

2017



EL PASO COUNTY WATER MASTER PLAN

Steering Committee

January 22, 2017, 2:00PM – 3:30PM
Regional Building, Pikes Peak Conference Room
2880 International Circle, Suite 110

Project Review (15 Min.) Will Koger

- List of 68 water providers, plus ditch companies
- Additional baseline studies (attached)

Questionnaire (20 Min.) Mary Presecan

- Due Jan. 19
- Level of participation

MetroQuest (20 Min.) Anne Kuechenmeister and Tom Browning

- Send out to water providers
- Encourage public to review

Schedule (5 Min.) Will Koger

Steering Committee (30 Min.) Craig Dossey

- Comments/Discussion
- Next Regular Meeting

1/22/18

Will Koger
Craig Dossey
Raineri Fitzpatrick
Gary Barker
Jonathan Moore
Tom Gonzales
Dave Doran
Randy Case
Kip Petersen
Kevin Walker
Jonathan Smith
Jerry Hannigan
Abby Artego
Jay Frost
Raul Guzman
Joan Luca-Treese
Anne Kueckelmeister

Mary Presecan

Metro Quest link

Get feedback

Get out to those that need to see it.

Share educational + project specific

68 water providers
23 not opened

2910 responses

2040
2060
build out
demand
types
- non-potable
supply
supply



El Paso County Water Master Plan

The El Paso County Water Master Plan ("Plan") will look at current conditions, water supply projections and how to better craft the County's policies and regulations to protect this critical resource and our quality of life. By 2050, it is estimated that El Paso County is projected to have a water shortage of 35,000 Acre-feet, or enough water to serve approximately 88,000 homes. This Plan will look at current practices and how land-use impacts water demand to determine tools to reduce demand and protect this vital resource. This Plan will promote regional cooperation, and includes the following topics for evaluation:

Public Outreach
Mapping and Data
Land Use
Demand and Supply
Regionalization

Landscaping Standards
Water Conservation Models
Water Reuse
Regulatory Modification
Plan Implementation

Plan Timeline *(subject to change)*

4th Quarter '17	1st Quarter '18	2nd Quarter '18	3rd Quarter '18	4th Quarter '18
Public Participation and Input				
Data Collection				
Land Use Scenarios				
	Supply and Demands			
	Regionalization Alt's			
	Landscaping Standards			
		Water Conservancy		
		Reuse		
		Regulatory Modifications		
			Plan Impementation	
				Compile Plan

Questions or comments can also be directed to:

Will Koger 720-214-5884/720-232-6644 wkoger@forsgren.com
Jonathan Moore 720-214-5884/719-964-6654 jmoore@forsgren.com

WELCOME

MAP YOUR INPUT

CONSERVATION INPUT

STRATEGIES

Strategies

- Building and Landscaping
- Regionalization
- Land Use
- Renewable Water
- Water Sources / Quality

Larger parcels of land generally require more water. This is due to larger lawns and greater landscaping maintenance needs.

[More about this](#)

Increase Land Use Density
 Increase allowable development density to help reduce overall water use

Non-Renewable Water
 Lift the County's 300-year rule on groundwater in high density development. For more information, visit:

[Suggest another](#)

★ ★ ★ ★ ★

★ ★ ★ ★ ★

★ ★ ★ ★ ★

Comment

Comment

Next Category

Water Providers Survey Progress Snapshot as of Friday, Jan 19, 2018 at 8:00am

Provider Name	Survey Complete
4 Way Ranch Md 1	No
Academy Wsd	No
Bobcat Meadows Md	No
Calhan Town Of	No
Cascade Metro District No 1	Yes
Cathedral Pines Metro District	No
Cherokee Md	Yes
Cheyenne Mtn Air Force Station	No
Colorado Centre Md	No
Colorado Springs Utilities	No
Donala Wsd	Yes
Ellicott Elem Sr High School	No
Ellicott Plaza	No
Ellicott Town Center Metro District	No
Falcon Heights Poa	No
Falcon Highlands Md	Yes
Forest Lakes Md	Yes
Forest View Acres Wd	No
Fountain City Of	Yes
Fountain Valley Authority	No
Garden Valley	No
Garden Valley Water & Sanitation District	No
Glen The Metropolitan Districts 1-3	No
High Plains Ranch Metro District	No
Lake of the Rockies Metropolitan District	No
Latigo Creek Metro District	No
Manitou Springs City Of	No
Meridian Service Md	Yes
Monument Town Of	Yes
Norris Ranch Metropolitan District Nos. 1 and 2	No
Overlook Mutual Wc	No
Paint Brush Hills	No
Palmer Lake Mobile Home Ranch	No
Palmer Lake Town Of	No
Park Forest	No
Peterson Air Force Base	No
Peyton Pines	No
Pinon Pines Metro District	Yes
Pioneer Lookout Wd	No
Prairie Estates	No



El Paso County Water Master Plan Guiding Documents

Winter 2017-2018

El Paso County Water Authority Water Report, 2002

The Countywide plan gives guidance on policy to meet the current and future needs of customers. Water supply evaluation assessed historical, current and future water demands.

[Executive Summary](#) | [Full Report](#)

Pikes Peak Regional Water Authority Water Infrastructure Planning Study, 2008

Regional infrastructure plan to maximize and optimize the use of existing water resources and infrastructure; develop an interim water supply strategy until a renewable water supply is available; and evaluate and implement terminal storage facilities for a future renewal water supply.

[Executive Summary](#) | [Full Report](#)

Pikes Peak Regional Water Authority Infrastructure Study, 2015

The study evaluated the feasibility of developing a regional infrastructure system to increase current use efficiency and gain access to renewable supplies for the seven member areas.

[Executive Summary](#) | [Full Report](#)

Arkansas Basin Roundtable: Basin Implementation Plan, 2015

This plan evaluates the water resources needs of the Arkansas Basin, with goals, measurable outcomes and an analysis of use types, projects and methods to meet these goals.

[Executive Summary](#) | [Full Report](#)

City of Aurora Landscape Manual, 2016

The manual specifically notes standards for xeriscape landscaping in section A.

[Manual](#)

Upper Black Squirrel Creek Basin Aquifer Recharge and Storage Evaluation, 2008

New field data for the Upper Black Squirrel Creek Basin, approximately 350 square miles, was integrated with information from previous studies for the purposes of identifying potential sites for aquifer recharge and storage implementation within the alluvial aquifer system.

[Summary and Conclusions](#) | [Full Report](#)

Statewide Water Supply Initiative (SWSI), 2010

This statewide plan looks at ways to enhance available information and can be used for regional water planning. It should inform existing and future water supplies and demands, and possible means of meeting both consumptive and non-consumptive water supply needs.

[Executive Summary](#) | [Full Report](#)

Colorado Water Plan, 2015

This Statewide plan sets forth measurable objectives, goals, and actions by which Colorado will address its projected future water needs and measure its progress.

[Executive Summary](#) | [Full Report](#)

Town of Castle Rock Landscaping and Irrigation Performance Standards, 2015

The standards aim to promote water conservation, encourage appropriate use of materials, increase public safety and facilitate successful projects.

[Performance Standards](#)

Pikes Peak Regional Water Authority, Area 3 Preliminary Engineering Report, 2017

This report explores the costs to make renewable water source investments in Area 3 to ensure that there is a consistent water source continuing beyond 2050.

[Executive Summary](#) | [Full Report](#)

Engage in the El Paso County Water Master Plan development, visit:
elpasocounty.metroquest.com



EL PASO COUNTY WATER MASTER PLAN

Steering Committee Kick-off Meeting

November 20, 2017, 11:00 AM – 12:30 PM
Regional Building, Hearing Room and Conference Rooms A & B
2880 International Circle, Suite 110
(Lunch will be provided by the County)

- 1. Introductions (10 Min.)**
- 2. Purpose of the El Paso County Water Master Plan (10 Min.)**
 - State Water Plan – Projected Gap
 - I.D. Goals and Objectives
 - New Growth – Water Supply
 - Water Efficiency – Land Use Planning
- 3. Steering Committee Purpose (5 Min.)**
- 4. Water Master Plan – Tasks (35 Min.)**
 - *Project Management and Public Outreach:* Will Koger
 - *Mapping and Data:* Mary Presecan
 - *Land Use:* Jonathan Moore
 - *Demand and Supply:* Mary Presecan
 - *Regionalization:* Jonathan Moore
 - *Landscaping Standards:* Mary Presecan
 - *Water Conservation Models:* Will Koger
 - *Water Reuse:* Will Koger
 - *Regulatory Modification:* Jonathan Moore
 - *Plan Implementation:* Will Koger
- 5. Public Participation (Tom Browning and Anne Kuechenmeister) (10 Min.)**
- 6. Schedule (5 Min.)**
- 7. Current Status (5 Min.)**
- 8. Steering Committee (10 Min.)**
 - Regular Meetings
 - Reviews

Anne Kuechenmeister
Tom Browning
Mary Presecan

EL PASO COUNTY



COMMISSIONERS:
DARRYL GLENN (PRESIDENT)
MARK WALLER (PRESIDENT PRO TEMPORE)

STAN VANDERWERF
LONGINOS GONZALEZ
PEGGY LITTLETON

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
CRAIG DOSSEY, EXECUTIVE DIRECTOR

County Water Master Plan Steering Committee Sign In Sheet November 20, 2017

Name	Sign In
Melissa Andrews	<i>Melissa Andrews</i>
Gary Barber	<i>GB</i>
Jenny Bishop	<i>Jenny Bishop</i>
Tom Browning	<i>Tom Browning</i>
Randy Case	<i>Randy Case</i>
Dave Doran	
Craig Dossey	<i>Craig Dossey</i>
Mike Fink	<i>Mike Fink</i>
Raimere Fitzpatrick	<i>Raimere Fitzpatrick</i>
Jay Frost	
Tom Gonzales	
Raul Guzman	<i>(via conf. call)</i>
Jerry Hannigan	<i>J. W. Hannigan</i>
Will Koger	<i>Will Koger</i>
Anne Kuechenmeister	<i>Anne Kuechenmeister</i>
Joan Lucia-Treese	<i>Joan Lucia Treese</i>
Jonathan Moore	<i>Jonathan Moore</i>
Kip Peterson ^e	<i>Kip Peterson</i>
Mary Presecan	<i>Mary Presecan</i>
Kevin Walker	<i>Kevin Walker</i>



2017 County Water Master Plan Steering Committee

PERSON	ASSOCIATION(S)	ADDRESS	EMAIL/PHONE
Jay Frost	Farmer/Rancher		Jayfrost@gmail.com 719-491-1789
Melissa Andrews	School District 49	10850 E Woodmen Road Falcon, CO 80831	mandrews@d49.org 719-494-8997
Gary Barber	Arkansas Basin Round Table (Basin Coordinator)		barbergl1976@gmail.com 719-660-0948
Mike Fink	City of Fountain (Rep Municipal providers & S. side of C. Springs)		mfink@fountaincolorado.org
Kip Peterson	Pikes Peak Regional Water Authority (PPRWA) Donala Water and Sanitation District		Kipp@donalawater.com 719-488-3603
Jenny Bishop	Colorado Springs Utilities		jbishop@csu.org
Kevin Walker	Housing and Building Association		kwalker@walkerstrategiesllc.com Kevin Walker (kevin.w@wsdistricts.co) 719-447-1777 or 719-331-5480 (cell)
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Jerry Hannigan	Citizen		jerryh.epc.boa@gmail.com 719-481-8292, 303-660-6262
Joan Lucia-Treese	El Paso County Planning Commission	9116 Chieftan Dr. Colorado Springs, Co 80925	jluciatreese@gmail.com 719-660-6022
Dave Doran	Upper Black Squirrel Groundwater		tdoran89@gmail.com 719-648-2242, 719-347-2110
STAFF AND CONSULTANTS		PHONE	EMAIL
Craig Dossey		719-520-7941	craigdossey@elpasoco.com
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Pikes Peak Regional Development Center Meeting Room Policy & Guidelines

Policy:

Individuals and groups shall be able to use certain rooms in the Pikes Peak Regional Development Center (PPRDC), including the Hearing room, the Chambers room, Rooms A-B, and the Audio Visual room. The typical meetings held are the City Planning Commission, the County Planning Commission, Colorado Springs Fire Department, workshops and non-profit meetings.

Priority Use of the Facility:

The Hearing room, the Chambers, Rooms A-B, and the Audio visual rooms are reserved by the tenants of the building for regularly scheduled meetings. Other workshops and non-profit meetings will be scheduled on a first come, first served basis.

Scheduling:

Rooms may be reserved during PPRDC's regular business hours, from 7:30 a.m. to 4:30 p.m., Monday through Friday. Meetings after hours and/or County-City Holidays will require Security to be in the building at a charge of \$27.50 per hour. To reserve a room, you must submit a signed policy form along with details of requested dates. Contact telephone numbers to Reserve an El Paso County Security Officer is Nina Phelps at (719) 520-6529 or (719) 499-5099.

Reoccurring meetings must submit a signed policy every year or when responsibility changes hand, along with an annual schedule.

For the use of these areas contact the Common Area Maintenance, Cheryl Mondragon, at (719) 327-2913, email: cheryl@pprbd.org/ Fax #327-2988.

Fees:

City of Colorado Springs entities, El Paso County entities, and Pikes Peak Regional Building Department are able to use the Hearing Rooms free of charge as tenants of the PPRDC. All outside entities will be charged the following fees:

\$300.00 for use of any one room without food;

\$500.00 for use of any one room with food;

\$50.00 additional to reserve each of the other Rooms, for Conference Rooms A-B and/or

\$50.00 for the Chambers Room, when the Hearing Room is also reserved.

Use Guidelines:

Users will be responsible for any damages and/or property loss.

When scheduling meetings please add time for set up and clean up.

The maximum number of people permitted in the Hearing Room cannot exceed 198 people.

No alcohol is allowed in the PPRDC.

No smoking is allowed in the PPRDC.

No food is allowed in the Hearing room area.

Please wipe up spills and place large pieces of trash by the trashcans. Trashcans provided do not need to be emptied. If the event is large and requires larger trashcans, you must bring them. Trash in larger trashcans, provided by you, is required to be disposed of by completion of the reservation. Please contact Security for access to the dumpsters.

No open flame, including candles or other incendiary devices or effects, is allowed in the PPRDC.

No cooking in the kitchen areas is allowed, except the use of a microwave oven and coffee machine.

No electrical, gas, propane or other cooking devices of any kind may be brought into the PPRDC for the scheduled meeting.

The Coffee Bar in the building can be hired for an event. Please contact 327-2989. Coffee bar area, including sinks and other equipment, **cannot** utilized.

Entrances and Exits must not be blocked at any time.

Anyone using the Hearing rooms will be issued a furniture lay out map. Before leaving the building, the furniture must be put back in its original location.

If you would like to hang anything on the walls, small tacks or wall putty must be used.

*Audio visual equipment can only be operated by specific City or County IT personnel, and you are responsible for contacting the designated IT personnel to arrange for these services. Point of Contact for use of the Audio Visual Equipment at Pikes Peak Regional Building is the El Paso County IT Help Desk at (719) 520-6355 or Joe Yates at (719) 444-5536 or (719) 362-7234.

Cancellation: The reservation may be canceled at any time.

You are responsible for any damage to the building, audiovisual equipment and/or furniture.

FAILURE TO ABIDE BY THESE GUIDELINES SHALL BE CAUSE OF DENIAL FOR FUTURE USE.

The Pikes Peak Regional Building Department may revise or cancel this policy at any time.

On behalf of EPC Planning & Community Development I agree to follow the above stated terms and conditions.

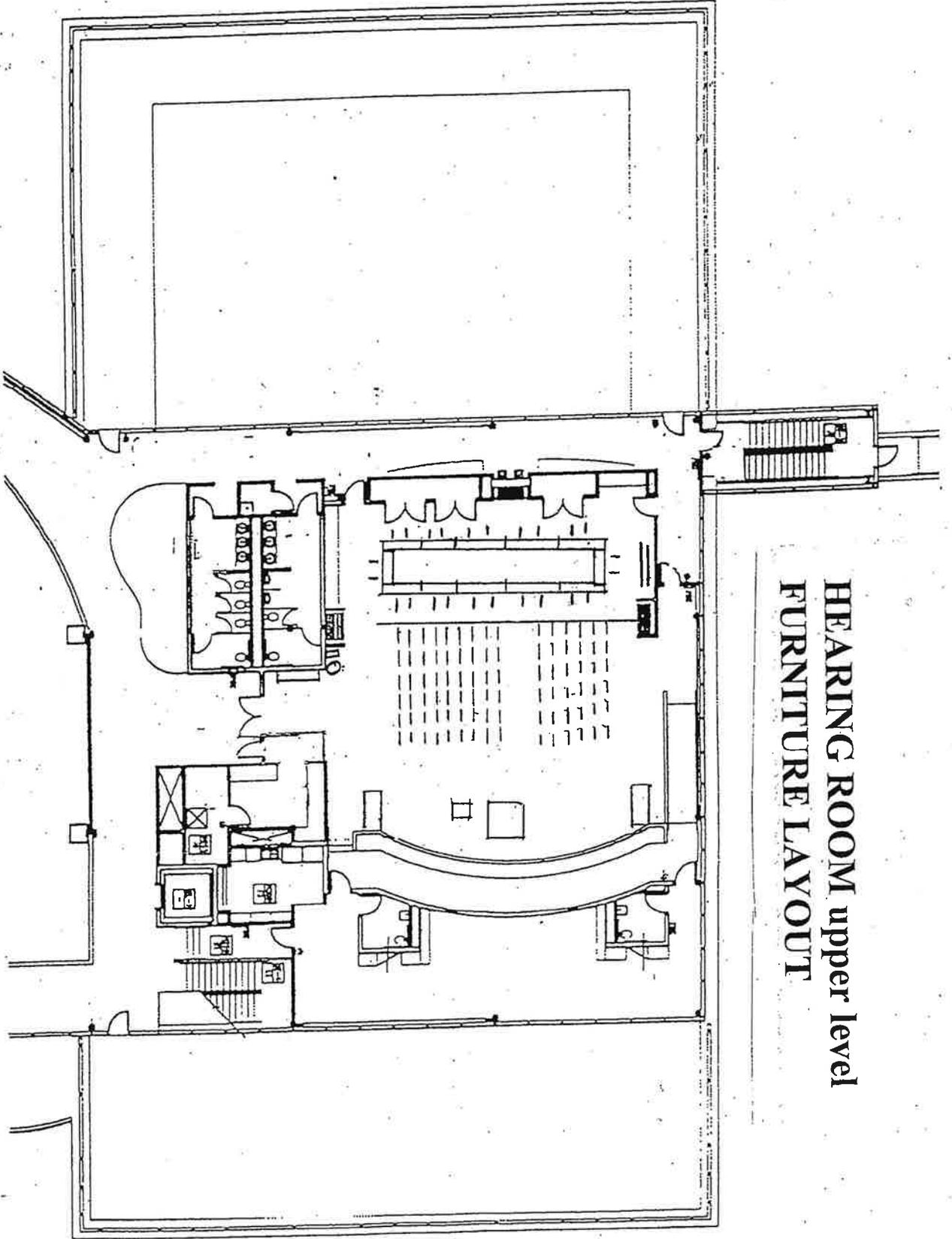
Meeting title /date: Co Water Master Plan Steering Committee 11/20/17
10³⁰ am - 1³⁰ pm

Tracey Garcia
Signature:

Tracey Garcia Date: 11/14/17

*Attachments: Hearing room furniture layout maps.

**HEARING ROOM upper level
FURNITURE LAYOUT**



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Craig Dossey ✓

Co Water Master Plan Steering Comm

11-12-10

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Staff and Consultant			Staff

either date

OK 9/13 9/20

OK 9/13 Peter Abo Basin fine

either

out video conf?

CONF call

Call this #

2011

either 10/13 prefer 2011

- Mark Gebhart 719-520-6323 markgebhart@elpasoco.com
- Raimere Fitzpatrick ✓ 719-520-6302 (719) raimerefitzpatrick@elpasoco.com
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- Jonathan Moore ✓ 720-214-5884 / 719-964-6654 jmoore@forsgren.com

Dave Doran

1/16

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EL PASO

COMMISSIONERS:
DARRYL GLENN (PRESIDENT)
MARK WALLER (PRESIDENT PRO TEMPORE)



COUNTY

STAN VANDERWERF
LONGINOS GONZALEZ
PEGGY LITTLETON

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
CRAIG DOSSEY, EXECUTIVE DIRECTOR

El Paso County Water Master Plan Steering Committee

Meeting Minutes for November 20, 2017

In Attendance:

Melissa Andrews

Gary Barber

Tom Browning

Randy Case

Craig Dossey

Raimere Fitzpatrick

Raul Guzman (via phone conference)

Jerry Hannigan

Will Koger

Anne Keuchenmeister

Joan Lucia-Treese

Jonathan Moore

Kip Petersen

Mary Presecan

Kevin Walker

Forsgren Associates, Inc. created the format agenda and facilitated the meeting of the El Paso County Water Master Plan Steering Committee (EPC WMP). The following is a summary of the meeting and any comments/questions directed to the consultants.

Purpose of the EPC WMP: The "Plan" will look at current conditions, water supply projections and how to better craft the County's policies and regulations to protect this critical resource and our quality of life. By 2050, it is estimated that El Paso County is projected to have a water shortage of 35,000 acre fee, or enough water to serve approximately 88,000 homes. The plan will look at current practices and how land-use impacts water demand to determine tools to reduce demand and protect this vital resource. This Plan will promote regional cooperation and includes the following topics for evaluation:

Public Outreach
Mapping and Data
Land Use
Demand and Supply
Regionalization

Landscaping Standards
Water Conservation Models
Water Reuse
Regulatory Modification
Plan Implementation

PowerPoint Presentation by Forsgren Associates, Inc.

Purpose of the El Paso County Water Master Plan

- State Water Plan – Projected Gap
- I.D. Goals and Objectives
- New Growth – Water Supply
- Water Efficiency – Land Use Planning

2880 INTERNATIONAL CIRCLE, SUITE 110
PHONE: (719) 520-6300



COLORADO SPRINGS, CO 80910-3127
FAX: (719) 520-6695

Water Master Plan – Tasks

- Project Management and Public Outreach
- Mapping and Data
- Land Use
- Demand and Supply
- Regionalization
- Landscaping Standards
- Water Conservation Models
- Water Reuse
- Regulatory Modification
- Plan Implementation

Questions/Comments:

- It was requested that the list of 68 water providers be shared with the Committee.
- Can the list also include wastewater providers? Stormwater?
- Can ditch companies also be included in the study since they move and exchange water?
- What baseline data should we familiarize ourselves with? Chapter 10 State Water Plan? Groundwater Study?
- There's a great opportunity for public education and outreach with this Plan.
- When will the website be available to view all the notes and timeline goals?
- Can we look at other standards from areas like Douglas County or Aurora or Castle Rock?
-

El Paso County Water Master Plan

*Presented to the
Steering Committee*

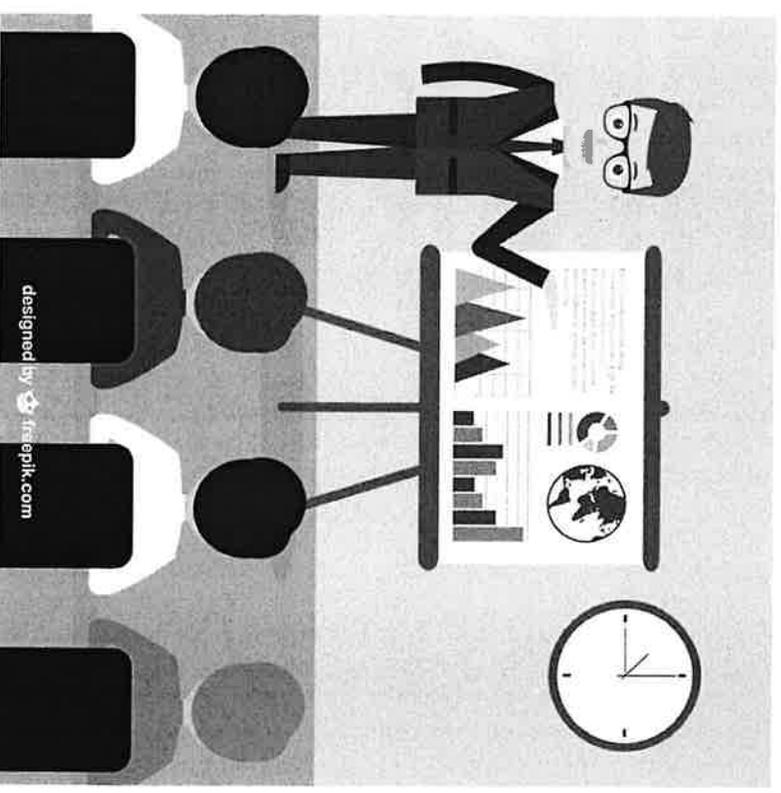
November 20, 2017

FORSGREEN
Associates, Inc.

Photo by Freepik

Water Master Plan Tasks

- Project Management & Public Outreach (Will)



Mapping and Data Development (Mary)

1. Update (or develop) County Datasets

- Water service areas
- Existing facilities
- Projected facilities

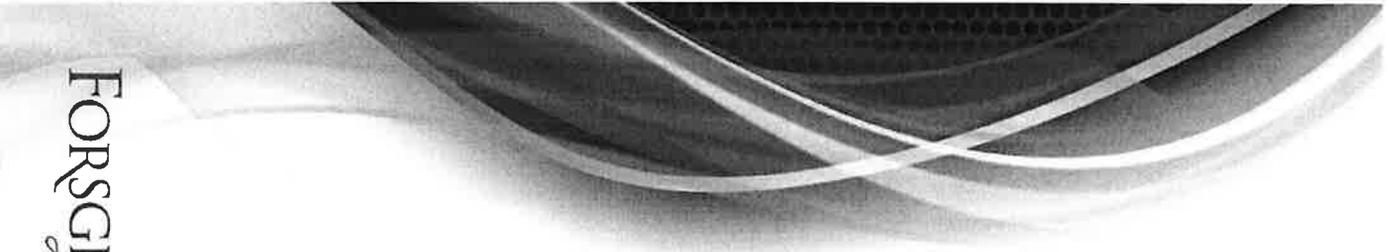
2. Document Existing and Potential Future Interconnections

3. Identify physical and institutional opportunities and barriers to

FORSGREN cooperative water planning

Associates, Inc.

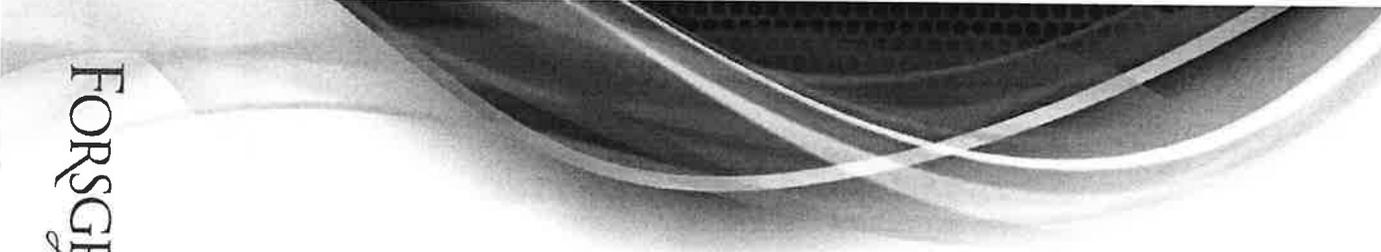




Land Use and Socioeconomic Scenario Development (Jonathan)

1. Where is land being developed?
 - Today, 2040 & 2060
2. Review of 2016 Major Transportation Plan growth data
3. Review of Colorado Water Plan projections

COLORADO'S COLLABORATING
WATER PLAN ON COLORADO'S
WATER FUTURE



Demand and Supply Analysis (Mary)

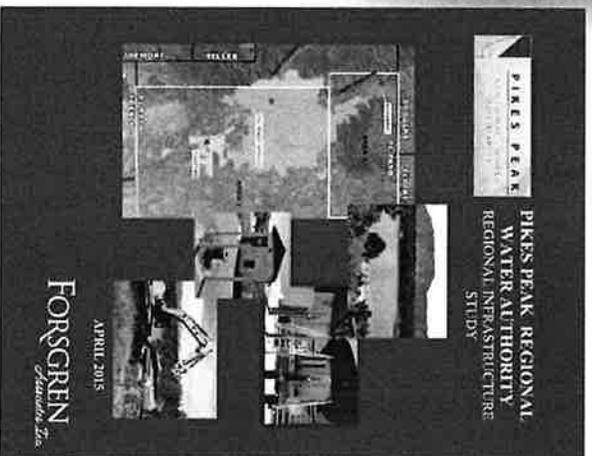
1. Summarize Water Demand
 - Current, 2040, 2060+
2. Summarize Water Supplies
 - Current, 2040, 2060+
 - By Type and District
3. Water inventory of County owned property
4. Evaluate impact of PFC contamination on water supplies

“Under medium population growth assumptions, the Arkansas Basin population is expected to grow approximately 78 percent between 2008 and 2050, although select subregions will experience declines in population. Much of this growth will be in El Paso County.”

- Ark BIP, April 2015

Regionalization Alternatives (Jonathan)

1. Pikes Peak Regional Water Authority Work
2. Colorado Springs Integrated Water Resource Plan (IWRP)



Development of Water Conscious Landscaping Standards (Mary)



rcwilley.com

1. Review Existing El Paso County Landscaping Regs
2. Benchmark Against Other City/County Standards
3. Obtain Input on Modification Recommendations

Water Conservation Guidance Documents (Will)

*"Every discussion about water should start with conservation."
– Gov. John Hickenlooper*

- Conservation Goals
- Rate and Fee
- Nonpotable Irrigation Trends
- Renewable & Reusable Water Sources



Water Reuse (Will)

1. Where Reuse Might be Available
 - Irrigation
 - Indirect Potable
2. Reuse Currently in the County
3. Benefits of Reuse

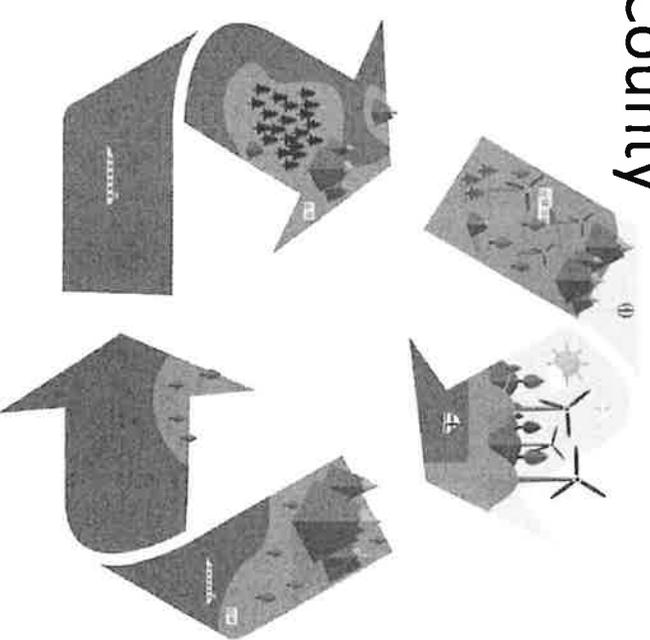


Image by Freepik

Recommendations for Regulatory Modifications (Jonathan)

1. Effects of the 300-Year Rule
2. Incentives for Development
 - Reduced tap fees
 - Greater Density





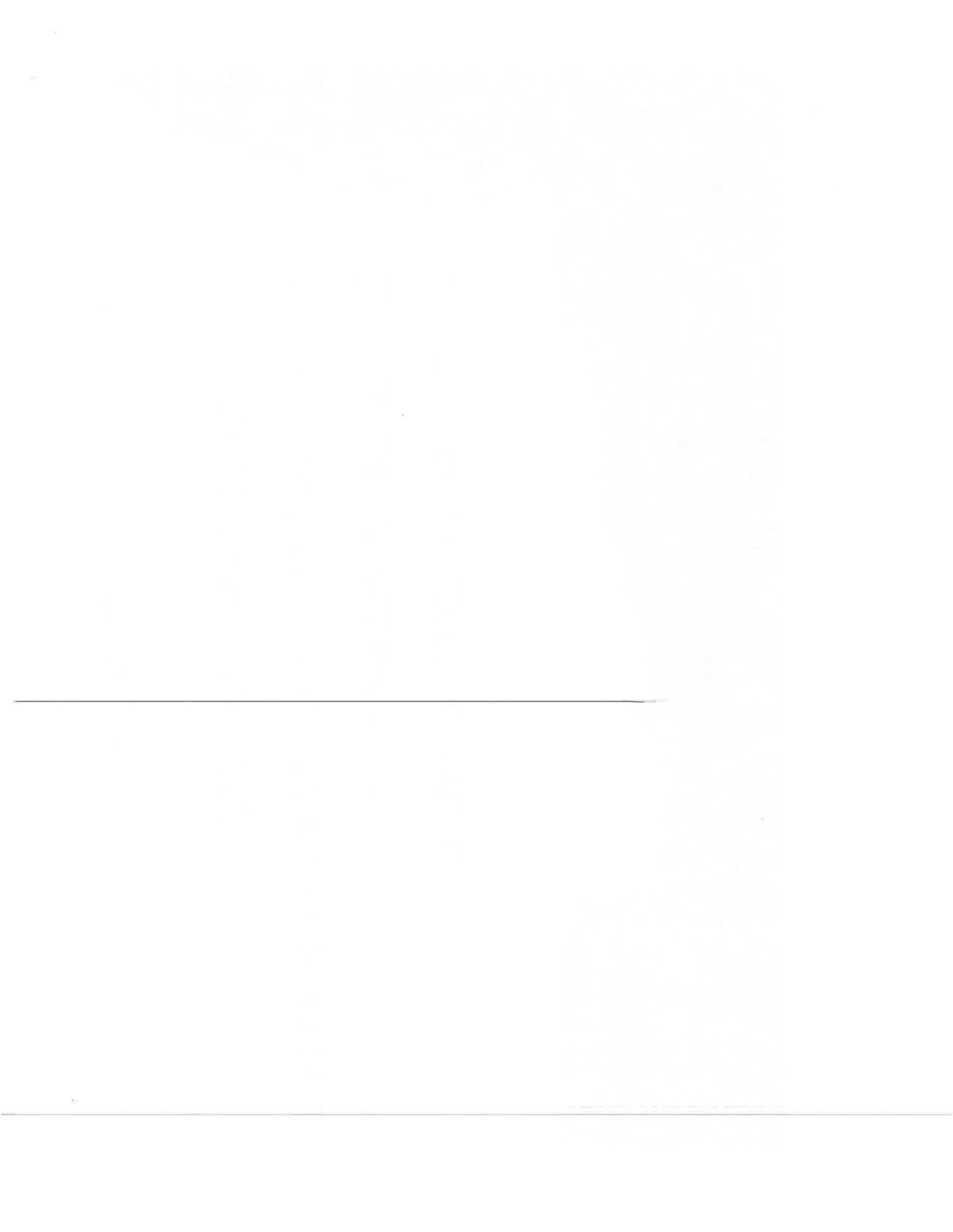
Plan Implementation (Will)

1. A Tool for Land Planning
2. Provide information on water providers
3. Identify issues early on
4. Part of the Letter of Intent

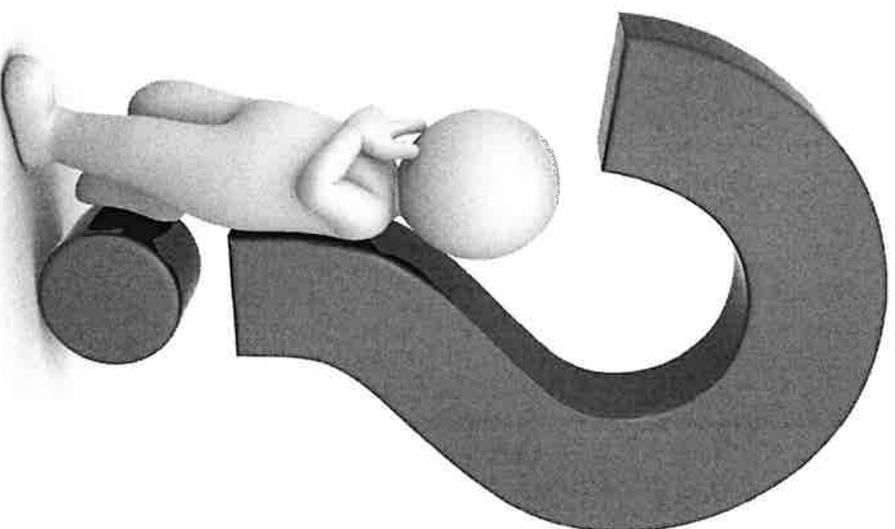


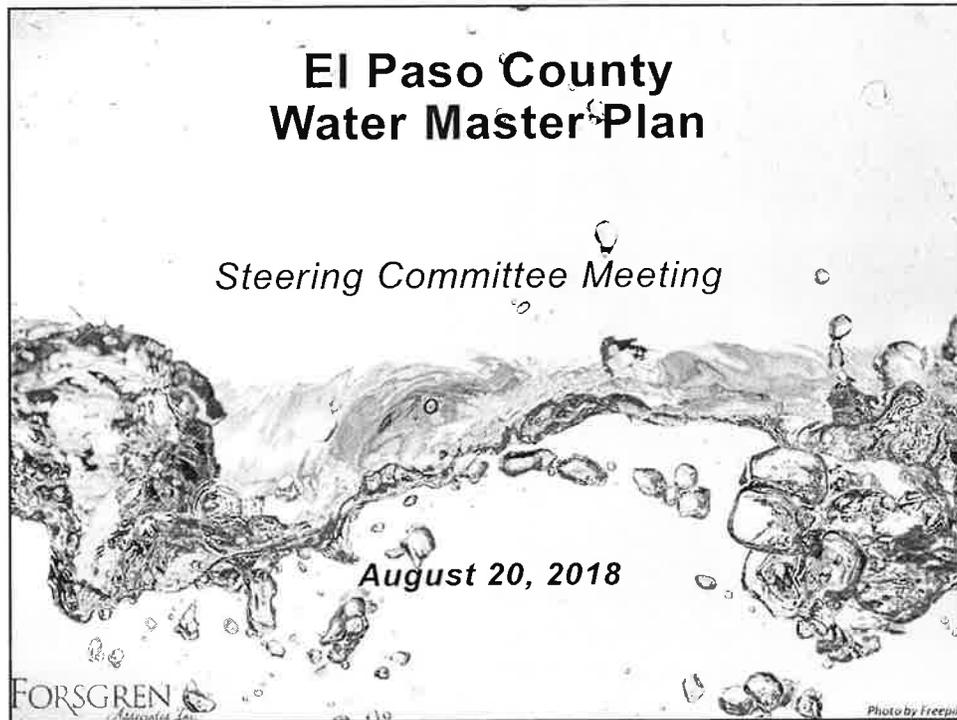
EL PASO COUNTY
C O L O R A D O

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Questions





Project Overview

- Public Participation –
- Regional Areas
- Supply and Demand
- Future Growth (comments)
- Landscaping standards
- Regionalization
- **Regulatory Modification (300-year rule)**

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Tasks

Renewable water examples

Water Provider A

- Demand 1000 AFY
- No renewable water
- 1000 AFY Denver Basin (DB) at 100-year rule
- If apply the 300 - year rule, then Water Provider A needs 3000 AFY of supply

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Tasks

Renewable water examples

Water Provider B

- Demand 1000 AFY
- 400 AFY = renewable
- 600 AFY Denver Basin (DB) at 100-year rule
- Water Provider B needs 1800 AFY of DB supply (total 2200 AFY)

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Solutions, Inc.

Tasks

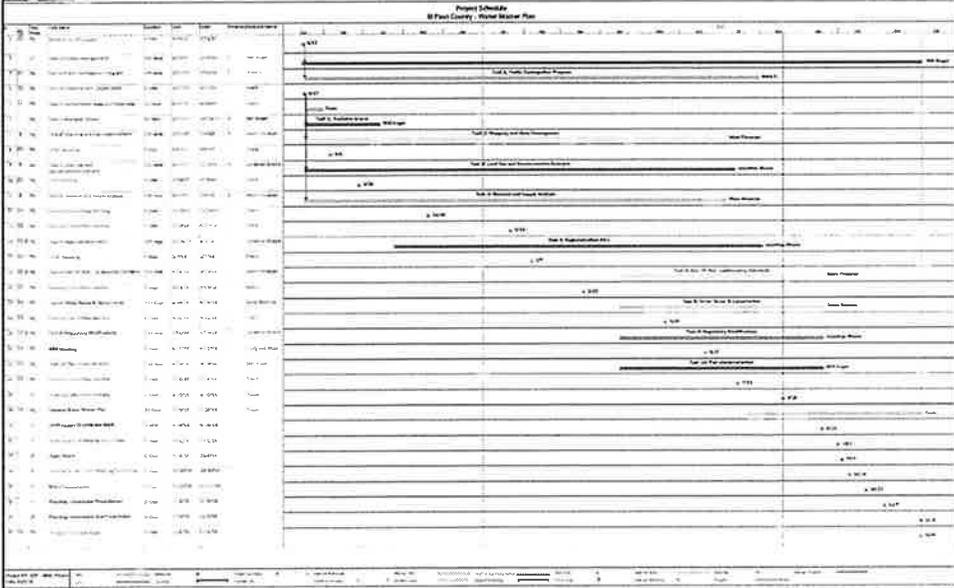
Renewable water examples

Water Provider C

- Demand 1000 AFY
- 500 AFY = renewable
- 500 AFY Denver Basin (DB) at 100-year rule
- Only needs 1000 AFY



Schedule



The screenshot shows a detailed project schedule for the 'W Pool County - Water Master Plan'. The chart is organized into several phases, each with a corresponding Gantt bar indicating duration and dependencies. The phases include:

- Phase 1:** Initial planning and data collection.
- Phase 2:** Data analysis and model development.
- Phase 3:** Model validation and scenario development.
- Phase 4:** Final report preparation and presentation.

The Gantt chart uses color-coded bars to represent different tasks and their interdependencies. Key milestones are marked with vertical lines, and the overall project timeline is clearly delineated.

Schedule

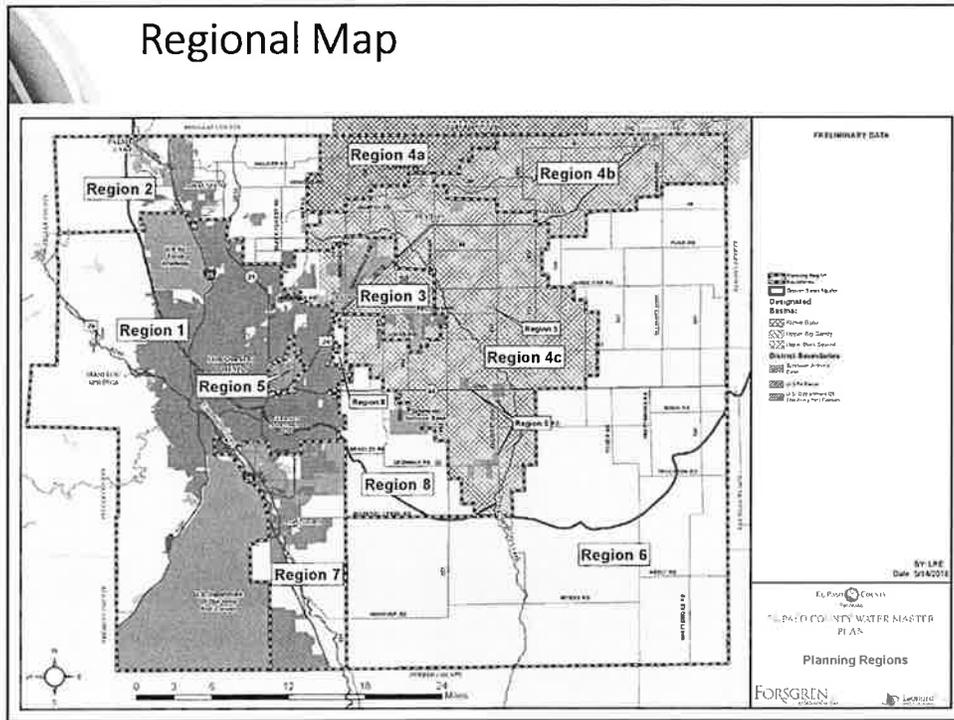
26		Draft Report to Craig and Mark	0 days	8/13/18	8/13/18		
27		Draft Report to Steering Committee	0 days	10/1/18	10/1/18		
28		Open House	0 days	10/4/18	10/4/18		
29		Comments back from Steering Committee	0 days	10/10/18	10/10/18		
30		BOCC Presentation	0 days	10/22/18	10/22/18		
31		Planning Commission Presentation	0 days	11/6/18	11/6/18		
32		Planning Commission 2nd Presentation	0 days	11/14/18	11/14/18		
33	PM	Project Completion	0 days	12/4/18	12/4/18		

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Steering Committee

- Comments/Discussion
- Next Meeting – October 10th

FORSGREN
Associates, Inc.



Memorandum

Garald L. Barber, Sole Proprietor

P.O. Box 1976

Colorado Springs, CO 80901

To: El Paso County Water Master Plan Steering Committee

CC: Forsgren Associates, Inc., Craig Dossey, Mark Gephardt, Tracy Garcia, Mark Scott

From: Gary Barber

Date: October 24, 2018

Re: Review of Draft Water Master Plan Document

Committee Members:

I have reviewed the DRAFT Water Master Plan document and offer the comments below. This El Paso County initiative was accepted by the Colorado Water Conservation Board as matching funds for a Colorado Water Plan Supply and Demand Gap grant approved for the Pike Peak Regional Water Authority in May, 2018. References to the PPRWA grant Tasks can be referenced to the task descriptions included in the table at the end of this memo. I offer the following:

1. Page E-3, second paragraph: *“Although most water providers have sufficient “paper” water rights, economic pumping rates dictate the amount of groundwater that can be withdrawn, this limiting a water provider to less than their paper water rights indicate. In some cases, there may not be enough reliable “wet water” to serve the buildout of development in the County over the long term.”* Later in the documents (page 53) the Plan determines *“the current water supply was assumed to be enough to satisfy the current demand and therefore current supply was equal to current demand.”* A definition of terms, or perhaps a glossary, might be helpful to clarify terms like *“paper water, wet water, supply, demand and surplus.”*
2. Page E-3, third paragraph: *“The projected gap in 2040 is 8,678 Acre-Feet per Year, and in 2060 55,433 AFY.”* What happens in that 20 year period? Is the gap attributable to growth only or other factors?
3. Page E-3, third paragraph: *“Reuse of wastewater return flow ...”* Consider substituting “fully consumable return flow” for “wastewater” since that wastewater is deemed creek water if discharged under permit. Later the discussion expands on reuse of wastewater for nonpotable applications, direct reuse to potable treatment and capture of fully consumable return flow as raw water within the County.
4. Page E-3, first paragraph, second column: *“El Paso County implemented a 300-year water supply subdivision regulation for Denver Basin groundwater in 1986, with the intent of encouraging land developers to bring in additional renewable water sources.”* Is there a reference or citation for this

statement? Does the County have the minutes of the BOCC meeting where the 300 Year rule was instituted? This might be helpful if anyone contests this statement.

5. Page 1, Introduction, Goals and Objectives. “*Goal – Ensure an adequate water supply in terms of quantity and quality for existing and future development.*” Under separate cover is C.R.S. 29-20-301, which provides a statutory definition of “adequate” for jurisdictions with land use authority. You might consider including the statute in an appendix or the term “adequate” in a footnote¹.

6. Page 31, first paragraph and table: “*However, the groundwater levels are declining while the costs to pump water from the basins continues to increase.*” You might consider making distinction between Region 2 and Region 3 in Table 4-1 with respect to depth, thickness and average saturated thickness.

7. Page 58, second paragraph: “*The gap analysis presented herein does not take into consideration any reduction in current supplies for factors such as declining water levels in the Denver Basin aquifer or climate change. Any reduction in existing water supplies would increase the gap for El Paso County.*”

8. Page 58, third paragraph, graphics pages 59 & 60: “*However, the northern regions of the County are heavily reliant on Denver Basin, and designated basin groundwater. The economic viability of those sources is expected to decline over time, increasing the gap beyond these projections.*” In 2040, Regions 2 & 3 are the only portions of the County showing surplus water supply and in 2060 only Region 2 is shown with a surplus. Defining the terms supply and surplus may help qualify these tables with respect to the 100-year statutory pumping limit of Denver Basin aquifer wells.

9. Page 61, first paragraph: “*Denver Basin groundwater is being mined, but by working together we can help this resource last for generations to come.*” Consider adding a clarifying statement about reuse, conjunctive use and aquifer storage & recovery to buttress this assertion. These strategies are highlighted later in this section.

10. Page 79, PPRWA Water Infrastructure Plans: Consider adding a website or other citation for readers who would like to access the PPRWA studies.

11. Page 80, Widefield Aquifer: Prior to public review of the WMP, update the status of the wells that have been “*shut down.*”

12. Page 85, Figure 6-10: The Figure is attributed to Woodmoor Water and Sanitation. Is this a public document, and if so, where can it be obtained?

13. Page 86, sixth paragraph: “*The County has proposed to defer to the State’s 100 Year rule for cases in which all of the following conditions apply: ...*” Consider using the term “Adequate water supply”

¹ 1) “Adequate” means a water supply that will be sufficient for build-out of the proposed development in terms of quality, quantity, dependability, and availability to provide a supply of water for the type of development proposed, and may include reasonable conservation measures and water demand management measures to account for hydrologic variability.

as one which offers conjunctive use of renewable sources with Denver Basin aquifer supplies at the statutory 100-Year depletion rate. Therefore, the 300-Year Rule can be waived because the developer is providing an adequate water supply.

14. Page 87, Water Imports: “*the Wyoming-Colorado coalition*” Kip might know the status of this entity, which I believe was a Title 29 Water Authority. Given the current angst over the future of the Colorado River Compact (Let the Water Wars Begin, October 1, 2018, provided under separate cover) it might be appropriate to describe transbasin imports as beyond the scope of the WMP.

15. Page 87, Alluvial Storage: “*However, each situation is unique and needs to be studied.*” The PPRWA CWP follows this suggestion in Task 5. There is also a Widefield Aquifer Recharge Association proposed project in the Widefield aquifer. Gary Thompson of Wheeler and Associates could perhaps update the status of that aquifer storage study.

16. Page 89, Recommendations: “*Support efforts by water providers to obtain renewable water supplies through collaborative efforts and regionalization.*” Task 3 of the PPRWA study, “CSU Opportunities and Constraints,” is intended to illuminate specific items where El Paso County support can apply. An example is the Drainage Criteria Manual and its relationship to the Fountain Creek Watershed, Flood Control and Greenway District’s charge under the Pueblo County 1041 Permit for the Southern Delivery System. Support should also include, in my opinion, monetary support for future grants, either cash and/or in-kind, for water resource initiatives that address future water supply gaps.

17. Page 100, first six (6) bullets in column one, last bullet in column two: These bullets all suggest monitoring or studies to increase understanding of the quantity and quality of source water within El Paso County. As the County proceeds to an updated Comprehensive Plan based, in part, on the WMP, I strongly encourage a permanent line item in future County budgets to support these recommendations. The next ten years, in my opinion, will determine the extent of the future municipal water supply gap. You can’t manage what you don’t measure. Task 1 of the PPRWA study, Assess Groundwater Depletions, will provide a proposal from USGS for a Scientific Investigation Report regarding the Denver Basin Aquifers, the primary source of supply for much of the County.² USGS can provide matching funds for the SIR, but funding from other sources will be required.

18. Page 101, second bullet in column one: “*Recognize the water supply limitations inherent in each of the regional planning areas, with particular emphasis placed on Regional Planning Area 3 (Falcon)*” Suggest you reconcile this statement with the 2040 Gap and Surplus Figure 5.12 showing a surplus of 187 AF.

19. Page 101, fifth bullet in column one: “*Quantify projected water supply gaps at build-out (2060).*” I suggest you distinguish between Region 1, Regions 2, 3 & 5, and the remaining regions in the WMP. Is there a contemplated strategy for the recommendation or is this a future study?

² WMP, Figure 4-3 67%.

20. Page 101, sixth bullet in column one: "Assist water providers, to the greatest extent practicable, in any future efforts to prepare demand forecasts by sharing information..." Is there a role here for PPACG? Could future WMP updates be coordinated with the Long Range Transportation Plan and its predictions regarding growth?

21. The excerpt below is from the Pueblo County 1041 Permit for SDS about future use of that facility for delivery of water to third parties who were not original SDS partners:

5.2 Carriage Of Water To Entities That Are Not SDS Project Participants

Although Applicant has no existing permits or agreements with third parties not listed as Applicants on 1041 Permit Application Number 2008-002, except all existing service agreements already disclosed to Pueblo County, it does not intend to foreclose the potential of making additional agreements for the long-term delivery of water to third parties via the SDS Project. In the event any such third-party contracts are entered into under which Applicant would deliver water to such a third-party in El Paso County, Applicant shall require that the following conditions be included in any contract, permit or agreement with such third-party:

<p>A. A clear acknowledgment of support for the Fountain Creek Watershed Flood Control and Greenway District, together with a commitment to participate in the financing of said district.</p> <p>B. A clear and irrevocable commitment not to serve property located outside of the natural drainage of the Arkansas River or to market, transfer, wheel, or otherwise provide water to properties or entities located outside the natural drainage of the Arkansas River.</p> <p>C. The adoption and maintenance of a financing mechanism similar to the Colorado Springs Stormwater Enterprise capable of financing, constructing and maintaining storm water detention and retention facilities intended to insure that the storm flows of the Fountain Creek Basin do not increase above existing conditions, along with the adoption and maintenance of regulations and ordinances requiring stormwater detention, retention and management no less strict than those in place in the City of Colorado Springs. This condition can only apply to such third parties who have the legal authority to regulate in this manner.</p> <p>D. An agreement to accept and comply with the City of Pueblo Flow Management Program and the Pueblo Recreational In-channel Diversion Decree both impacting the Arkansas River between Pueblo Dam and its confluence with Fountain Creek, in any application for a change of water rights or exchange implicating that reach of the river.¹</p>	<h2 style="text-align: center;">Extract of Pueblo County SDS 1041 Permit: Paragraph 5.2</h2> <p>E. Pro rata participation in any water quality monitoring or studies to the same degree and extent as undertaken by the Applicant under this permit, and</p> <p>F. Support of any studies of a flood control dam or dams on Fountain Creek.</p> <p>Upon the submission of contracts or agreements to Pueblo County evidencing the acceptance of the foregoing terms and conditions, Applicant shall be entitled to enter into third-party contracts for the delivery of water from Pueblo Reservoir to entities located in El Paso County or Teller County within the Arkansas River Basin. Nothing herein shall provide a right in the Applicant or any other entities to operate the SDS Project at a rate of flow in excess of 78 mgd without applying for and receiving an amended 1041 Permit satisfying any additional terms and conditions which might then be imposed.</p>
--	--

¹ The term "Pueblo RiCD" refers to case no. 01CW160, District Court, Water Division 2, Colorado.

3/19/2008 Page 3 of 14

GB

PPRWA Colorado Water Plan Grant Tasks

Task No. Task Description

1	Assess Groundwater Depletions
	Measure 43 wells with historic water level data
	Review Well Data and write Scientific Investigation Report proposal
	Review with EPC Water Master Plan Steering Committee(Note 1)
	Integrate Chapter into Final Report Document
2	Financial Capacity Survey and Projections
	Identify Providers
	Summarize total debt, funding sources & near-term capital expenditures
	Project Timing and capacity of subregional configurations
	Provide conclusions and recommendations
	Review with EPC Water Master Plan Steering Committee
	Integrate Chapter into Final Report Document
3	CSU Opportunities and Constraints
	Organize sub-regional working groups to review interconnections
	Interface with CSU water resource planners for opportunities and constraints
	Summarize constraints: policies, permits and City Code
	Provide specific project implementation strategies
	Integrate Chapter into Final Report Document
4	Reuse within El Paso County
	Interface with Transit Loss Model Committee & Division 2
	Identify current reusable return flow by location, timing and quantity
	Project scenarios for reuse projects
	Provide conclusions and recommendations
	Review with EPC Water Master Plan Steering Committee
	Integrate Chapter into Final Report Document
5	Alluvial Aquifer Storage Feasibility Study
	Determine target site for investigation with prospective participants
	Exchange infrastructure information
	Estimate design, cost to construct, permitting, timeline
	Coordinate raw water availability with SDS partners
	Integrate Chapter into Final Report Document
6	Administration
	Manage vendor invoices and submit to PPRWA
	Prepare and submit grant reimbursements
	Prepare and submit 6 mo. & final grant report



EL PASO COUNTY WATER MASTER PLAN

Steering Committee

August 20, 2018, 2:00PM – 3:30PM
Regional Building, Pikes Peak Conference Room
2880 International Circle, Suite 110

Project Review (10 Min.) Will Koger

- Overall master plan tasks

Regulatory Modifications - 300-year rule (75 Min.) Will/Jonathan

What is the 300-year rule?

Goals and Objectives

- Protect a resource
- Promote renewable water
- Renewable water = flow of rivers, streams, and recharge of aquifers generated from precipitation.

Proposal

- Promote renewable water - Reward those who have renewable water
- Promote diversified water portfolio
- Water providers that have less than 50% renewable water in their portfolio
- Water providers that have 50% or more renewable water in their portfolio -

Requirements for Renewable Water Providers

- Water providers that have less than 50% renewable water – stay at the 300-year rule
- Water providers at or above the 50% renewable goal
 - Added renewable water to their portfolio
 - Less pumping of Denver Basin water
 - Denver Basin rights default to the States 100-year rule
 - Water providers supply increases (see PowerPoint presentation)
 - State approved Conservation Plan
 - 100% reuse of return flows
 - Renewable water supply = Average Annual Yield as determined by the State
 - Drought year? 10-year Denver Basin pumping average?



Requirements for Reuse

Reuse of 100% Denver Basin return flows

- Augmentation of renewable water
- Irrigation (Direct)
- Potable Use
- ASR – Aquifer, Storage and Recovery

Steering Committee (5 Min.) Craig Dossey

- Comments/Discussion
- Next Regular Meeting

Big Picture Comments on WMP Draft

1. Page E-3, second paragraph: *“Although most water providers have sufficient “paper” water rights, economic pumping rates dictate the amount of groundwater that can be withdrawn, this limiting a water provider to less than their paper water rights indicate. In some cases, there may not be enough reliable “wet water” to serve the buildout of development in the County over the long term.”* Later in the documents (page 53) the Plan determines *“the current water supply was assumed to be enough to satisfy the current demand and therefore current supply was equal to current demand.”* A definition of terms, or perhaps a glossary, might be helpful to clarify terms like *“paper water, wet water, supply, demand and surplus.”*

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Big Picture Comments on WMP Draft

El Paso County Gap and Surplus Analysis By Region (Build-out 2060)

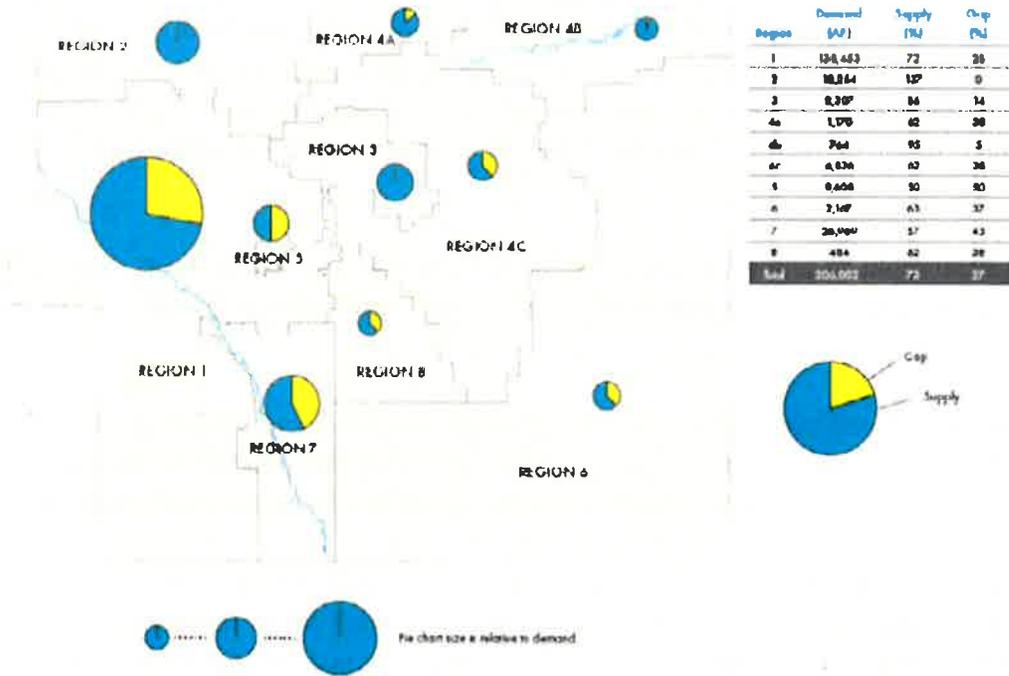
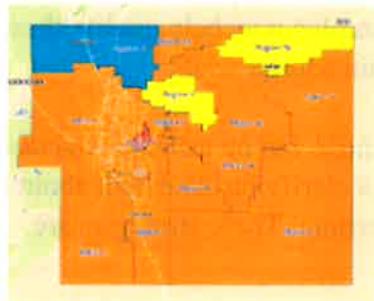


Figure 5.14- El Paso County Gap and Surplus by Region in 2060

Build-out Demands vs. Current Supplies



Build-out (2060) Water Supply Gap for El Paso County, Colorado

Region	Gap	Region	Demand (AF)	Supply (AF)	Surplus (AF)	Gap (AF)	Gap (%)
1	39,552	1	128,453	99,001	0	39,452	28
2	0	2	11,254	11,103	4,849	0	0
3	1,142	3	8,307	7,164	0	1,142	14
4a	445	4a	1,170	725	0	445	38
4b	42	4b	764	722	0	42	5
4c	1,856	4c	4,826	2,970	0	1,856	38
5	4,790	5	9,608	4,809	0	4,790	50
6	859	6	2,167	1,308	0	859	37
7	11,599	7	26,969	15,370	0	11,599	43
8	185	8	484	299	0	185	38
Total	55,432	Total	206,002	140,570	0	55,432	27

Build-out Demands vs. Current Supplies

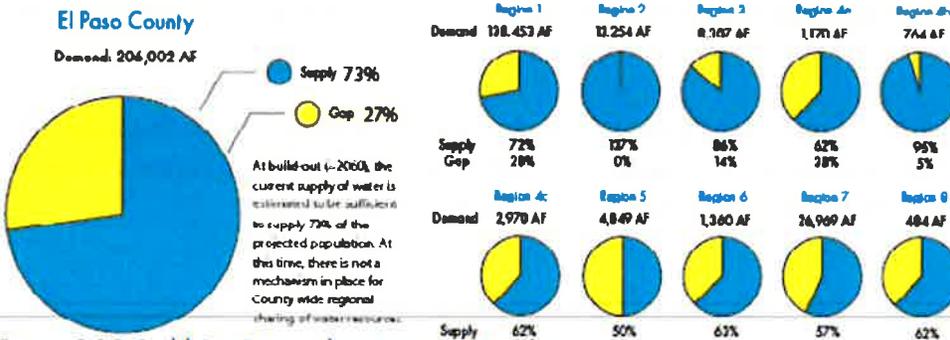


Figure 5.15- Build-Out Demands vs. Current Supplies

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
CRAIG DOSSEY, EXECUTIVE DIRECTOR

**El Paso County Water Master Plan Steering Committee
Meeting Minutes for November 20, 2017**

In Attendance:

Melissa Andrews
Gary Barber
Jenny Bishop
Tom Browning
Randy Case
Craig Dossey
Michael Fink
Raimere Fitzpatrick
Raul Guzman (via phone conference)

Jerry Hannigan
Anne Keuchenmeister
Will Koger
Joan Lucia-Treese
Jonathan Moore
Kip Petersen
Mary Presecan
Kevin Walker

Forsgren Associates, Inc. created the format agenda and facilitated the meeting of the El Paso County Water Master Plan Steering Committee (EPC WMP). The following is a summary of the meeting and any comments/questions directed to the consultants.

Purpose of the EPC WMP: The “Plan” will look at current conditions, water supply projections and how to better craft the County’s policies and regulations to protect this critical resource and our quality of life. By 2050, it is estimated that El Paso County is projected to have a water shortage of 35,000 acre fee, or enough water to serve approximately 88,000 homes. The plan will look at current practices and how land-use impacts water demand to determine tools to reduce demand and protect this vital resource. This Plan will promote regional cooperation and includes the following topics for evaluation:

Public Outreach	Landscaping Standards
Mapping and Data	Water Conservation Models
Land Use	Water Reuse
Demand and Supply	Regulatory Modification
Regionalization	Plan Implementation

PowerPoint Presentation by Forsgren Associates, Inc. (copies available via email)

Purpose of the El Paso County Water Master Plan

- State Water Plan – Projected Gap
- I.D. Goals and Objectives
- New Growth – Water Supply
- Water Efficiency – Land Use Planning

Water Master Plan – Tasks

- Project Management and Public Outreach
- Mapping and Data
- Land Use
- Demand and Supply
- Regionalization
- Landscaping Standards
- Water Conservation Models
- Water Reuse
- Regulatory Modification
- Plan Implementation

Questions/Comments:

- It was requested that the list of 68 water providers be shared with the Committee. *This list will be provided at the next steering committee meeting.*
- Can the list also include wastewater providers? Stormwater? *Not at this point, the scope of work only covers water providers.*
- Can ditch companies also be included in the study since they move and exchange water? *Yes, ditch companies will be added and addressed in the master plan.*
- What baseline data should we familiarize ourselves with? Chapter 10 State Water Plan? Groundwater Study? *The State Water Plan is a great resource to review. Forsgren will add additional studies to the project website for committee members to review.*
- There's a great opportunity for public education and outreach with this Plan. *Agreed, Forsgren will work with the County on different ways to share this study with the community.*
- When will the website be available to view all the notes and timeline goals? *The website will be up and running by the next committee meeting on January 2018.*
- Can we look at other standards from areas like Douglas County or Aurora or Castle Rock? *Yes, other water master plan studies will be posted to the project website.*

Meeting Schedule:

After a brief discussion it was decided that the Committee would meet every other month during data collection and then possibly every month after that. Mondays seemed like the best day, morning or afternoon.

El Paso Co Water Master Plan
Steering Comm.

11/20/17

11-12:30

Craig Dossey
Randy Case
Melisse Andrews
Mike Fink
Tom Browning
Anne Keuckemeister
Joan Lucia-Treese
Jonathan Forsgren
Will Koger
Mary Presecan
Mary Barber
Raunere Fitzpatrick
Jenny Bishop
Kevin Walker
Kip Peterson
Jerry Hannigan

Raul Heyman
(via conf
call)

Craig

Purpose very diverse group -
commonality - understand
role of water in land
development

people reflect various
perspectives in community

- citizens
- developers
- water providers

Comprehensive Plan element

Will

State Water Plan involvement
by many members

by 2050 500,000 acre short fall
gap

development + efficiencies in
water planning

new growth is coming ~~at~~

~~at~~ - how do we plan on that

- re use + efficiencies

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How often should group meet?
every 2 months? during data collection
every month? after data collection

Completed by end of 2018
To BOCC first
then PC for Master Plan
approval

Swasi - July 2018

Kip PPWA - Comm Gonzales
attends mtg. may want on
this committee.

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Other Standards

Douglas Co

Aurora

• Castle Rock

3. Obtain input on modification recommendations

(Need list of landscaping companies)

Water Conservation Guidance Documents Cibola

Every discussion about water
should start with conservation.

How John Hrusubya

- Conservation Goals
- Rate and Fee
- Nonpotable Irrigation Trends
- Renewable & Reusable Water Services



Anne -

Provide education to bring
them into these types of
projects.

Provide feedback

- Align with values

- Start working with EPC

Outreach & Engagement

w/ Meaningful Interaction

Mike - Opp to reach out along the
way to the interested public

incl. - Arkansas Basin Water Forum
Public Ed. & Outreach
Area

www. coming

Randy - What baseline does shall
we read

Chapter 10
State Water Plan

Groundwater Study

Wastewater
relationships
are
important

inc. in
plan

Kaul - critical that we differentiate

Gary - Metro Area COS
Strong message - don't come back until you address the issue in EPC.

PPWA Support?

small area focus studies

- team up w/ USGS
- financial capacity of indiv dist
- factors that would affect water providers (CSU)

CO Water Impl. Plan
Supply & Demand Categories

Next Step

Draft scope of work
USGS - has match dollars up to 30%

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Water ReUse (Will)

- 1) Where ReUse might be available
 - Irrigation
 - Indirect potable
 - 2) ReUse Currently in County
 - CSU - for Power Plants
 - ReUse
 - 3) Benefits of Re Use
-

Recommendations for Regulatory Modifications (Jonathan)

- 1) Effects of 300-year rule
 - State 100
 - County 300
 - 2) Incentives for Development
 - Reduced Tap Fees
 - Greater density
-

Plan Implementation (Will)

- 1) A Tool for Land Planning
- 2) Provide info on water providers
- 3) Identify issues early on
- 4) Part of Letter of Intent



68 water providers
Send list

Land Use + Socio economic Scenario
Development (Jonathan)

- 1) Where is land being developed?
Today, 2040, 2060
- 2) Review of 2016 MTP growth
data
- 3) Review of Co Water Plan projections

Demand + Supply Analysis (Mary)

2008-2050 - 78% growth
EPC

-
- 1) Summarize Water Demand sources
Current, 2040, 2060+ potable
non-potable
+ reclaimed
 - 2) Summarize Water Supplies
• Current, 2040, 2060+
• By Type + District direct flow
wholesale
alluvial
Denver basin
designated
groundwater
 - 3) Water Inventory of Co owned
property
 - 4) Evaluate impact of PFC contamination
on water supplies

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Lower Point - Will
Project mgt + Public Outreach

Mapping + Data Development

1) Update (or develop) County

Data sets

- Water Service areas
- Existing facilities
- Proj facilities

2) Document Existing + Potential
Future Interconnections

Survey - Tues - Address

data needs - All Water
providers in County

- upload GIS sheet or
Pdf of where
infrastructure is
interconnects between
other providers

• look for opp. for other
interconnects

3) Identify physical + institutional
opp + barriers to coop water
planning.

~~Map~~
Mary

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Kip - Include ditch companies
- more exchange water

Craig - Land Use Review Process
- Water Finding of Sufficiency
comes at end of dev.
with final plat.

Creates opp earlier in
process

Impacts 1041 Regs
- Give CO Auth to
reg. infrastructure
water
Waste water

Gary B - Stormwater included?
not specifically

Stormwater mgmt
DCM - either tool allows
regionalization or
impedes it.

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PPACG completing study
SWASI - 2060 or 2050 ✓

tie plans together

Develop policies & goals
to use with land development

Include storage? yes

Regionalization Alternatives (Jonathan)

- 1) Piper Peak Reg Water Authority
Work
- 2) Co Springs Integrated Water
Resource Plan (IWRP)

Outreach
with
LSD

Jenny Bishop - Pro active
regionalization
working cooperatively

Development of Water Conscious Landscaping Standards (Mary)

LDC includes codes water
conscious efforts

- 1) Review existing EPC LDC
- 2) Benchmark Against Other
City/Co Standards



2018

EL PASO COUNTY



COMMISSIONERS:
 DARRYL GLENN (PRESIDENT)
 MARK WALLER (PRESIDENT PRO TEMPORE)

STAN VANDERWERF
 LONGINOS GONZALEZ
 PEGGY LITTLETON

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
 CRAIG DOSSEY, EXECUTIVE DIRECTOR

County Water Master Plan Steering Committee Sign In Sheet January 22, 2018

Name	Sign In
Melissa Andrews	
Gary Barber	GB
Jenny Bishop / Abby Ortega	Abby Ortega
Tom Browning	
Randy Case	Randy Case
Dave Doran	Dave Doran
Craig Dossey	Craig Dossey
Mike Fink	Mike Fink
Raimere Fitzpatrick	Raimere Fitzpatrick
Jay Frost	Jay Frost
Tom Gonzales	Tom Gonzales
Raul Guzman	Raul Guzman
Jerry Hannigan	Jerry Hannigan
Will Koger	Will Koger
Anne Kuechenmeister	Anne Kuechenmeister
Joan Lucia-Treese	Joan Lucia Treese
Jonathan Moore	Jonathan Moore
Kip Petersen	Kip Petersen
Mary Presecan	Mary P
Kevin Walker	Kevin Walker
JONATHAN SMITH	Jonathan Smith

2880 INTERNATIONAL CIRCLE, SUITE 110
 PHONE: (719) 520-6300



COLORADO SPRINGS, CO 80910-3127
 FAX: (719) 520-6695

EL PASO



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MARK WALLER (PRESIDENT PRO TEMPORE)

STAN VANDERWERF
LONGINOS GONZALEZ
PEGGY LITTLETON

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
CRAIG DOSSEY, EXECUTIVE DIRECTOR

County Water Master Plan Steering Committee Sign In Sheet March 19, 2018

Name	Sign In
Melissa Andrews	<i>Melissa Andrews</i>
Gary Barber	<i>Gary Barber</i>
Jenny Bishop	<i>Jay Bishop</i>
Tom Browning	
Randy Case	<i>Randy Case</i>
Dave Doran	<i>Dave Doran</i>
Craig Dossey	
Cole Emmons	<i>M. Cole Emmons</i>
Mike Fink	<i>[Signature]</i>
Raimere Fitzpatrick	<i>[Signature]</i>
Jay Frost	<i>[Signature]</i>
Mark Gebhart	<i>MG</i>
Tom Gonzales	
Raul Guzman	<i>by phone</i>
Jerry Hannigan	
Will Koger	<i>Will Koger</i>
Anne Kuechenmeister	
Joan Lucia-Treese	<i>Joan Lucia Treese</i>
Jonathan Moore	<i>[Signature]</i>
Marla Novak	
Kip Petersen	<i>Kip Petersen</i>

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EL PASO COUNTY WATER MASTER PLAN

Steering Committee

July 16, 2018, 2:00PM – 3:30PM
Regional Building, Pikes Peak Conference Room
2880 International Circle, Suite 110

Project Review (15 Min.) Will Koger

- MetroQuest – 378 people, goal was 200
- Regional Maps

Tasks (60 Min.) Will/Mary

Goals and Objectives

- Supply and Demand
- Land Use (Future Growth)
- Regionalization Alternatives (CSU and PPRWA)
- Landscaping Standards
- Water Use & Conservation
- Regulatory Modification (300-Year Rule); Next Meeting in August

Schedule (5 Min.) Jonathan Moore

- Update on schedule

Steering Committee (10 Min.) Mark Gebhart

- Contract Amendment
- Comments/Discussion
- Next Regular Meeting

—

Added

EL PASO



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MARK WALLER (PRESIDENT PRO TEMPORE)

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LONGINOS GONZALEZ
PEGGY LITTLETON

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
CRAIG DOSSEY, EXECUTIVE DIRECTOR

County Water Master Plan Steering Committee Sign In Sheet July 16, 2018

Name	Sign In
Melissa Andrews	
Gary Barber	<i>Gary Barber</i>
Jenny Bishop	<i>Jenny Bishop</i>
Tom Browning	
Randy Case	<i>Randy Case</i>
Dave Doran	<i>Dave Doran</i>
Craig Dossey	
Cole Emmons	
Mike Fink	<i>Mike Fink</i>
Raimere Fitzpatrick	
Jay Frost	<i>Jay Frost</i>
Mark Gebhart	<i>Mark Gebhart</i>
Tom Gonzales	<i>Tom Gonzales</i>
Raul Guzman	
Jerry Hannigan	<i>Jerry Hannigan</i>
Darren Horstmeier	<i>Darren T. Horstmeier</i>
Will Koger	<i>Will Koger</i>
Mike Kozar	
Anne Kuechenmeister	
Joan Lucia-Treese	
Jonathan Moore	

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PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
CRAIG DOSSEY, EXECUTIVE DIRECTOR

County Water Master Plan Steering Committee Sign In Sheet August 20, 2018

Name	Sign In
Melissa Andrews	Melissa Andrews
Gary Barber	Gary Barber
Jenny Bishop	Jenny Bishop
Dino Bonaldo	
Tom Browning	
Randy Case	
Dave Doran	Dave Doran
Craig Dossey	Craig Dossey
Cole Emmons	M. Cole Emmons
Mike Fink	Mike Fink
Jay Frost	Jay Frost
Mark Gebhart	Mark Gebhart
Tom Gonzales	Tom Gonzales
Vince Guthrie	
Raul Guzman	via phone
Jerry Hannigan	Jerry Hannigan
Darren Horstmeier	Darren T. Horstmeier
Will Koger	Will Koger
Mike Kozar	
Anne Kuechenmeister	
Bryan Long	

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PEGGY LITTLETON

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
CRAIG DOSSEY, EXECUTIVE DIRECTOR

County Water Master Plan Steering Committee Sign In Sheet October 24, 2018

Name	Sign In
Melissa Andrews	
Gary Barber	CS
Jenny Bishop	
Dino Bonaldo	
Tom Browning	
Randy Case	
Dave Doran	Dave Doran
Craig Dossey	Craig Dossey
Cole Emmons	Cole ✓
Mike Fink	MF
Jay Frost	Jay ✓
Mark Gebhart	
Tom Gonzales	
Vince Guthrie	
Raul Guzman	
Jerry Hannigan	Jerry Hannigan
Darren Horstmeier	Darren T. Horstmeier
Will Koger	Will Koger
Mike Kozar	
Anne Kuechenmeister	
Bryan Long	

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3/19/18 Water Master Plan
Steering Committee

Mark Gebhart

Will Koger

Kevin

Jay Frost

Melissa Andrews

Kip Petersen

Randy Case

Dave Doran

Mike Fink

Jenny Bishop

Mary Presecan

Ramona Fitzpatrick

Jonathan Moore

Cole Emons

Raul Guzman - via phone conf.

Gary Barber

Lisa Thompson

7 Upper Black
Squirrel

Mike

Gary Barber - grant opportunity

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MetroQuest - get word out to get
input
would like 200 people

~~Survey~~
Survey 79 entities
33 response

May 21 2pm

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PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
CRAIG DOSSEY, EXECUTIVE DIRECTOR

El Paso County Water Master Plan Steering Committee

Meeting Minutes for May 21, 2018

In Attendance:

Gary Barber
Jenny Bishop
Craig Dossey
Mike Fink
Jay Frost
Mark Gebhart
Raul Guzman (via phone)
Jerry Hannigan
Darren Horstmeier
Will Koger
Mike Kozar

Joan Lucia-Treese
Jonathan Moore
Kip Petersen
Mary Presecan
John Sanders
Jonathon Smith
Britta Strother

Presentation by Forsgren Associates, Inc. Team

Agenda Items:

- **Project Review**

Presented by Will Koger

The committee was brought up to date on the project progress.

Action Items:

- None.

- **MetroQuest update**

Presented by Will Koger and Jonathan Moore

The entire public web based interface (MetroQuest) was reviewed with discussion. All questions were discussed along with the results.

Action Items:

- Steering Committee was asked to continue to promote the survey for another month.
- Forsgren to forward the MetroQuest questions to the committee members.
- Forsgren to forward the PowerPoint presentation to the committee members.



- **Tasks**
- Presented by Will, Jonathan, and Mary
 - Final regional maps with demands were presented.
 - Updates on the other tasks were given.
- **Project Schedule**
 - Lead by Jonathan Moore
 - Brief discussion on where the project stands, still on schedule.
 - Action Items:
 - None

Next Meeting:

- Monday, July 16, 2018 from 2:00 – 3:30 p.m. in the Pikes Peak Conference Room.



EL PASO COUNTY WATER MASTER PLAN

Steering Committee

March 19, 2018, 2:00PM – 3:30PM
Regional Building, Pikes Peak Conference Room
2880 International Circle, Suite 110

Project Review (5 Min.) Will Koger

MetroQuest (20 Min.) Will Koger

- Public Participation – Need your help
- Feedback from Steering Committee
- Where has MetroQuest been posted
-

Water Providers - Participation (20 Min.) Mary Presecan

- 95% of population
- Data Processing
- Sub-regional groupings

Schedule (15 Min.) Jonathan Moore

- Update on schedule
- Upcoming tasks

Steering Committee (20 Min.) Mark Gebhart

- Comments/Discussion
- Next Regular Meeting

**El Paso County
Water Master Plan
Status Update on
Water Provider Survey**

Mary Presecan
March 26, 2018



Survey Response Data

Survey Distribution

- Sent to 79 entities
 - 69 Water Providers
 - 5 Ditch Companies
 - 5 Augmentation Associations

Survey Response

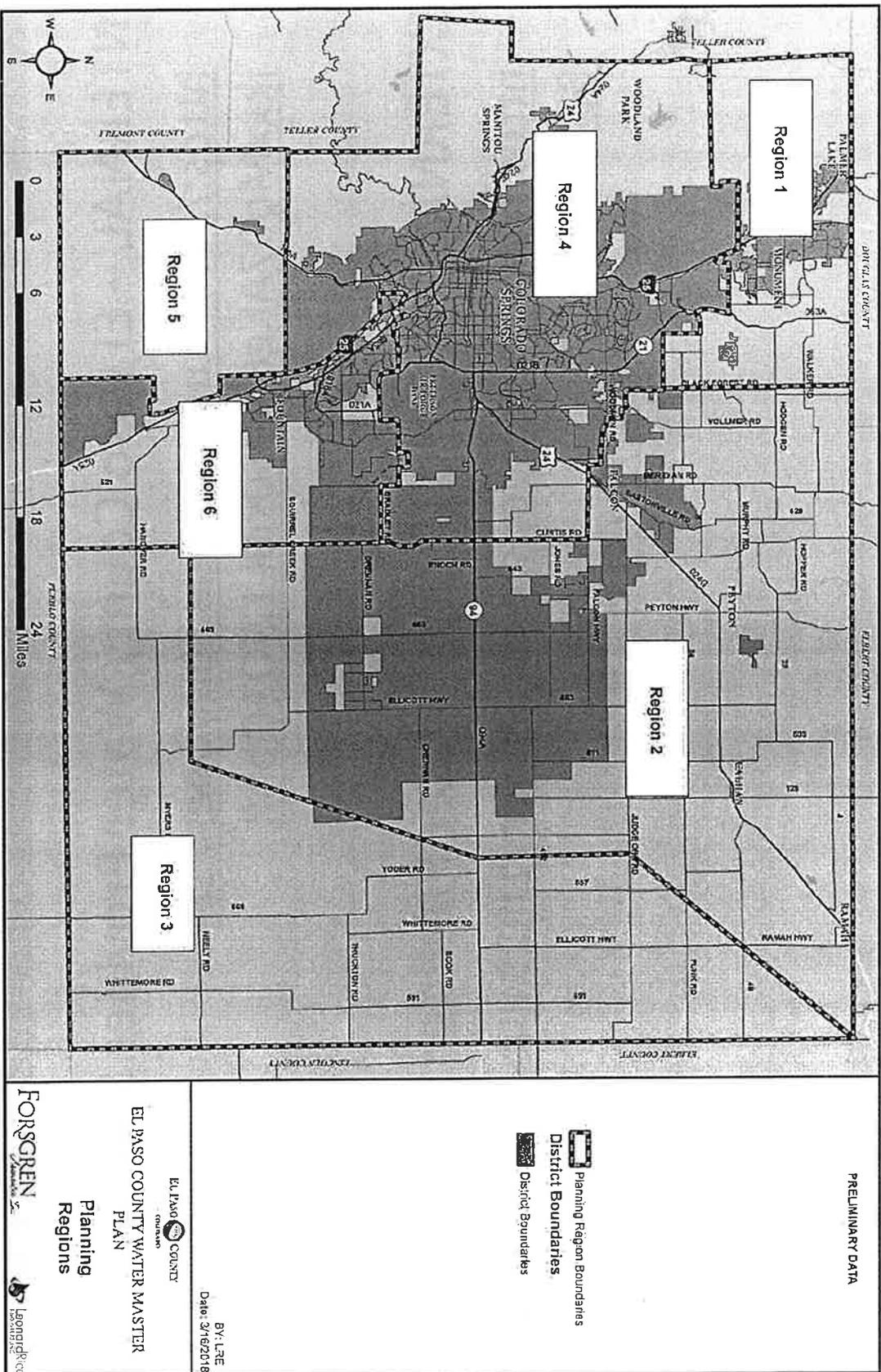
- 33 Responses
 - 30 Water Providers
 - 3 Ditch Companies
 - 0 Augmentation Associations

Response Rate

~ 43% based on number of responses

~ **92.7%** based on population

El Paso County -- Planning Regions



PRELIMINARY DATA

-  Planning Region Boundaries
-  District Boundaries

BY: LAR
Date: 3/16/2018

EL PASO COUNTY
FORGREN
EL PASO COUNTY WATER MASTER
PLAN
Planning
Regions



Survey Results

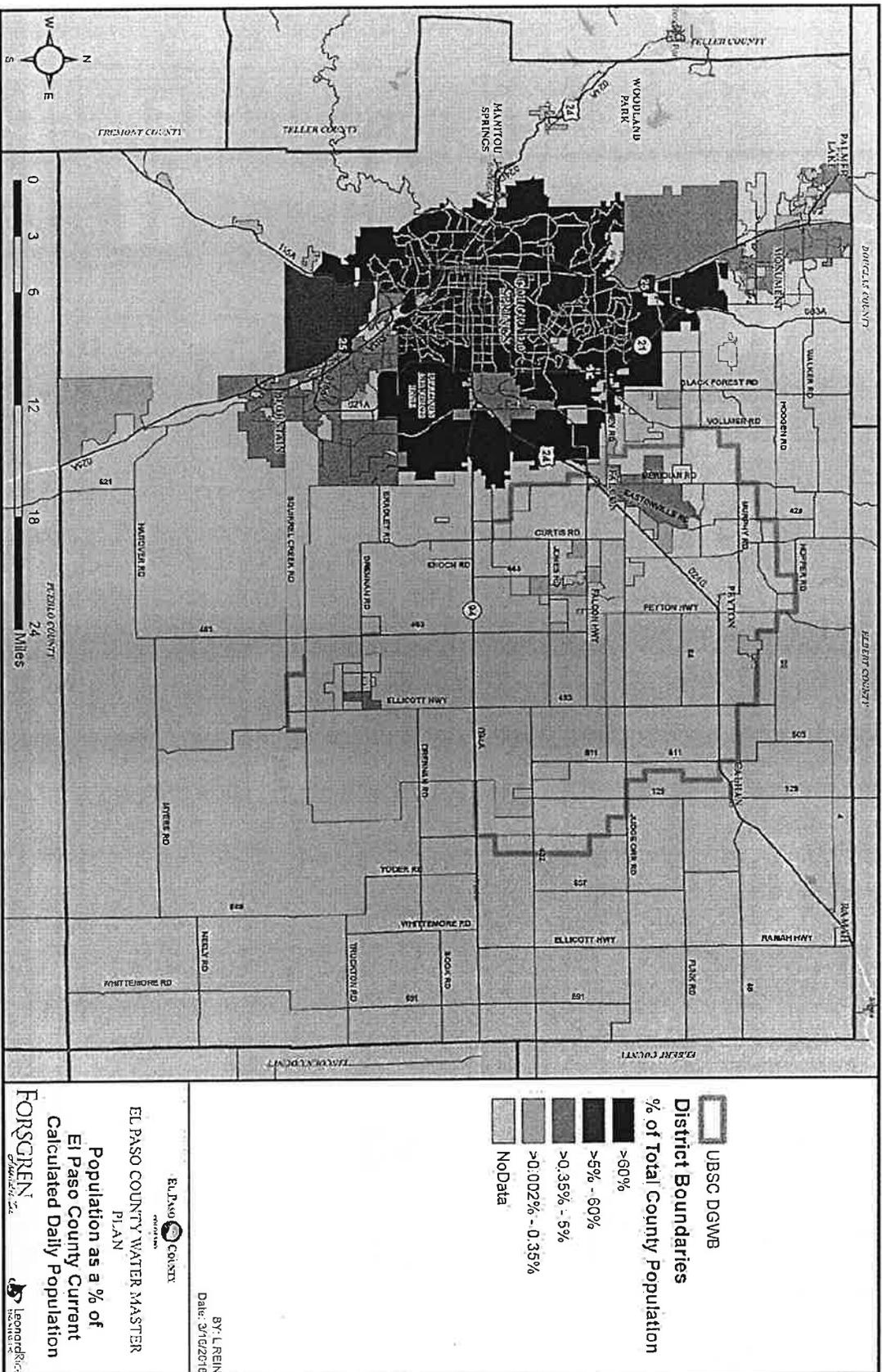
INTERNAL – El Paso County Water Provider Survey Results

<https://datastudio.google.com/open/1S-ikxxM007AKg6af9S0sj0L12IQ1Qbhr>

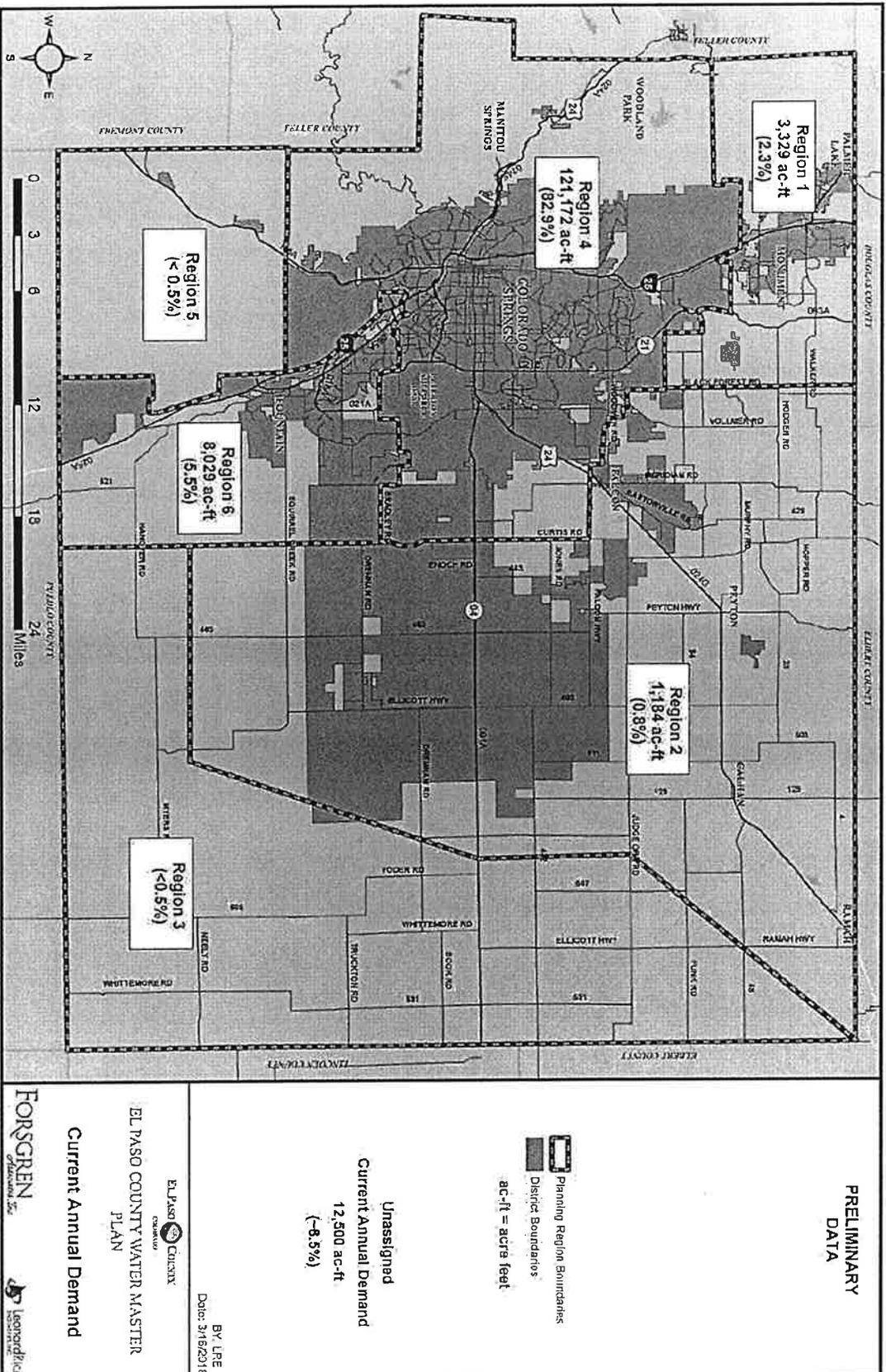
EXTERNAL – El Paso County Water Provider Survey Results

<https://datastudio.google.com/open/1JK2MlIibITAPdYNwef9MuB5KfNidCfUS>

El Paso County -- Population Distribution



County Infographic – Current Annual Demand



EL PASO COUNTY

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PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
CRAIG DOSSEY, EXECUTIVE DIRECTOR

El Paso County Water Master Plan Steering Committee

Meeting Minutes for January 22, 2018

In Attendance:

Gary Barber
Randy Case
Dave Doran
Craig Dossey
Mike Fink
Raimere Fitzpatrick
Jay Frost
Tom Gonzales
Raul Guzman
Jerry Hannigan

Anne Keuchenmeister
Will Koger
Joan Lucia-Treese
Jonathan Moore
Abby Ortega
Kip Petersen
Mary Presecan
Jonathon Smith
Kevin Walker

Presentation by Forsgren Associates, Inc. (copies available via email)

Agenda Items:

- **MetroQuest launch**
 - Steering Committee was asked to provide recommended changes to wording/format before the end of the week to Anne Keuchenmeister.
- **Email Questionnaire** -- sent to water providers and ditch companies
 - Steering Committee was tasked with reaching out to agencies on the questionnaire list to complete the survey that have not already done so. Questions/comments should be directed to Mary Presecan.

Next Meeting:

- Monday, March 19, 2018 from 2:00 – 3:30 p.m. in the Pikes Peak Conference Room.

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