

**CITY OF BOULDER, COLORADO
BOARDS AND COMMISSIONS MEETING MINUTES**

Name of Board / Commission: Water Resources Advisory Board	
Date of Meeting: 16 May 2016	
Contact Information of Person Preparing Minutes: Rene Lopez 303-413-7149	
Board Members Present: Mark Squillace, Lesley Smith, Mike Barnes, Kirk Vincent Board Members Absent: Dan Johnson	
Staff Present: Jeff Arthur, Director of Public Works for Utilities Greg Guibert, Chief Resilience Officer Joe Taddeucci, Water Resources Manager Douglas Sullivan, Acting Principal Engineer for Water, Wastewater and Stormwater Ken Baird, Utilities Financial Manager Annie Noble, Acting Principle Engineer for Flood and Greenways Pieter Beyer, Civil Engineer Christin Shepherd, Civil Engineer Ward Bauscher, Engineering Project Manager Russ Sands, Water Sustainability and Outreach Supervisor Brett Linenfelser, Water Quality & Environmental Services Manager Candace Owen, Stormwater Quality Engineer Chris Douville, Wastewater Treatment Manager Rene Lopez, Board Secretary	
Consultants Present: None	
Meeting Type: Regular	
Agenda Item 1 – Call to Order	[7:01 p.m.]
Agenda Item 2 – Approval of the 18 April 2016 Meeting Minutes [7:03 p.m.]	
Motion to approve minutes from 18 April 2016 as amended. Moved by: Smith Seconded by: Barnes Vote: 4:0	
Agenda Item 3– Public Participation and Comment	[7:05 p.m.]
Public Comment: Elizabeth Black	
<ul style="list-style-type: none"> • Concerns with Fourmile Canyon Creek and GAC item • Cost benefit analysis grossly underestimate the benefits • The original 50 year flood channel improvements were changed to high hazard containment and flood proofing • Restore borrow ditches 	
Agenda Item 4 - Information Item – City Resilience Strategy	[7:50 p.m.]
Presentation by Chief Resilience Officer, Greg Guibert	
Executive Summary from the Packet Materials:	
<p>100 Resilient Cities (100RC) is a global network pioneered by the Rockefeller Foundation to help cities around the world become more resilient to the physical, social, and economic challenges that are a growing part of the 21st century. Boulder joined the network as part of its first wave in 2013 and through its participation, is committed to demonstrating leadership in resilience as well as take advantage of the resources and opportunities it presents. 100RC supports the adoption and incorporation of a view of resilience that includes not just the shocks – floods, wildfires, violence, and other acute events – but also the stresses that weaken the fabric of a city on a day to day or cyclical basis, such as economic hardship or social inequality. By addressing both the shocks and the stresses in a holistic manner, a city becomes more able to respond to adverse events, and is better able to deliver basic functions in both good times and bad, to all populations.</p>	
<p>The 100RC program supports resilience building activities at the city level along four pathways:</p> <ul style="list-style-type: none"> • Financial support for the creation of a new position in the government who will lead the effort, the Chief Resilience Officer (CRO) • Technical and logistical support for the development of a resilience strategy that will serve as the city’s roadmap to resilience activities and priorities 	

- Access to tools and specialized partnerships to help developed a sophisticated understanding the city’s risks, assets, weaknesses, and opportunities and how they interlink in unanticipated ways
- Inclusion into a network of 99 other cities from which best practices, innovation, and peer-to-peer learning can advance the practice of resilience globally.

The objective of the City Resilience Strategy is to provide a roadmap for building resilience in the city. The strategy should trigger action, investment, and support within city government and from outside groups. Rather than a static road map, the resilience strategy should be a living document to be continuously fine-tuned as priorities are addressed and initiatives get implemented.

WRAB Discussion Included:

- Discussions on resiliency as it relates to utilities and flood capacities
- Comments regarding resiliency with regard to utilities meaning redundancy of systems
- Comments that mountain roadways are not resilient
- Discussions about individual responsibility not government
- Comments on choosing an appropriate level of resiliency
- Discussions about working outside of the City of Boulder

Agenda Item 5 –Public Hearing and Consideration of a Motion Recommending [7:10 p.m.] that City Council accept the Wastewater Collection System Master Plan

Pieter Beyer presented this item.

Executive Summary from the Packet Materials:

The purpose of this agenda item is to request a Water Resources Advisory Board recommendation to City Council regarding acceptance of the 2016 Wastewater Collection System Master Plan (WWCSMP). The document replaces the existing 2009 WWCSMP. The 2016 WWCSMP was undertaken to revise the sanitary sewer system hydraulic model, to include recently acquired flow monitoring data, and to incorporate inspection information regarding flow diversion structures in the upstream collection system. The 2016 update also considers the collection system performance during and since the 2013 flooding. The 2016 WWCSMP is included as Attachment A. The 2016 WWCSMP recommendations include a total of 11 CIP projects – four high priority Tier 1 projects, and seven medium priority Tier 2 projects.

WRAB Discussion Included:

- Floods impacts provided additional funding for the wastewater master plan for monitoring
- Previous master plans data

Public Comment:

Carl Norby – Water flooding from the creeks into open man holes – the sewer system will block quickly. Wastewater and Stormwater are interrelated, Mr. Norby does not feel they are considered together. Creeks and trees are also a major contributor to sewer backups.

The Water Resources Advisory Board makes a motion to recommend that City Council accept the 2016 Wastewater Collection System Master Plan including the identified project recommendations.

Moved by: Smith **Seconded by:** Barnes

Vote: 4:0

Agenda Item 6 – Public Hearing and Consideration of a Motion Recommending [7:32 p.m.] that City Council accept the Stormwater Collection System Master Plan

Pieter Beyer presented this item.

Executive Summary from the Packet Materials:

The purpose of this agenda item is to request a Water Resources Advisory Board recommendation to City Council regarding acceptance of the 2016 Wastewater Collection System Master Plan (WWCSMP). The document replaces the existing 2009 WWCSMP. The 2016 WWCSMP was undertaken to revise the sanitary sewer system hydraulic model, to include recently acquired flow monitoring data, and to incorporate inspection information regarding flow diversion structures in the upstream collection

system. The 2016 update also considers the collection system performance during and since the 2013 flooding. The 2016 WWCSMP is included as Attachment A. The 2016 WWCSMP recommendations include a total of 11 CIP projects – four high priority Tier 1 projects, and seven medium priority Tier 2 projects.

WRAB Discussion Included:

- Level of service for the 100 year event
- Flash flooding and its impacts on planning
- Channels along Bear Creek have improved post flood

Public Comment:

Elizabeth Black

- Project at Violet and Broadway – happy to see that project a priority

Carl Norby

- Back-ups in neighborhoods was localized, due to various blockages in the neighborhoods. Sanitary sewer overflows can be a cheap way to prevent back-ups in homes. Ask that you consider the idea of recommending the idea of the overflow channels. 1,500 basements flooded with raw sewage during the floods.

The Water Resources Advisory Board makes a motion to recommend that City Council accept the 2016 Wastewater Collection System Master Plan including the identified project recommendations.

Moved by: Barnes **Seconded by:** Vincent

Vote: 4:0

Agenda Item 7 – Information Item – Capital Improvements Program

[8:10 p.m.]

Ken Baird presented this item.

Executive Summary from the Packet Materials:

As part of the city’s annual budget process, Utilities develops a six-year planning budget, this year for the time period of 2017 through 2022. The Water Resources Advisory Board (WRAB) role in this process is defined in the Boulder Revised Code: “. . . to review all environmental assessments and capital improvements conducted or proposed by the utilities division.” Utilities staff has formulated initial revenue and expenditure projections for each of the three utility funds through the year 2022. Within the budget process, City Council approves and appropriates funds only for the first year, 2017. WRAB will be asked to make a recommendation to City Council regarding the 2017-2022 CIP at its June meeting. The Planning Board will review the complete city CIP, including utilities, in July. City Council will discuss the CIP in August at a study session, and the overall budget is scheduled to be adopted by City Council in October. This packet contains the draft proposed 2017 Utilities Budget and 2017-2022 Utilities CIP. The fund financials (Attachment A) have been updated to reflect actual revenues and expenditures for 2015, and the revised budget for 2016. At this point 2015 financial information is unaudited and may have what are expected to be small adjustments. The operating budget development is in the early stages of development and may have further revisions. The draft proposed CIP spreadsheets for Water, Wastewater and Stormwater/Flood Management are included in Attachment B.

WRAB Discussion Included:

- Comments requesting additional study ways to generate revenue with our water resources
- Discussions regarding neighboring communities utilities
- Cater Lake pipeline discussions
- Comments on price increases for projections

Agenda Item 8 - Matters from Board:

[8:35 p.m.]

- Squillace
 - Rate Study
- Smith – GAC Representative
 - 2017-2022 Greenways Capital Improvement Program

<ul style="list-style-type: none"> ○ Draft CEAP for Fourmile Canyon Creek Greenways Improvements from Upland Avenue to West of Broadway 	
Agenda Item 9 – Matters from Staff: <ul style="list-style-type: none"> • Council pulled water main break claims from agenda tomorrow • Proposal for a study session style meeting for Rate Study items in July 	[8:59 p.m.]
Agenda Item 10 – Future Schedule <ul style="list-style-type: none"> • Bear Canyon creek mitigation study update for next month • CIP next month 	[9:10 p.m.]
Adjournment There being no further business to come before the Board at this time, by motion regularly adopted, the meeting was adjourned at 9:10 p.m. Motion to adjourn by: Smith Seconded by: Barnes Motion Passes 4:0	[9:10p.m.]
Date, Time, and Location of Next Meeting: The next WRAB meeting will be Monday, June 20th 2016 at 7:00 p.m. , at the City's Municipal Services Center, 5050 East Pearl St., Boulder, CO 80301	

APPROVED BY:

Board Chair

Date

ATTESTED BY:

Board Secretary

Date

An audio recording of the full meeting for which these minutes are a summary, is available on the Water Resources Advisory Board web page.

<https://bouldercolorado.gov/boards-commissions/water-resources-advisory-board-next-meeting-agenda-and-packet>