickers” for Public Meetings

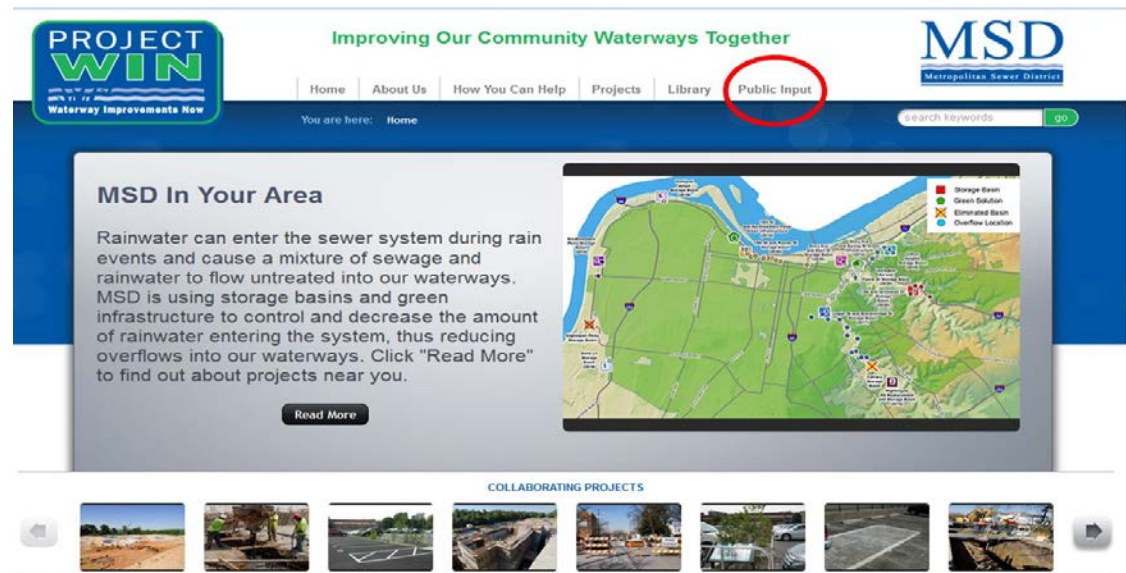
- Simple To Use
- Anonymous (No One Knows Your Answers)
- Simultaneous (We All See the Results At the Same Time)
- Equal Voice for All



Online Polling for Those Who Can't Attend Public Meetings

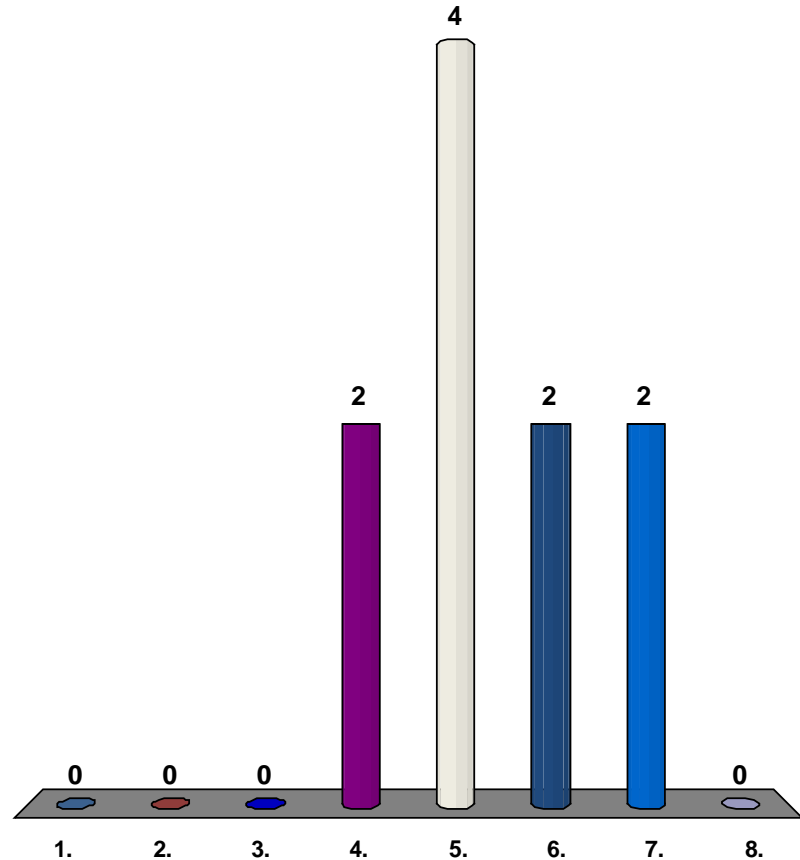
tinyurl.com/MSDPortland3

msdprojectwin.org



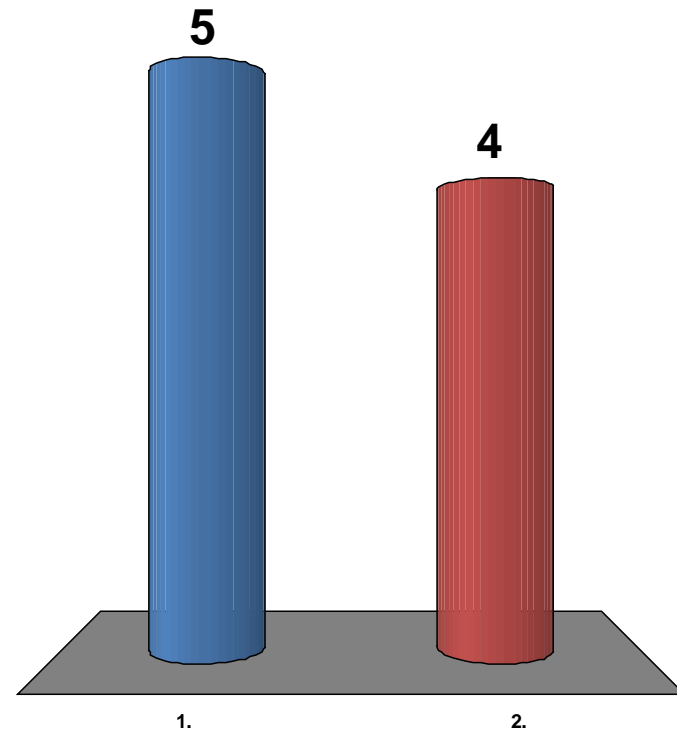
How Young Are You?

1. 0-19
2. 20-29
3. 30-39
4. 40-49
5. 50-59
6. 60-69
7. 70-79
8. 80+



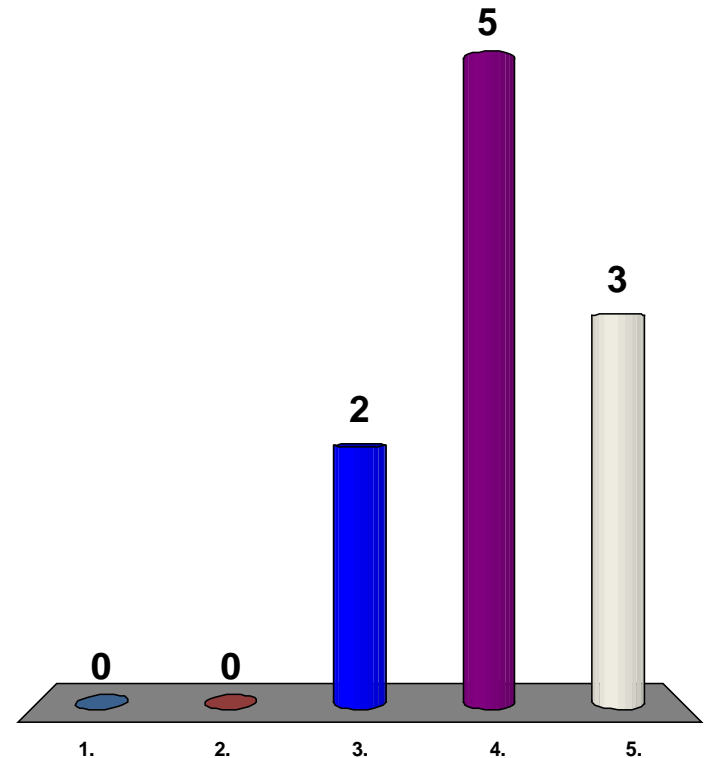
Gender?

1. Male
2. Female

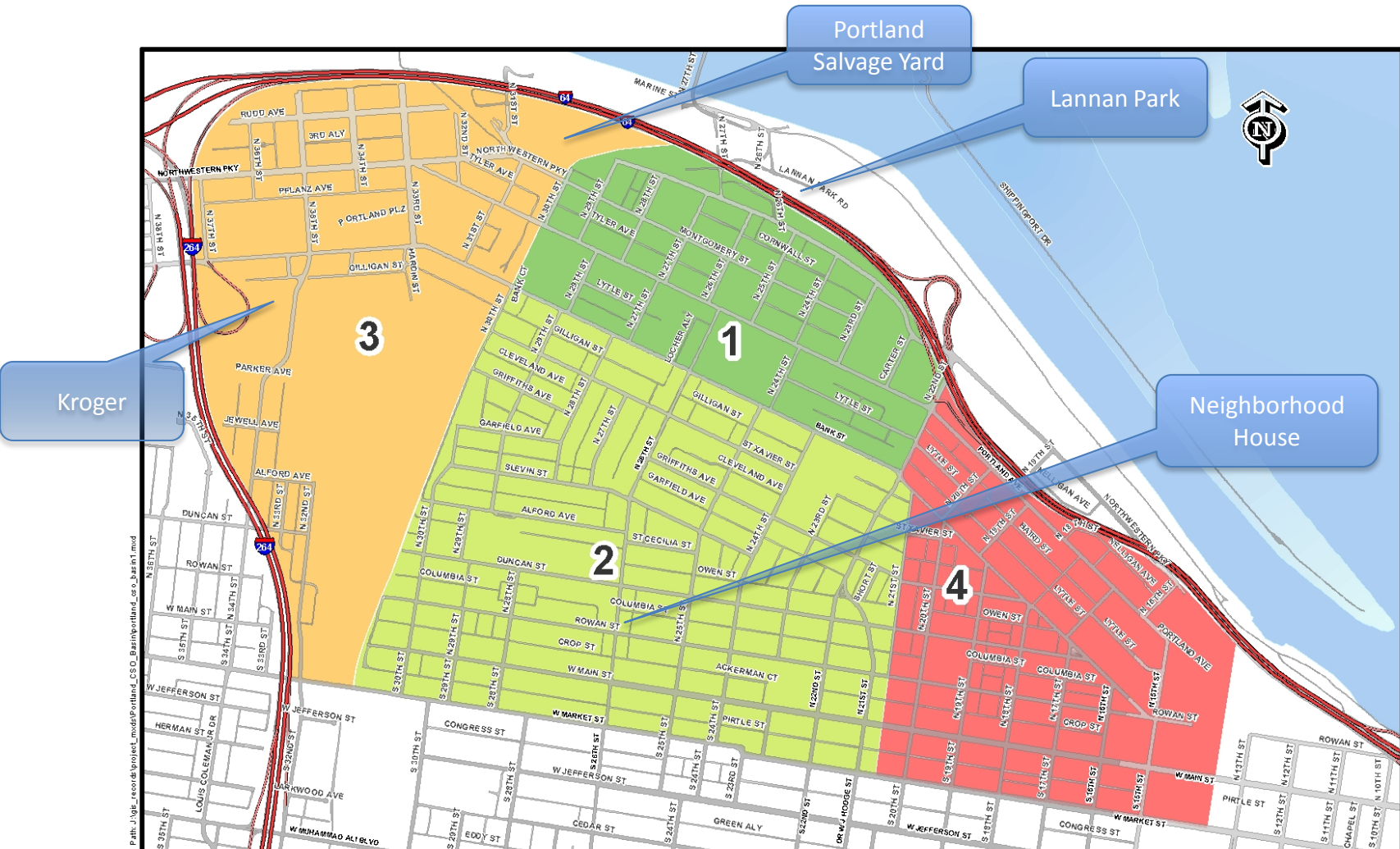


How long have you lived in the Portland Community?

1. Less than 5 Years
2. 5-9 Years
3. 10-19 Years
4. 20+ Years
5. Live Outside Portland

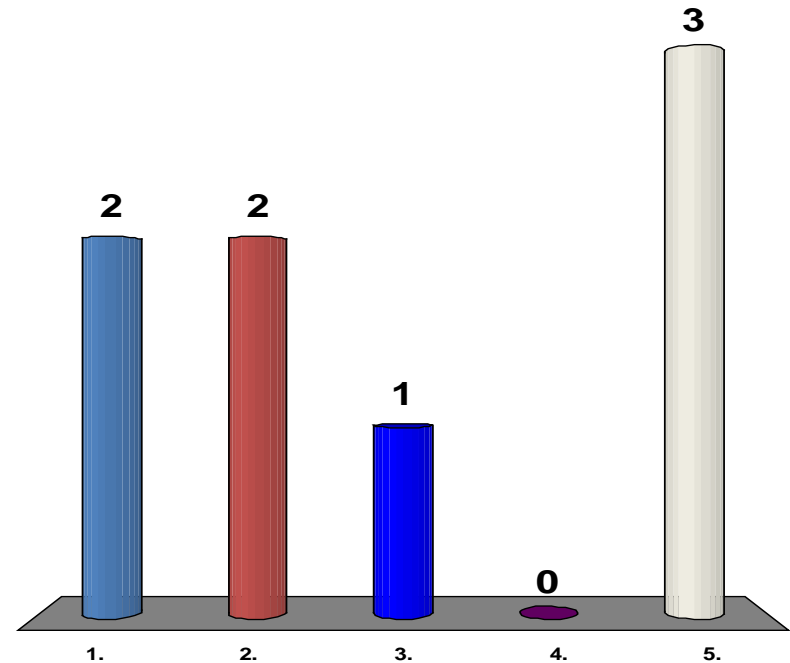


Where Do You Live?

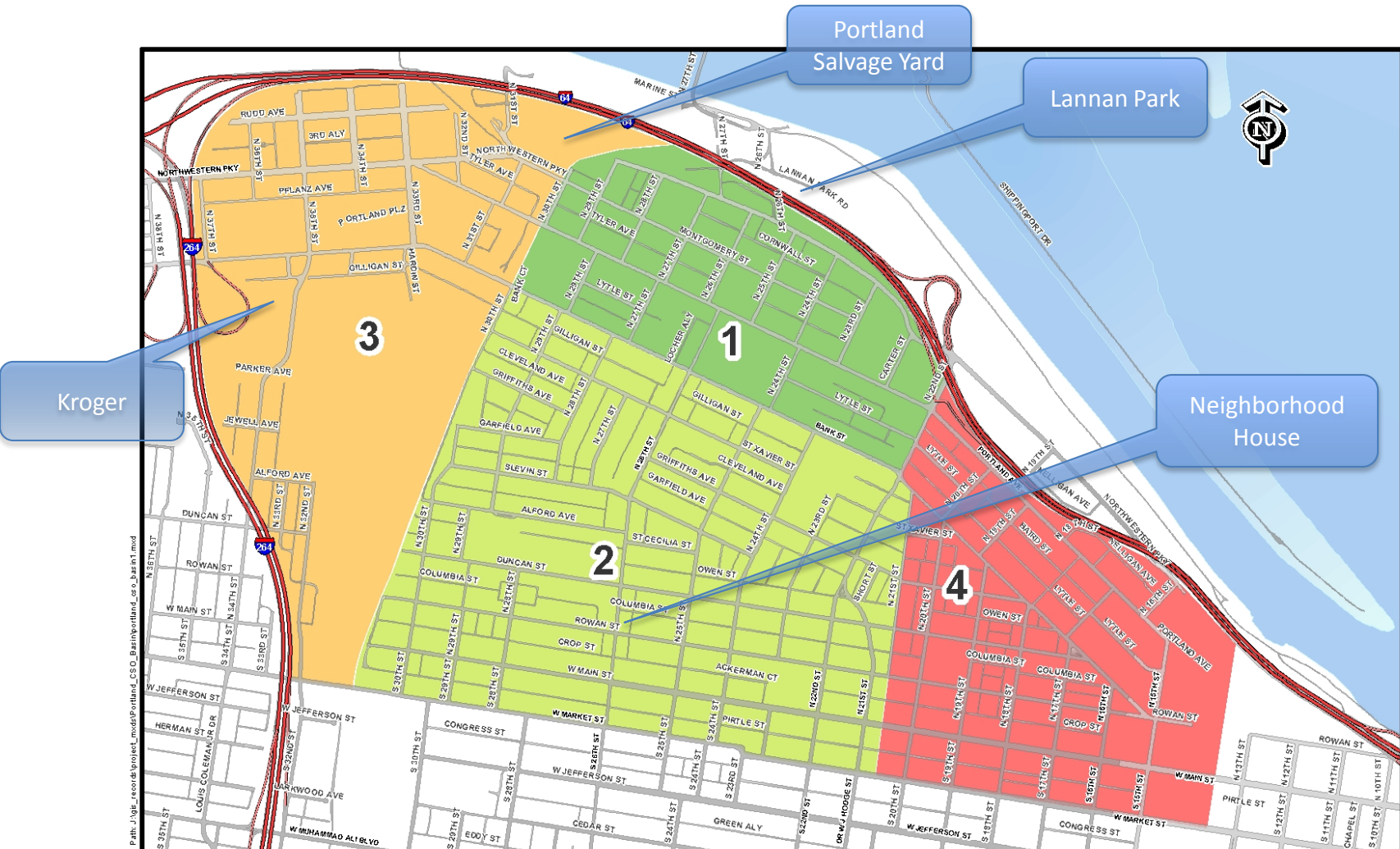


Where Do You Live?

1. Area 1
2. Area 2
3. Area 3
4. Area 4
5. Other

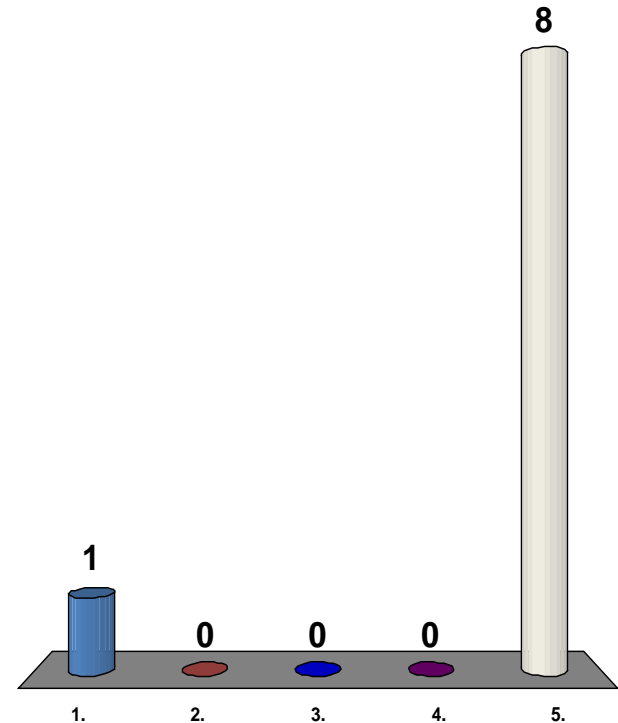


Where Do You Operate a Business?

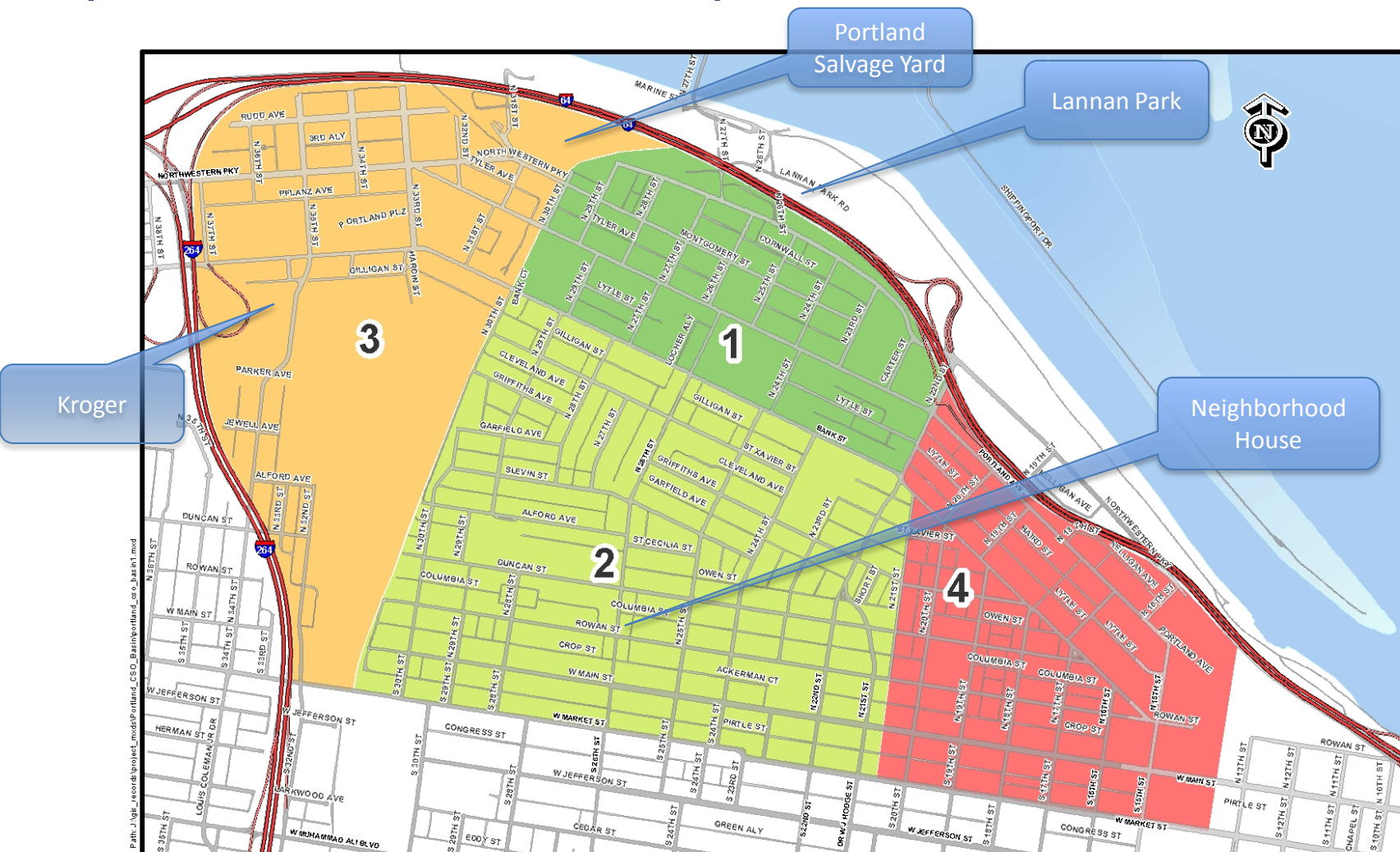


Where Do You Operate a Business?

1. Area 1
2. Area 2
3. Area 3
4. Area 4
5. Don't Operate a Business

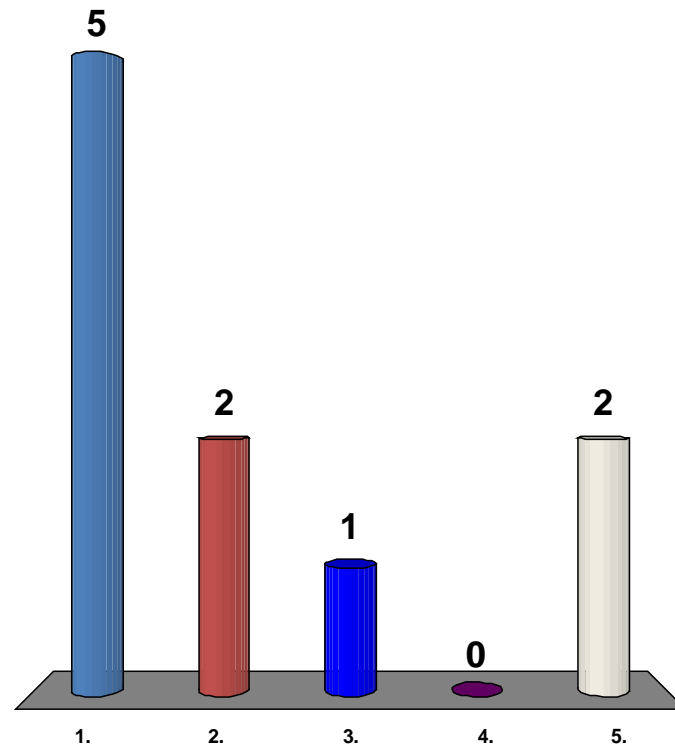


Where Do You Spend Your Days? (i.e. work, school, volunteer)



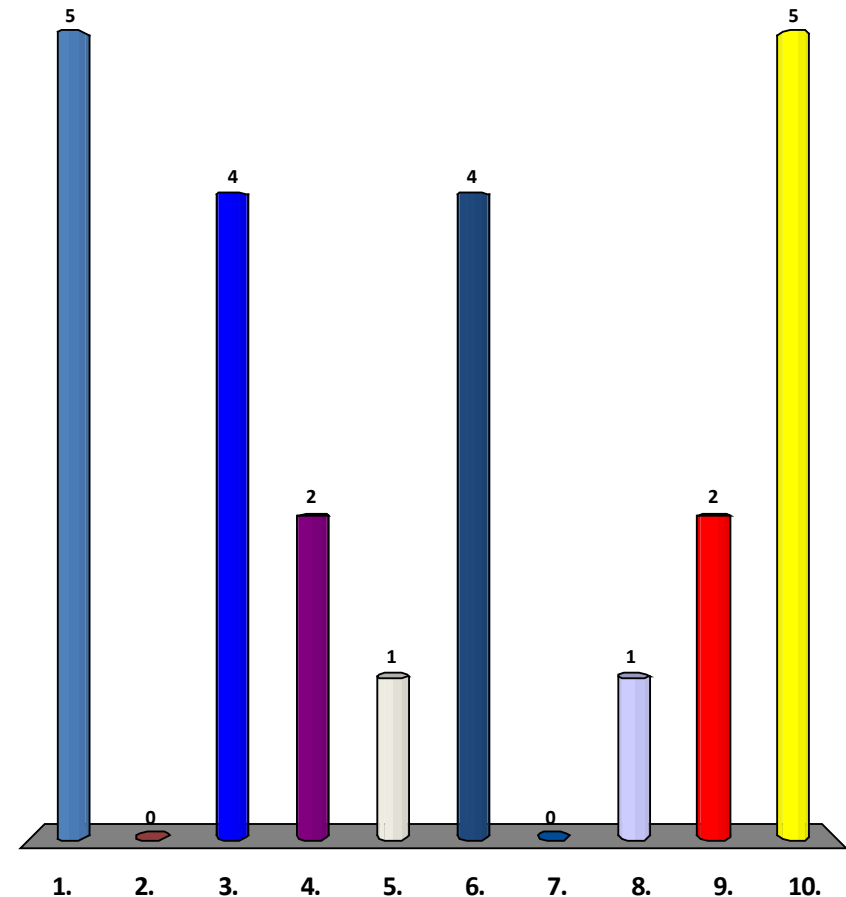
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4. Area 4
5. Other



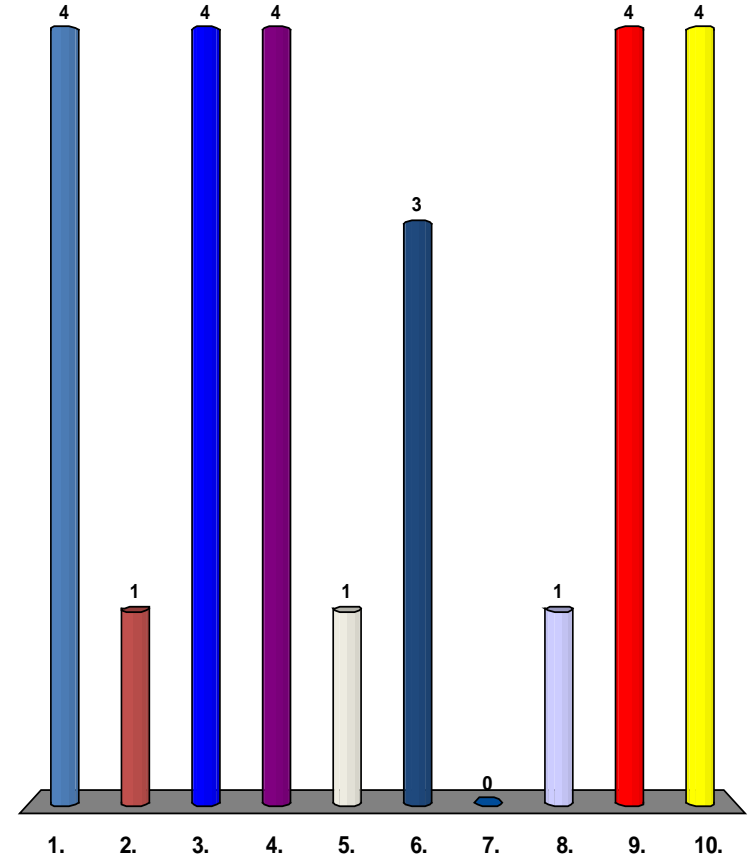
How Did You Hear About this Meeting? (4)

1. Post Card
2. Courier Journal
3. Metro Council District Newsletter
4. Neighborhood Association
5. Project WIN Website
6. MSD e-mail
7. @LouisvilleMSD (Twitter)
8. MSD Streamline Newsletter
9. Flyer
10. Word of Mouth



How Would You Like to Learn About MSD's Projects? (4)

1. Post Card
2. Mainstream Print / Broadcast Media
3. Metro Council District Newsletter
4. Neighborhood Association
5. Project WIN website
6. MSD email
7. @LouisvilleMSD (Twitter)
8. MSD Streamline Newsletter
9. Public Meetings
10. Metro TV Videos

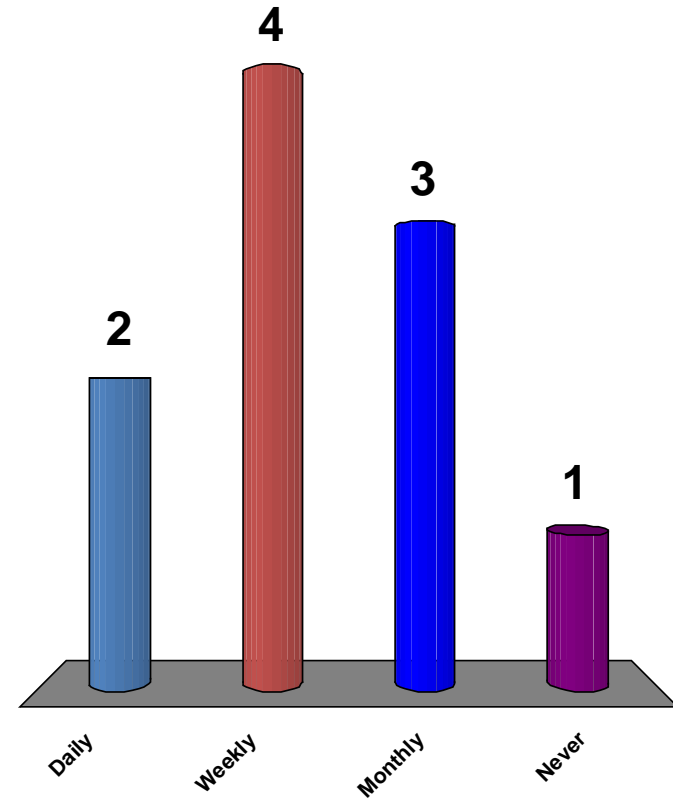


Lannan Park Feedback Purpose

- A Memorandum of Agreement (MOA) with Metro Parks is being prepared.
- Information gathered to inform Metro Parks of local usage and preferences.

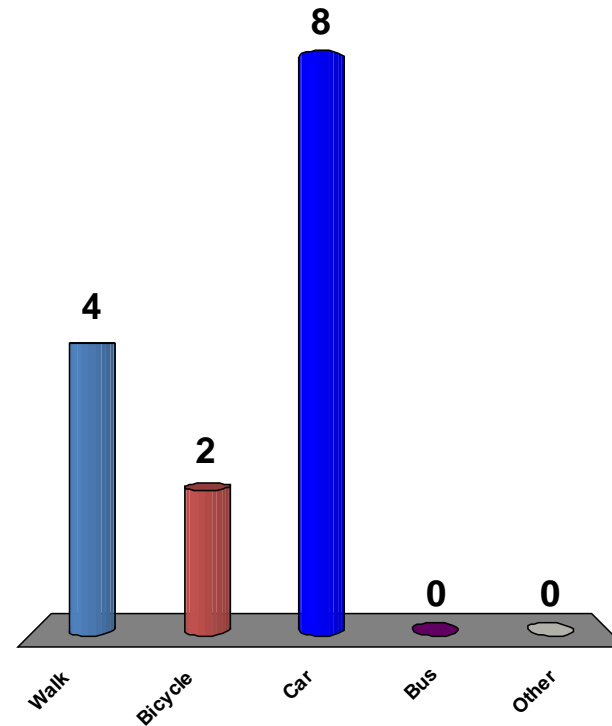
How often do you use the park?

1. Daily
2. Weekly
3. Monthly
4. Never



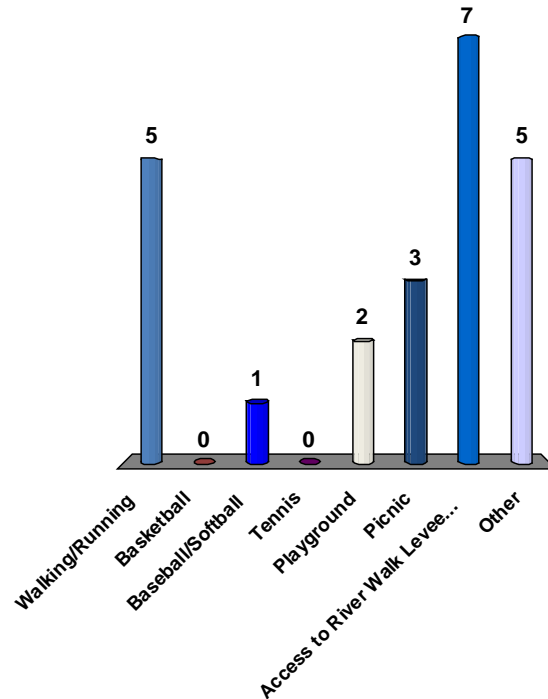
How do you get to the park? (up to 2)

1. Walk
2. Bicycle
3. Car
4. Bus
5. Other



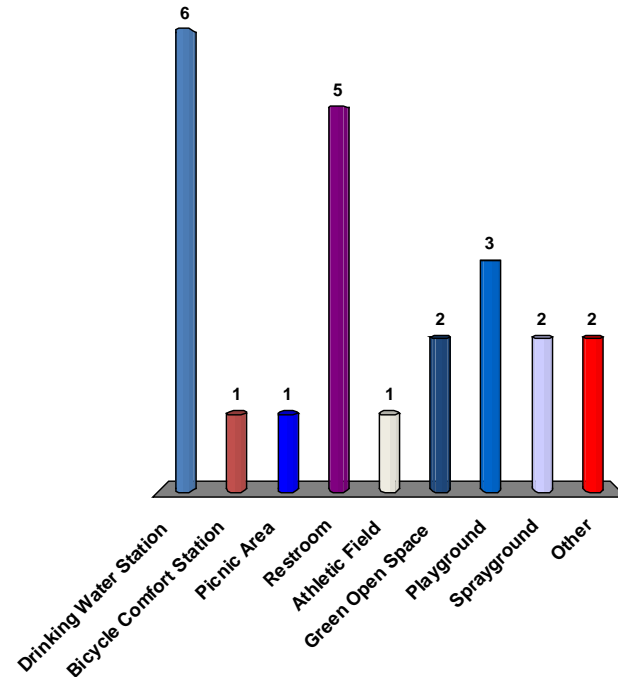
How do you use the park? (up to 3)

1. Walking/Running
2. Basketball
3. Baseball/Softball
4. Tennis
5. Playground
6. Picnic
7. Access to River Walk Levee Trail
8. Other



What improvements would you like to see on this portion of park? (up to 3)

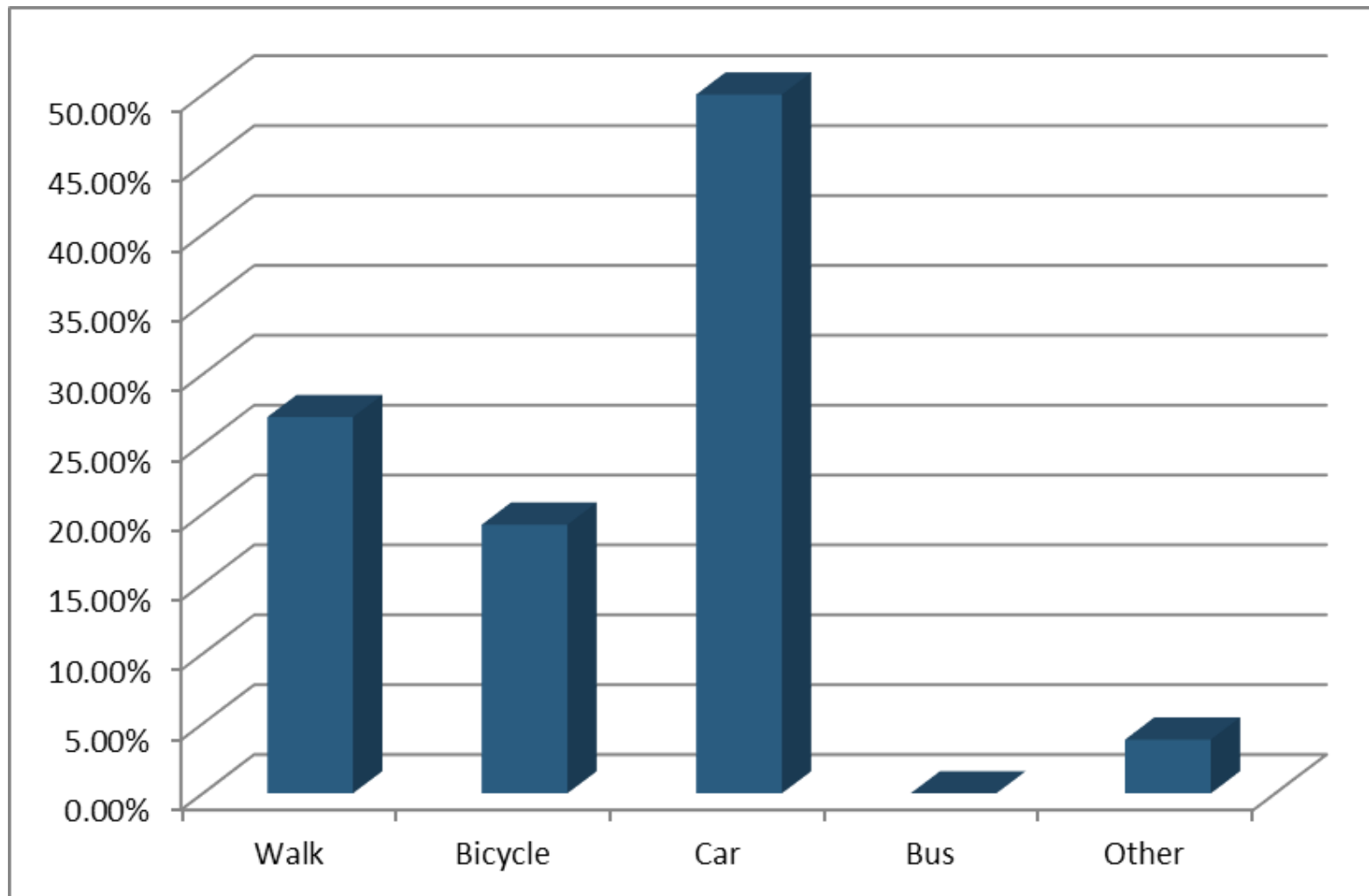
1. Drinking Water Station
2. Bicycle Comfort Station
3. Picnic Area
4. Restroom
5. Athletic Field
6. Green Open Space
7. Playground
8. Sprayground
9. Other



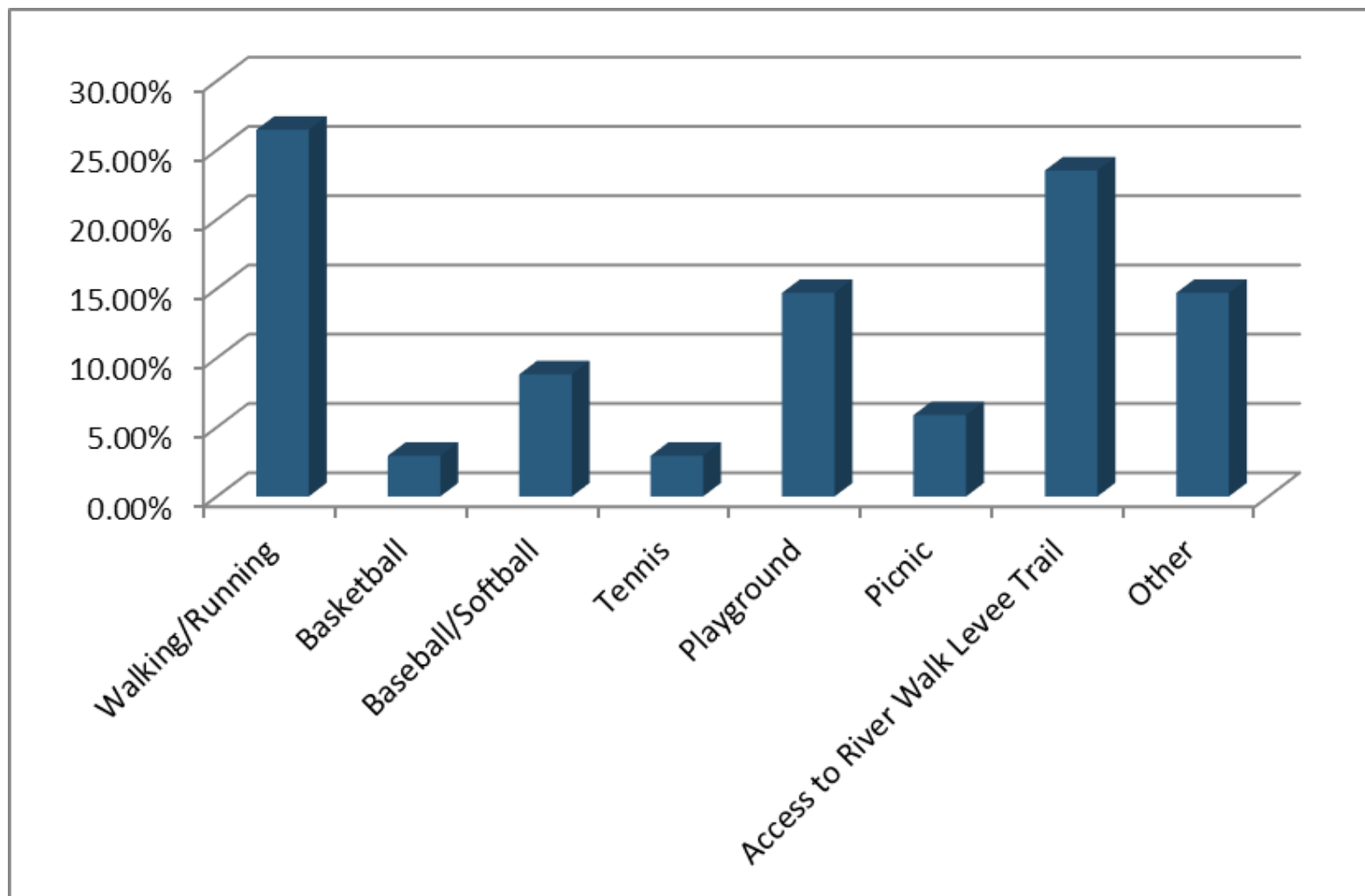
5. Public Input Summary



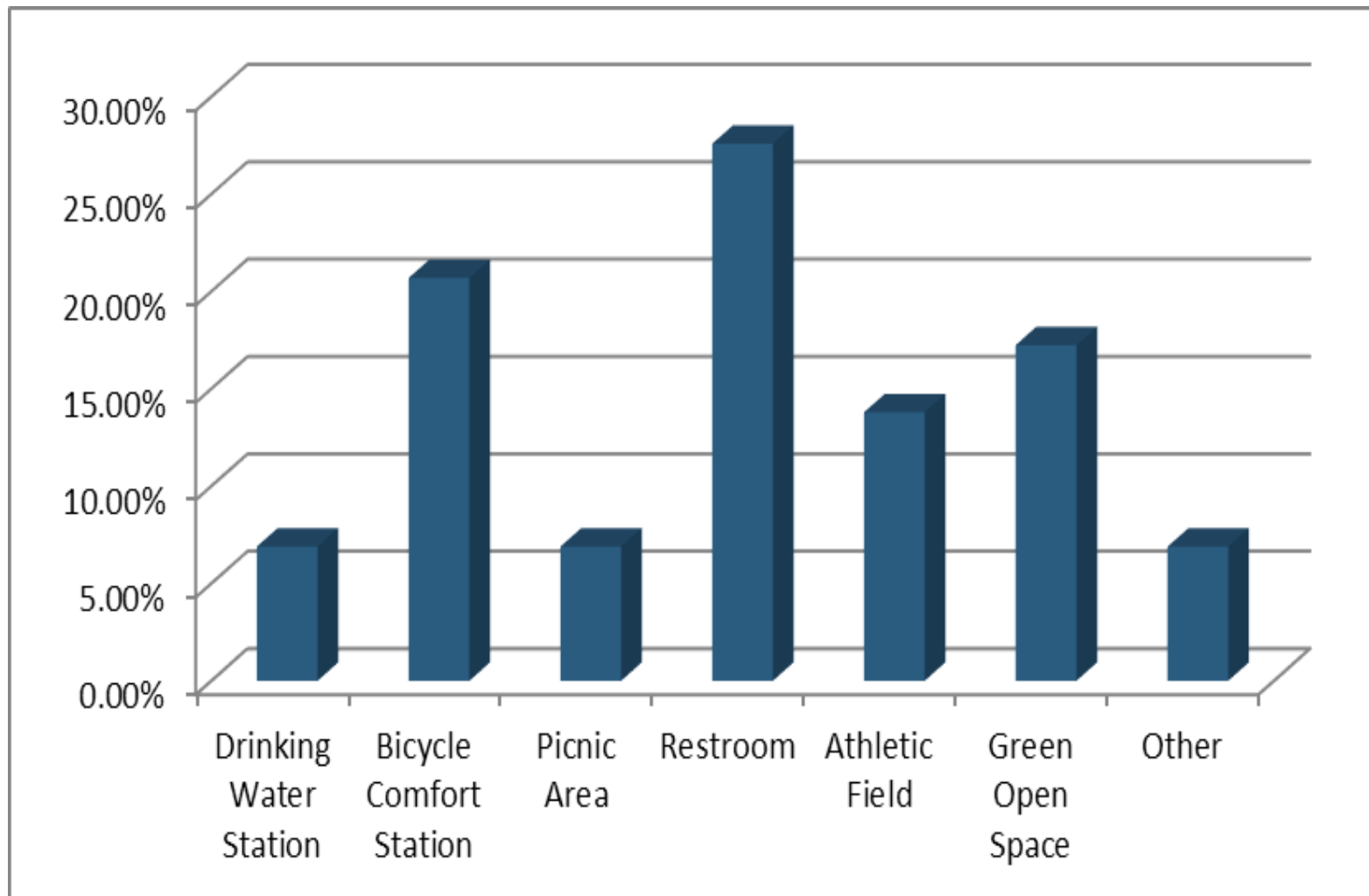
Polling Summary – Park Access



Polling Summary – Park Activities



Polling Summary – Park Improvements

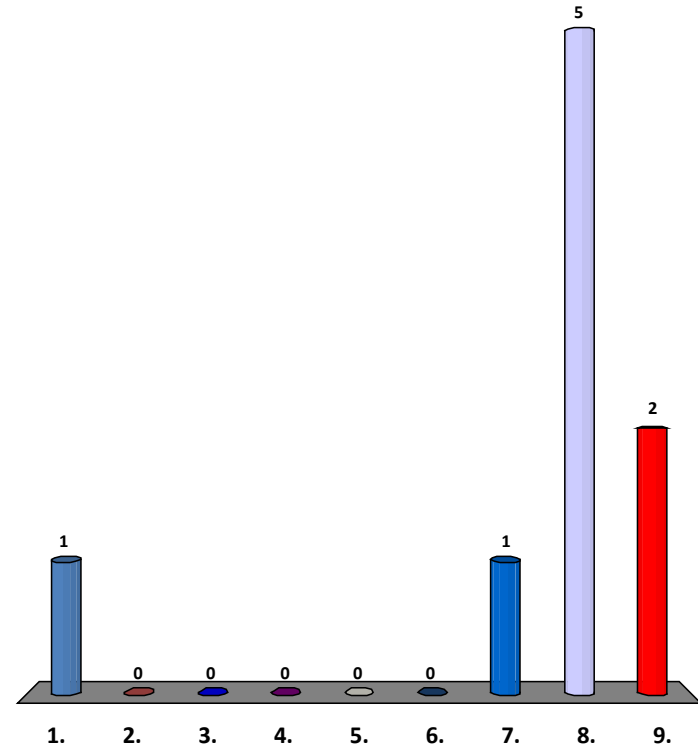


6. Feedback



How satisfied are you with this feedback method?

1. Very Unsatisfied
2. Unsatisfied
3. Somewhat Unsatisfied
4. Slightly Unsatisfied
5. No Particular Opinion
6. Slightly Satisfied
7. Somewhat Satisfied
8. Satisfied
9. Very Satisfied



Mean = 7.33

Find Out More

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Improving Our Community Waterways Together



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Projects

Library

Public Input

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search keywords

go

MSD In Your Area

Rainwater can enter the sewer system during rain events and cause a mixture of sewage and rainwater to flow untreated into our waterways. MSD is using storage basins and green infrastructure to control and decrease the amount of rainwater entering the system, thus reducing overflows into our waterways. Click "Read More" to find out about projects near you.

Read More



Please Tell Your Friends and Neighbors to Take the Survey Online!

tinyurl.com/MSDPortland3



How Can I Learn More About Public Meetings?

- Sign up to receive email notifications at the Portland Basin tab on the MSD WIN page
 - <https://msd-portland-basin-design-meeting.eventbrite.com>
- RSVP for public meetings:
 - Attending
 - Maybe Attending
 - Not Attending, but I want more info
- If you are ***unable to attend a meeting***, register as “Not Attending, but I want more info” to receive a link to the public online input survey



For *general information or emergencies*
regarding the MSD system, call:

502-587-0603

Your Call Will be Answered

- By an MSD Staff Member
- Around the Clock
- Every Day of the Year

**THANK YOU FOR
YOUR PARTICIPATION**

