## **Strengthening** Community **Development Through Integrated Water Master Planning** Drinking Water 1-2-3 Regional Event #4

# What is Master Planning and why is it Important?



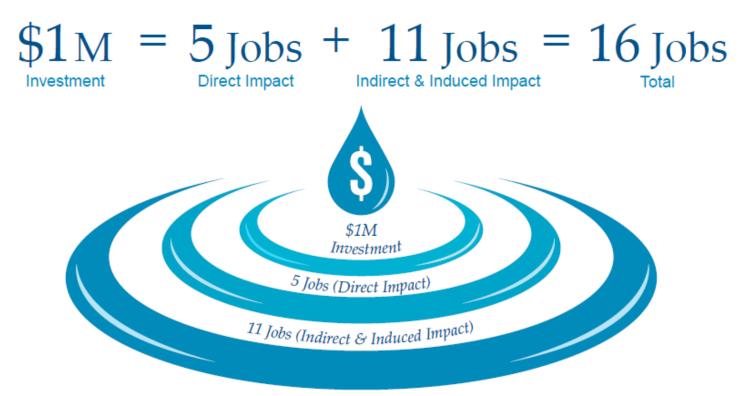
Evaluation of source water, water treatment facilities, distribution system, storage, and ancillary facilities to meet the evolving needs of communities

- Capital planning
- Prioritizing improvements
- Managing risk and resiliency
- Best management practices
- Sustainable improvements

- Replacing aging infrastructure
- Opportunities for collaboration with other agencies and communities
- Growth opportunities

## Water Industry is Economic Driver of Community

Water, wastewater, and stormwater utilities will contribute \$524 billion to the economy over the next decade, supporting 189,000 permanent jobs.



From WERF September 2014, National Economic & Labor Impacts of the Water Utility Sector



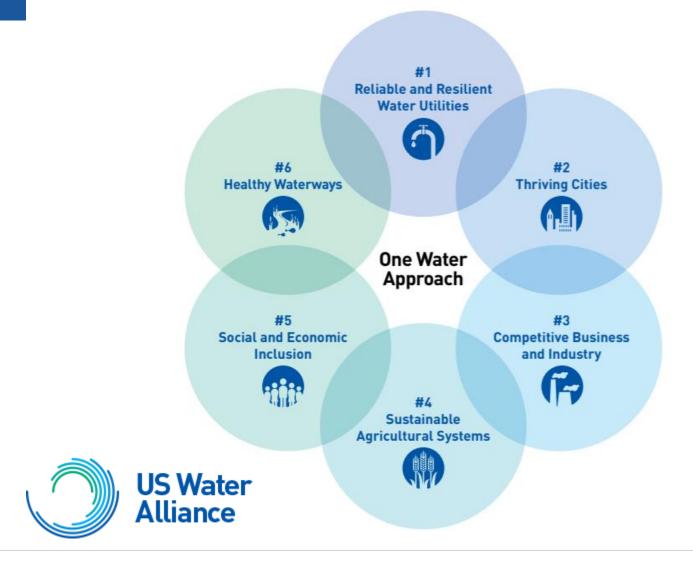
#### What is your Brand?

- What are you required to do?
  - Safe and Reliable Treatment and Conveyance of Water
- What are your vision and goals?
  - Economic Health
  - Public Perception
  - Community Leader
  - Technical Innovations
  - Sustainable Solutions



#### What is important to your community?

#### One Water Concept



#### Pillars of Water Equity



#### Pillar 1



All people have access to clean, safe, and affordable water services

#### Pillars of Water Equity



#### Pillar 2



 Maximize the economic, social, and environmental benefits of water infrastructure investment for the entire community

#### Pillars of Water Equity



#### Pillar 3



 Foster community resilience in the face of a changing climate

#### Utilities of the Future: A New Paradigm

Past	Future
Handlers of water	Managers of sustainable resources
Seeking permit compliance	Watershed-scale environmental leaders seeking least-cost, highest return solutions
Engineers designing treatment plants	Regional planners of weather- resilient, green communities
Isolated public services units	Integrated members of economically thriving local communities

#### What Factors Drive Decisions?

- **Economic**
- Political
- Community
- Regulatory
- **Business**



#### All decisions can be made with a Return on Investment

Water Levels in the Sandstone Aquifer (feet above sea level)

### Envision Sustainable Infrastructure Framework





QUALITY OF LIFE

Purpose, Community, Wellbeing



**LEADERSHIP** 

Collaboration, Management, Planning



RESOURCE ALLOCATION

Materials, Energy, Water



NATURAL WORLD

Siting, Land and Water, Biodiversity



CLIMATE AND RISK

Emission, Resilience





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