

City of Naples Stormwater Master Plan Update

Public Involvement Technical Memorandum January 23 and February 22, 2017

The City of Naples held two public information workshops on Monday, January 23, 2017 and on Wednesday, February 22, 2017 at the River Park Community Center, 301 11th Street North, Naples, Florida for the City of Naples Stormwater Master Plan Update. A total of 8 attendees signed in at the January 23rd meeting and 5 attendees signed in at the February 22nd meeting. Copies of the sign-in sheets are attached as Appendix A.

Flyers announcing the workshops were emailed to the Presidents Council of Homeowners Associations and to a variety of community groups, interested parties and relevant City and County elected officials and staff members. Copies of the flyers and the email list are found in Appendix B. The public information workshops were advertised on the City of Naples website, in the Naples Daily News. Press releases were sent to local media (see Appendix C).

The workshops were conducted in an "open house" format that allowed the public to view the project materials between 4:30 p.m. and 6:30 p.m. A slide show was available for viewing and there were display boards (see Appendix D) showing the following:

- Water Quality and Ecology
- Water Quantity/Flooding
- Stormwater Infrastructure/Maintenance/Operational Strategies
- Sea Level Rise
- Funding
- Capital Improvements

Representatives from the City of Naples and their consultants were present at the workshops to answer questions and discuss the various topics with the public. A copy of the newsletter was provided as a handout at the workshops.

Members of the public were provided comment forms at the workshops in order to have their opinion recorded as public record. A total of 4 written comments were received at the workshops. Copies of the comments are attached in Appendix E.

APPENDIX A

City of Naples
Stormwater Master Plan Update
 Public Information Meeting
 River Park Community Center
 January 23, 2017



Sign-In Sheet
 (PLEASE PRINT)

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City of Naples
Stormwater Master Plan Update
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Sign-In Sheet
(PLEASE PRINT)



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538 13th ST N NAPLES

twilson538@Comcast.net

City of Naples
Stormwater Master Plan Update
Public Information Meeting
River Park Community Center
January 23, 2017



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(PLEASE PRINT)

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Eric West

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Grasmechanismen & Konzept

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alewine3@gmail.com

APPENDIX B



City of Naples Stormwater Master Plan Update January 2017

The City of Naples receives an average annual rainfall of 56 inches which equates to approximately 14 billion gallons of water in a year. This is why it is so important for the City to have a Stormwater Master Plan to manage the stormwater that flows into waterbodies such as Naples Bay and the Gulf of Mexico, which are important to residents and many people that visit this great city.

Stormwater runoff is an increasingly important resource that needs to be managed from both a water quantity and quality standpoint. It impacts the City's infrastructure, resources, and ecology. The goal of the Stormwater Master Plan Update is to develop a clear, comprehensive, and forward-looking master plan (updated from 2007) that encompasses the City of Naples's stormwater management program. The update will investigate key components of stormwater as it is related to the City of Naples, and will establish goals and provide a foundation for future policy decisions. The final product will help the City guide its stormwater program for the next 10 or more years.

The City is interested in your input. On January 23, 2017, a public information meeting is being held to introduce the public to the Stormwater Master Plan process and to receive information from the public on any stormwater issues it perceives concerning stormwater and to receive priorities on certain components of the stormwater master plan which includes:

- Water Quality and Ecology
- Water Quantity/Flooding
- Stormwater Infrastructure/Maintenance/Operational Strategies
- Sea Level Rise
- Funding
- Capital Improvements

The meeting is to be informative and interactive!

Public Information Meeting

Time: 4:30 to 6:30 pm

Date: Monday, January 23, 2017

Place: River Park Community Center
301 11th Street North
Naples, FL 34102



Public Meeting February 22nd!



City of Naples Stormwater Master Plan Update February 2017

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Public Information Meeting

Time: 4:30 to 6:30 pm

Date: Wednesday, February 22, 2017

Place: River Park Community Center

301 11th Street North Naples,
FL 34102



For additional information, contact Andy Holland, P.E.
Engineering Manager, (239) 213-5001, aholland@naplesgov.com

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Green is the presidents council						
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APPENDIX C

CITY OF NAPLES

STORMWATER MASTER PLAN UPDATE

JANUARY 2017



The City of Naples receives an average annual rainfall of 56 inches which equates to approximately 14 billion gallons of water in a year. This is why it is so important for the City to have a Stormwater Master Plan to plan for and manage the stormwater that flows into waterbodies such as Naples Bay and the Gulf of Mexico, which are important to residents and many people that visit this great city.

Stormwater runoff is an increasingly important resource that needs to be managed from both a water quantity and quality standpoint. It impacts the City's infrastructure, resources, and ecology. The goal is to develop a clear, comprehensive, and forward-looking master plan (updated from 2007) that encompasses the City of Naples's stormwater management program, presents a detailed investigation into key components of stormwater as it is related to the City of Naples, establishes goals and provides a foundation for future policy decisions. The final product will help the City guide its stormwater program for the next 10 or more years.

The City is interested in your input. **On January 23, 2017, a public information meeting is being held** to introduce the public to the Stormwater Master Plan process and to receive information from the public on any stormwater issues it perceives concerning stormwater and to receive priorities on certain components of the stormwater master plan which includes:

- Water Quality and Ecology
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- Funding
- Capital Improvements

The meeting is to be informative and interactive!

Time:	4:30 to 6:30 p.m.
Date:	Monday, January 23, 2017
Place:	River Park Community Center 301 11th Street North Naples, FL 34102

For additional information, contact
Andy Holland, P.E.

City of Naples Engineering Manager
(239) 213-5001, aholland@naplesgov.com

CITY OF NAPLES

STORMWATER MASTER PLAN UPDATE

FEBRUARY 2017



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Date:	Wednesday, February 22, 2017
Place:	River Park Community Center 301 11th Street North Naples, FL 34102

For additional information, contact
Andy Holland, P.E.
City of Naples Engineering Manager
(239) 213-5001, aholland@naplesgov.com

FOR IMMEDIATE RELEASE

City of Naples Stormwater Master Plan Update Public Meeting Scheduled

When: 4:30 p.m. to 6:30 p.m., Monday, January 23, 2017

Where: River Park Community Center, 301 11th Street North, Naples, Florida

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- Sea Level Rise
- Funding
- Capital Improvements

The City of Naples invites you to attend the “open house” public meeting from 4:30 p.m. to 6:30 p.m., on Monday, January 23, 2017 at the River Park Community Center, 301 11th Street North, Naples, Florida.

For additional information contact:

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Cella Molnar & Associates, Inc.
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KCella@cella.cc

Andy Holland, P.E., Engineering Manager
Streets & Stormwater Department, City of Naples
239-213-5001
AHolland@naplesgov.com

FOR IMMEDIATE RELEASE

City of Naples Stormwater Master Plan Update Public Meeting Scheduled

When: 4:30 p.m. to 6:30 p.m., Wednesday, February 22, 2017

Where: River Park Community Center, 301 11th Street North, Naples, Florida

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For additional information contact:

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KCella@cella.cc

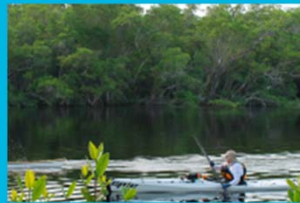
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APPENDIX D



City of Naples Stormwater Master Plan Update

Public Information Meeting



February 22, 2017

Presented by the City of Naples, AECOM,
AMEC Foster Wheeler, and Cella Molnar &
Associates



Thank you all for attending this Public Involvement Meeting on the City's Stormwater Master Plan Update. This meeting is intended to be informative and interactive. We want you to tell us what you see and what your priorities are in regards to stormwater in the City of Naples.

The last update for the City's Stormwater Master Plan was conducted in 2007, and therefore it is time to plan for the next 10 years.

Why Stormwater?

The City of Naples receives an average annual rainfall of 56 inches which equates to approximately 14 billion gallons of water in a year.

- ❖ Stormwater is discharged into the Gulf of Mexico, Naples Bay, local lakes and waterbodies, and the groundwater.
- ❖ City infrastructure conveys and treats the stormwater.



The City of Naples receives an average annual rainfall of 56 inches which equates to approximately 14 billion gallons a year. That much stormwater has to go somewhere and the City has to be able to collect it, treat it, and convey it to receiving water bodies such as the Gulf of Mexico, Naples Bay, local lakes, canals, and water bodies, and into the groundwater system. How can the City manage so much water and make sure that roadways are clear, buildings stay dry, and eco-systems are protected? It is a careful balance of City resources and a proper plan.

Why do we need a Stormwater Master Plan?

Stormwater runoff is an increasingly important resource that needs to be managed from both a water quantity and quality standpoint.

- ❖ A plan allows the City to record and evaluate current stormwater management practices.
- ❖ Allows the City to establish goals and provide a foundation for future policy decisions.
- ❖ Establishes Capital Projects for the next 10 years.



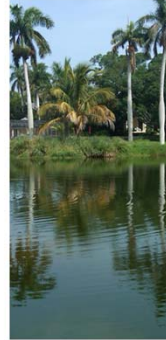
Aerial of the City of Naples



Stormwater runoff is an increasingly important resource that needs to be managed from both a water quantity and quality standpoint to protect public health and safety and to preserve our way of life in Southwest Florida. Drainage is an increasingly important subject and the management of it needs to be approached in a comprehensive manner. A stormwater master plan gives the City the tools to record and evaluate current City stormwater management practices, allows the City to establish goals and provide a foundation for future policy decisions, and establishes capital improvement projects for the next 10 years taking into account existing and future practices in stormwater management.

Which components are being evaluated in the Stormwater Master Plan?

- ❖ Water Quantity – Flooding and Recovery
- ❖ Water Quality and Ecology
- ❖ Stormwater Infrastructure – Operation and Maintenance
- ❖ Climate Adaptation - Sea Level Rise and Resiliency
- ❖ Regulation
- ❖ Funding – Stormwater Utility Fees and Grants
- ❖ Capital Improvements



Stormwater Master Plan
Public Information Meeting

March 27, 2017

Page 4



The goals of the Stormwater Plan Update are to protect the health, safety and welfare of City residents; protect and improve City's surface and groundwater resources; protect public and private property; protect and restore ecology; and plan wisely and strategic investments into the stormwater management system. In order to achieve these goals, certain components of the stormwater management program are being evaluated.

Most residents are familiar with water quantity. This component is evident when a road floods. Past stormwater management practices examined how fast the stormwater can be conveyed out of the area to eliminate flooding concerns. Over the years, communities have taken a greater interest in water quality and ecology. Water quality deals with treating the water before it enters a receiving water body.

Another component that is important is the stormwater infrastructure that is used to convey and treat the stormwater. Did you know that there are over 650 outfalls into receiving waterbodies along with the conveyance systems connected to those outfalls that the City operates and maintains for stormwater discharge? It is important that the City maintains these facilities to aid in controlling flooding and water quality treatment.

The big buzz in the media is climate change, sea level rise, and resiliency. This plan will look at what other municipalities are doing to handle this issue and what steps the City should consider in the future to adapt to climate change.

In order to accomplish these goals, the City has instituted regulations to aid in flood control and water quality treatment. The City has adopted a fertilizer ordinance and has placed controls to reduce and treat stormwater discharges into receiving water bodies. In addition, these controls allow new infrastructure to be designed and built keeping in mind public health and safety.

The next component is funding. It is important that the City has proper funding for its infrastructure and the operation and maintenance of that infrastructure. By preparing this plan, the City will be able to fund the program with grants and stormwater utility fees. Currently, the average residential unit paid by the tax payers is \$13.08 per month.

Lastly, capital improvements are needed not only to help achieve the goals of the plan but to ensure that the City is prepared for the future. These improvements could be a number of different practices. They could be lakes, wet or dry ponds, swales, pipes, and so on and these items could be incorporated into parks, roadway rights-of-way, and communities.

Please visit each of the stations to learn more about these components and provide your feedback.

What information we would like from YOU?

You live here and have a lot of local knowledge in your community.

Please visit each of the stations and provide your input on each of the components.

Once you have visited each station, go to the summary station to tell us which components are the most important to you!



You live in this community and you have local knowledge. Each station has a short summary of the component and has additional questions about that component. Please visit each station and provide your input. Also, you can comment on each component by placing a comment card in the box for that station. Finally, tell us what is most important to you and provide us with any other information you feel is important to this update.

We want to KNOW!

Where have you witnessed stormwater issues and what issues were they?

Go to the Water Quantity Component map and place a sticker in the location of your stormwater issue!

What components of the plan should the City take priority on?

Go to the summary station and place your sticker on the component that you feel the City should make a priority!

What additional comments do you have with each of the components?

Place your comments in the box.



Tonight we would like you to tell us what you know. Your local knowledge is critical to this update. The City is aware of most of the issues in the communities, but they may not have all of them covered. At the Water Quantity Station, there is a map. Please place a sticker on the map that corresponds to your issue, whether it is flooding, water quality, or maintenance. Then, visit all the other component stations and give us feedback. Then go to the Summary station and tell us which component is most important to you!! All comments are welcomed and there are opportunities around the room to record them and express them! Please help us to complete a comprehensive plan update.

Thank You

Any additional comments can be directed to the City's Project Manager, Andy Holland, PE at (239) 213-5001 or aholland@naplesgov.com

January 23, 2017



Any additional comments can be directed to the City's Project Manager, Andy Holland. His contact information is listed here. Thank you for attending and we appreciate any feedback you can give us!

The slide has a solid blue background. A lighter blue triangular shape is positioned in the top right corner. Two thin white lines intersect: one runs diagonally from the top left towards the center, and the other runs diagonally from the top right towards the center.

**The slide show will play
again in 3 minutes.**

Water Quantity

Flooding and Recovery

Water Quantity refers to the amount of stormwater runoff that is produced from a rainfall event. Water quantity impacts the public through flooding conditions and recovery time. It is often managed by creating storage and conveyance systems such as local lakes and ponds, ditches, canals, and pipes/inlets, prior to discharge into receiving water bodies such as the Gulf of Mexico and Naples Bay. Stormwater runoff also infiltrates into the groundwater system.

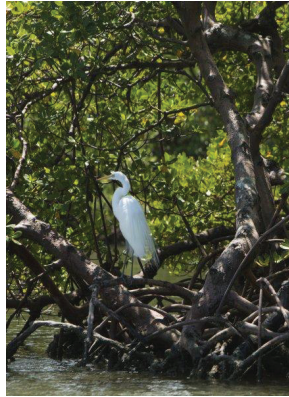


When it comes to Water Quantity, which items concern you most? Please select 2 areas that concern you most!

Roadway Flooding Depth	
Roadway Flooding Recovery Time	
Building Flooding, Property Damage	
Overflowing ponds, ditches and canals	
Ponding in Roadside Swales and Yards	

Water Quality and Ecology

Water Quality refers to the nutrients or pollutants that are found in the stormwater runoff. As stormwater flows across the land it picks up pollutants such as bacteria, fertilizers, oil and soil; this can affect the ecology of receiving water bodies (canals, lakes, rivers, and the gulf).



When it comes to Water Quality, which items concern you most? Please select 2 areas that concern you most!

Regional Water Bodies – Naples Bay, Moorings Bay, and Gulf of Mexico	
Local Waterbodies – neighborhood lakes, ditches, and canals	
Marine Life	
Plant Life	
Bird Life	

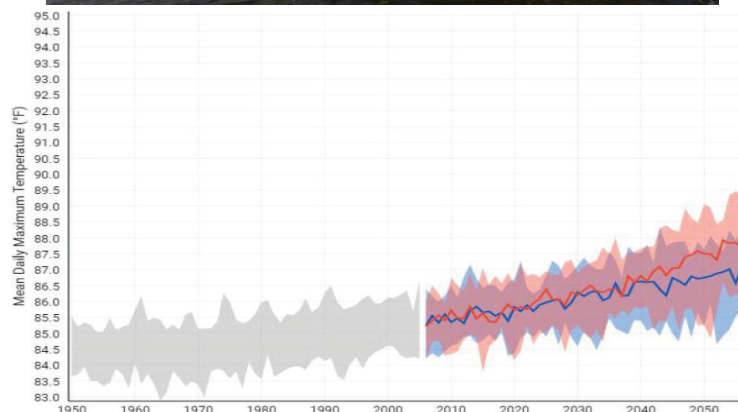
Please rank, in priority order, the water body that you are most interested in improving/restoring (1-4):

Gulf of Mexico/Naples Beaches	
Gordon River/Naples Bay	
Moorings Bay	
Stormwater Lakes	

Climate Adaptation

Sea Level Rise and Resiliency

Climate Change is a debated issue, yet many municipalities are planning infrastructure projects and studies to account for sea level rise, increase storm strength and frequencies, and increased temperatures. Climate Adaptation includes preparing or planning for infrastructure that can withstand these changes.



When it comes to Climate Adaptation, which items concern you most? Please select 3 areas that concern you most!

Sea Level Rise	
Increased Temperatures	
Increased Storm Strength	
Increased Storm Frequency	
Resiliency plan for climate change	
Adapting infrastructure for these changes	
Not important to me	

Operation and Maintenance

The City currently operates and maintains 651 Outfalls, 3,648 Catch Basins, 771 Manholes, 100 miles of pipe, 28 lakes, and 3 pump stations. It also sweeps 311 curb miles of streets in order to remove potential pollutants before they enter the stormwater system. It is important for the City to maintain stormwater facilities frequently enough to prevent flooding and pollutants from entering water bodies.



When it comes to Operation and Maintenance, do you feel there is adequate maintenance of the system? Please select your answer.

Yes	
No	

For an average wet-season rainfall, please select which is the response that is most accurate:

The City's stormwater drainage system adequately moves stormwater off streets in a reasonable amount of time.	
The City's stormwater drainage system should be improved to better drain City streets.	

APPENDIX E



PUBLIC INFORMATION COMMENT SHEET

PLEASE RETURN COMMENT SHEETS WITHIN 14 DAYS

Name Ida Lawson
Address 538 13th ST N
City NAPLES State FL Zip Code 34102

☐ Please add me to your email list for notifications concerning this project.

Email Address toewson538@comcast.net

Please use this comment sheet to express your opinions about this project. Drop your written comments into the comment box here tonight or mail them to the address on the back of this form.

Comments: Keep stormwater drains working effectively
in low lying areas of the city (those prone to flooding)
Keep emergency personnel on stand by to assist residents
with flooding. Identify areas and neighborhoods that
have been affected in the past & assist city engineers
in establishing a solution to the problem (not by
increasing property taxes either). Thank you for the
opportunity to listen to our concerns.

(Attach additional sheets if necessary)

Thank you for taking time to participate in this public information meeting.



PUBLIC INFORMATION COMMENT SHEET

PLEASE RETURN COMMENT SHEETS WITHIN 14 DAYS

Name Deborah Giso
Address 540 10th Ave S.
City Naples State _____ Zip Code 34102

☒ Please add me to your email list for notifications concerning this project.

Email Address djgiso@gmail.com

Please use this comment sheet to express your opinions about this project. Drop your written comments into the comment box here tonight or mail them to the address on the back of this form.

Comments: Thank you for ~~Wald~~ providing opportunities
for public input. Also - more need for public
education. Well done presentation; appreciate
access to dept. employees.

(Attach additional sheets if necessary)

Thank you for taking time to participate in this public information meeting.



PUBLIC INFORMATION COMMENT SHEET

PLEASE RETURN COMMENT SHEETS WITHIN 14 DAYS

Name Richard Orth
Address 2800 N Horse Shoe Dr.
City Naples State FL Zip Code 34104

☐ Please add me to your email list for notifications concerning this project.

Email Address RichardOrth@Collier.gov.net

Please use this comment sheet to express your opinions about this project. Drop your written comments into the comment box here tonight or mail them to the address on the back of this form.

Comments: Public question board was informative and a good way
to engage the public.

(Attach additional sheets if necessary)

Thank you for taking time to participate in this public information meeting.



PUBLIC INFORMATION COMMENT SHEET

PLEASE RETURN COMMENT SHEETS WITHIN 14 DAYS

Name G. Carson McEachern
Address 396 Moorings, Lido Drive
City Boca Raton State FL Zip Code 33432

☒ Please add me to your email list for notifications concerning this project.

Email Address gcmceachern@comcast.net

Please use this comment sheet to express your opinions about this project. Drop your written comments into the comment box here tonight or mail them to the address on the back of this form.

Comments: Upgrading of facilities to avoid problems like what
occurred in New Orleans should be a far more
important issue than funding of parks. If we don't
have adequate and up-to-date facilities, then we
won't have a city to enjoy our parks

(Attach additional sheets if necessary)

Thank you for taking time to participate in this public information meeting.