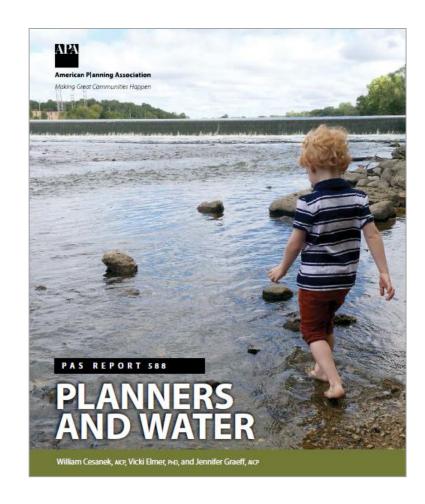




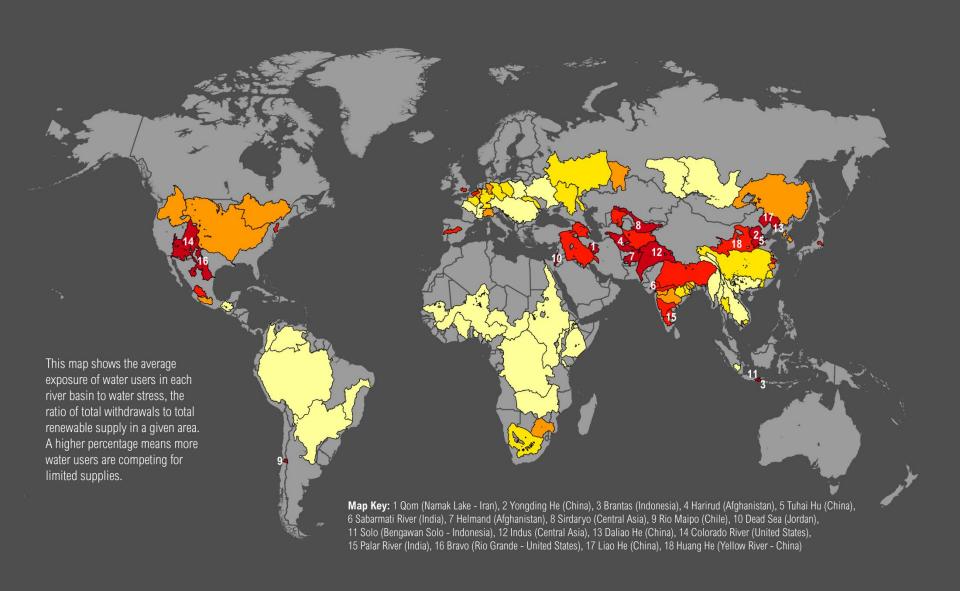
# THE IMPORTANCE OF WATER PLANNING

- ➤ Planning for a reliable, safe, and affordable water supply is critical to the future of every community in Colorado
- Strategic integration of water into long-range planning is an emerging field



#### WATER STRESS BY MOST POPULOUS RIVER BASINS







WATER STRESS LEVEL

# THE ONE WATER APPROACH



- "An integrated planning and implementation approach to managing finite water resources for long-term resilience and reliability, meeting both community and ecosystem needs." - Water Research Foundation
- > Considers the water cycle as an integrated system:
  - ✓ Surface and groundwater supply
  - √ Stormwater
  - ✓ Wastewater
  - ✓ Energy

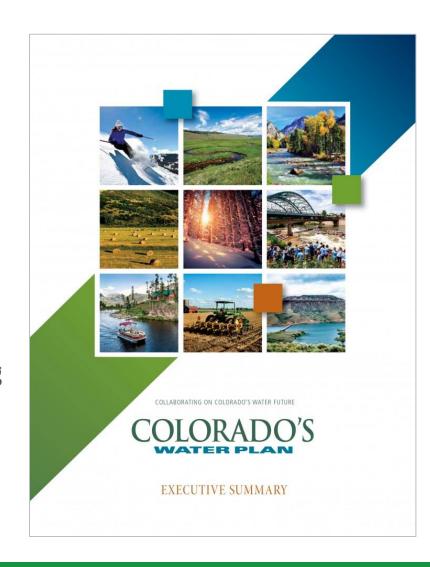
## ONE WATER APPROACH



Source: Water Environment & Reuse Foundation

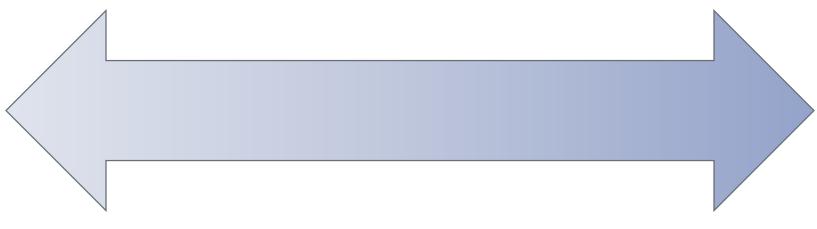
## COLORADO WATER PLAN

- There is a projected gap in water supply
- > Colorado's Water Plan
  - ✓ By 2025, 75 percent of Coloradans will live in communities that have incorporated water-saving actions into land-use planning
- How will we achieve this goal?





# INTEGRATING WATER & LAND USE: WHERE IS YOUR COMMUNITY AT?



**Getting Started** 





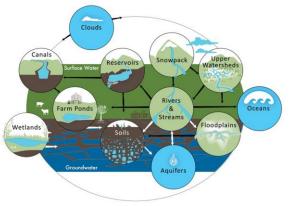
**Full Integration** 



# PREPARING FOR THE COMPREHENSIVE PLAN

# **UNDERSTAND**









### RESOURCES

- Colorado's Water Plan -Integrating Water and Land Use
  - ✓ Webinars
  - ✓ Training Modules
  - ✓ Land Use and Water Planning Story Map

#### Link:

https://www.colorado.gov/pacific/c owaterplan/integrating-water-landuse-planning

#### INTEGR INTO T

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of new residents", a community could, through reference to the Matrix, include the following implementation technique in the comprehensive plan: Amend building and plumbing codes to require smart meters and sub-metering for multifamily units.

MATRIX OF IMPLEMENTATION TECHNIQUES						
Water Conservation Measures	Comp Plan	Zoning Regs	Subdivision Regs	Site Plan	Building Code	Plumbing Code
LANDUSE						
Urban growth boundary	✓					
Denser development (more homes/acre)	V	✓	✓	✓		
Cluster development (reduce lot size)	✓	✓	✓	✓		
Mixed-use development	✓	✓	✓	✓		
Mixed housing types	✓	✓	✓	✓		
Compact mixed use	✓	✓	✓	✓		
Transit oriented development (TOD)	✓	✓	✓	✓		
In-fill zoning	✓	✓				
Overlay zone	✓	✓				
Floating zone	✓	✓				
Setback requirements	✓	✓				
Highway intersection overlay zones	V	✓	✓	✓		
Open space dedication	V	✓	✓	✓		
Open space preservation	V	✓	✓	✓		
Demand based tap fees	✓					
Other incentives	✓					
EQUIPMENT						
Green plumbing code	✓		✓	✓		✓
Indoor fixture efficiency standards	✓				✓	✓
Reuse of water	✓				✓	✓
Smart meters	✓				✓	✓
Sub metering multifamily units	✓				✓	✓
Incentives	✓					
LANDSCAPE						
Landscape codes matched to land use type	✓		✓	✓		
Landscape plan requirements (xeriscaping)	✓	✓	✓	✓		
Soil quality requirements	✓		✓	✓		
Plant list/Allowable plants	✓		✓	✓		
Tree size requirement	✓		✓	✓		
Turf limitations (type and quality)	✓		✓	V		
Artificial turf	✓		✓	✓		
Irrigation system efficiency requirements	✓		✓	✓		✓
Water waste rules	✓		✓	✓		



