

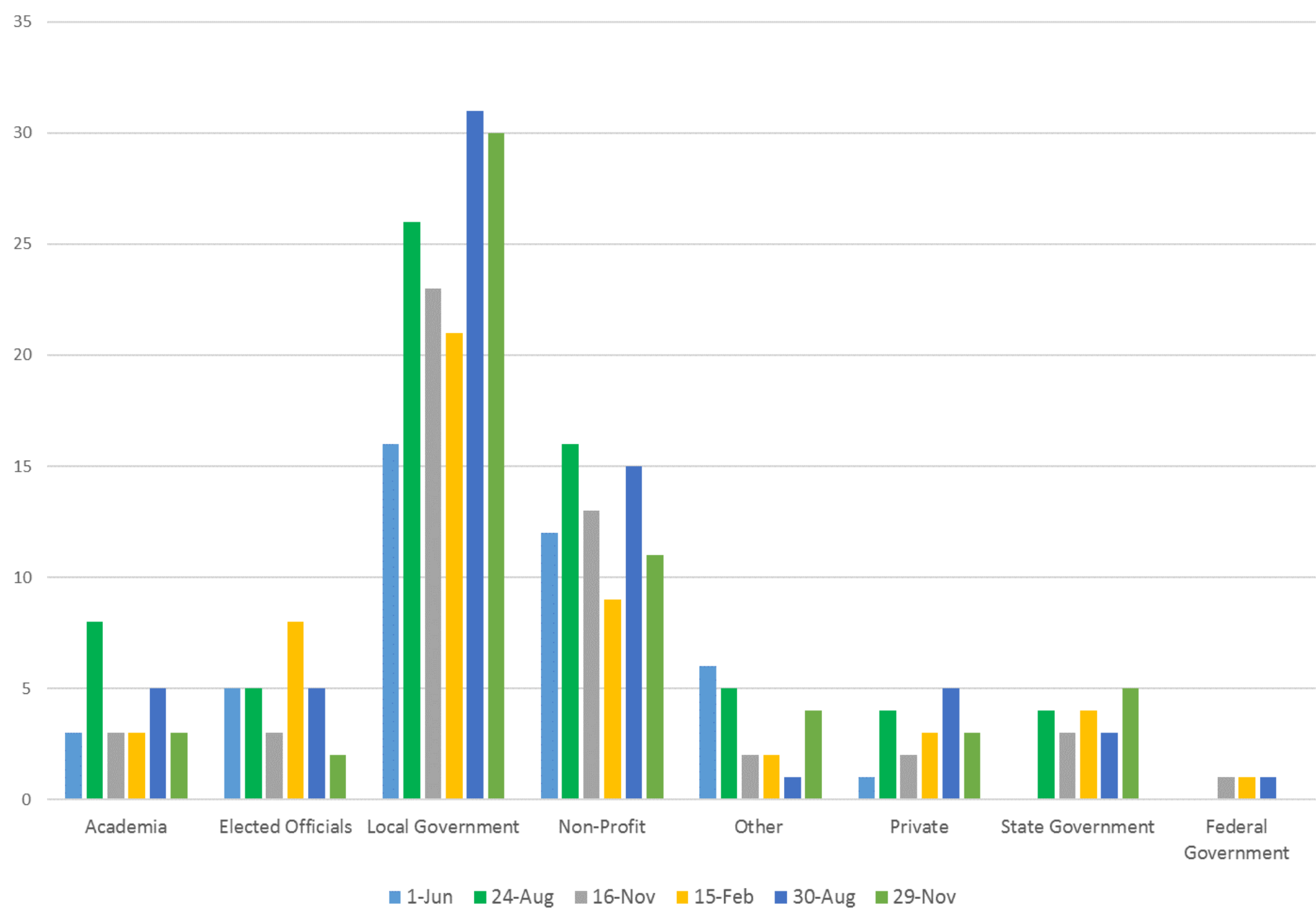
Jordan Lake One Water Association (JLOWA)

November 29, 2018

Jordan Lake One Water ~~Association~~ (JLOWA)

November 29, 2018

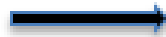
Diversity of JLOW Stakeholders



A confluence of opportunity (where we've come from)

- ▶ A growing and persistent awareness across the watershed that the existing financial mechanisms, contentious nature, delayed nutrient rules, and many other factors (the status quo) isn't working
- ▶ In 2016, UNC Policy Collaboratory begins research including a study and analysis of nutrient management strategies and compilation of existing water quality data specifically in the context of Jordan Lake
- ▶ Spring of 2017 – TJCOG began discussions with local elected officials, non-profit groups, local government staff, and other stakeholders about regional management of the Jordan Lake watershed.
 - ▶ Jordan Lake Watershed Summit was held on June 1, 2017. The interest in integrated watershed management was evident and quarterly meetings were planned (Jordan Lake One Water [Association])
 - ▶ Five large group stakeholder meetings (~60 attendees); six elected officials meetings to date
- ▶ Around the same time – NCDOT received NCDEQ support to investigate a One Water strategy for stormwater nutrient management
 - ▶ Contracted with Tetra Tech to develop potential/possible logistics

Environmental



Developed acres where stormwater runoff volume matches predeveloped land cover runoff, acres of farm land in local food production by certified holistic management farmers, acres in regenerative forestry, amount of nutrients recovered/reused from municipal waste streams, gallons of stormwater harvested and reused, instream water quality

Economic



New enterprises created, jobs created, revenue generated, on-farm profit margin, infrastructure cost savings, permitting/development costs

Social



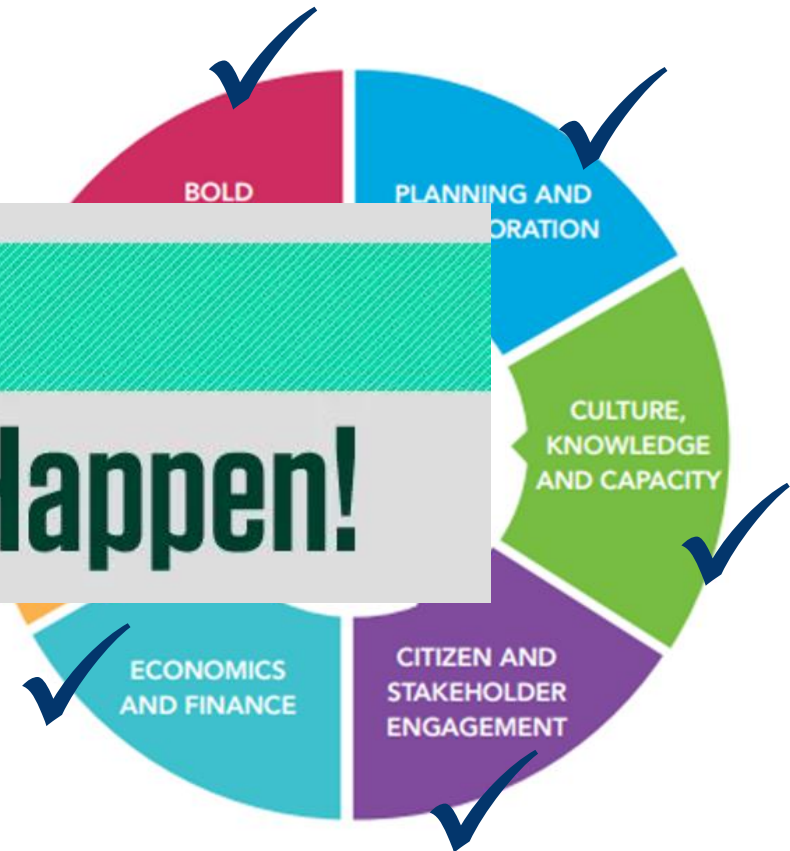
Acres of green space, area of food deserts, flood incidents in lower income communities, acres of farmland preserved, number of education opportunities generated, neighborhood crime rate

Figure 3-A. Example Metrics by TBL Characteristic

Jordan Lake One Water

- ▶ Utilize communication, collaboration, and cooperation to solve regional watershed issues *that are beyond the capacity of any one stakeholder.*
- ▶ Draw on leadership and other resources
- ▶ Work with regulators and agencies to secure an agreement
- ▶ Increase access to funds and fund sharing; increasing efficacy of each dollar spent
- ▶ Establish and develop partnerships and trust among all interest groups
- ▶ Leverage wealth of knowledge and experience of stakeholders

UPDATE:
Let's Make it Happen!



JLOW & Integrated Watershed Management (where we're going)

- ▶ The JLOW participants will develop a One Water management framework that leverages these capabilities and achieves desired stakeholder objectives and outcomes
- ▶ The JLOW One Water framework will be developed with diverse interest group representation and feedback processes
- ▶ The JLOW One Water framework will be sufficiently broad in scope so as to realize triple bottom line benefits across a range of collaborative opportunities, one of which is improved nutrient management through an integrated watershed approach and revised policy (Rule) language
- ▶ JLOW's broad stakeholder involvement will help DWR implement its public participation process for the upcoming readoption/revision of the Jordan Lake Watershed nutrient management (the Rules).
- ▶ All of this requires dedication, collaborative brainpower, and a Work Plan!

PLAN



Overview of JLOW Initiative Draft Work Plan

**Trevor Clements, Mid-Atlantic Regional Manager
Tetra Tech Integrated Water Management Unit**

Purpose of the Work Plan

1. Guide efforts to set up an integrated watershed management (One Water) framework for JLOW
2. Organize a collaborative effort for JLOW to prepare for forthcoming nutrient rules revision

Work Plan Status

- ▶ Working Draft thru 11/28/18
- ▶ Goal is to finalize the Work Plan by end of Jan 2019
- ▶ With primary input from:
 - Work Plan Advisory Committee
 - JLOW Local Elected Officials Group

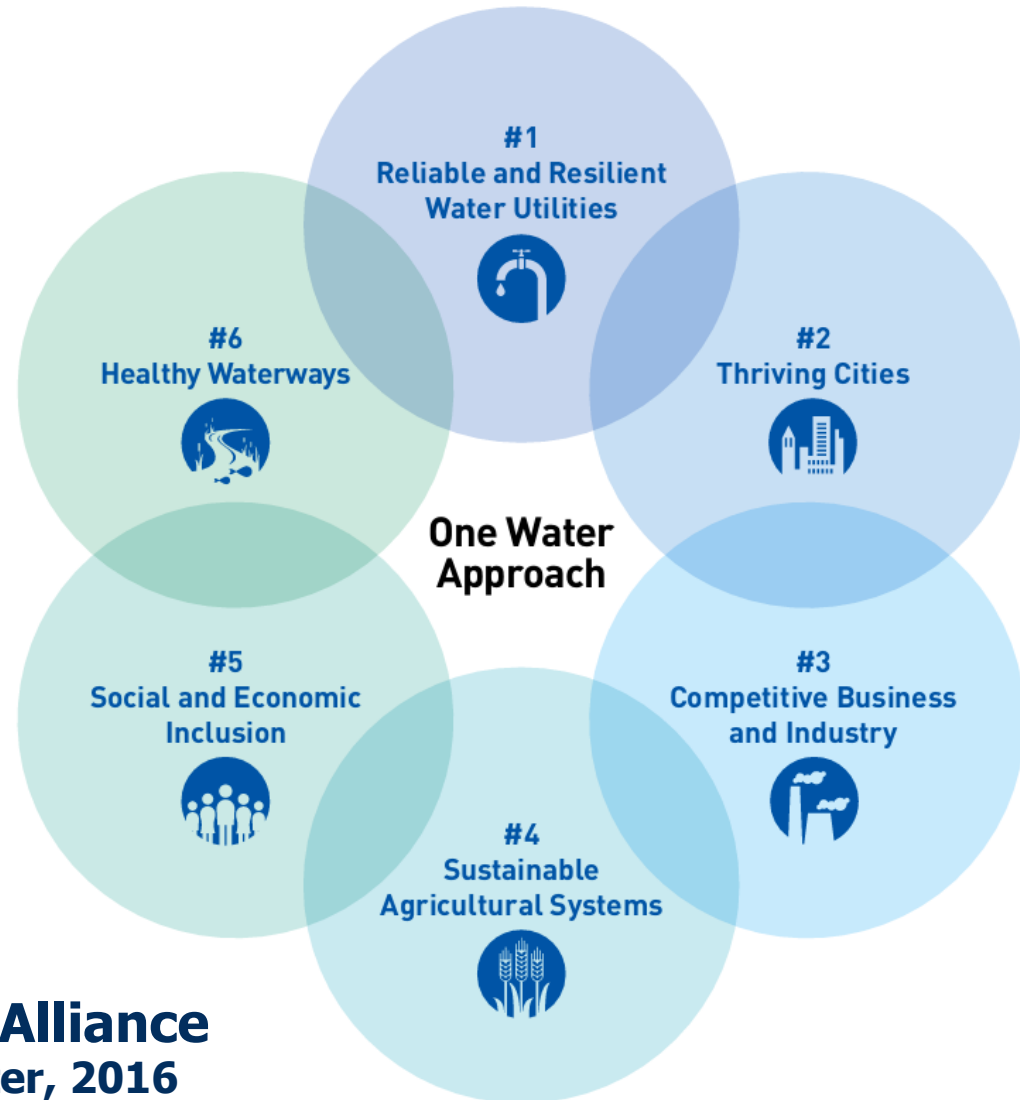
Once Execution of the Work Plan Begins...

- ▶ Work Plan Advisory Committee will lead with input from the Local Elected Officials Group
- ▶ Subcommittees (including additional recruits) will be formed to:
 - Support development of recommendations for JLOW organization and operations
 - Begin preparing for Jordan watershed nutrient rules revision process
- ▶ Process will be administered by the JLOW Initiative Coordinator

Work Plan Contents (to date)

1. Introduction
 - Background
 - Overview of Work Plan
 - Definitions
2. Scope of Work
 - 5 Tasks to develop JLOW Organization Plan
 - 2 Action items regarding nutrient rules revision
3. Schedule (in development)

One Water Approach Integrates Across Triple Bottom Line of Economy, Quality of Life, & Environment



**From: U.S. Water Alliance
Roadmap for One Water, 2016**

Interim

Longer-Term

Task 1. Set Up Advisory Committee and Prepare Letter of Intent

Task 2. Recommend JLOW Organization

Task 3. Recommend JLOW Operations

Task 4. Recommend Funding Approaches

Task 5. Prepare JLOW Organization Plan

Organization Setup

Collaborative Action

Action 1. Prepare for Nutrient Rule Revision

Action 2. Participate in Nutrient Rule Revision Process

November 2018

Initiation of Rule-Making

[assumed 12/31/2019]

Task 2 – Recommend JLOW Organization

- Subtask 2.1 Orient Advisory Committee & Elected Officials Group to Task
- Subtask 2.2 Develop JLOW Charter Recommendation
- Subtask 2.3 Recommend JLOW Administrative Structure
- Subtask 2.4 Develop Recommendations for Setup of a JLOW Steering Committee and Workgroups Structure

Task 3 – Recommend JLOW Operations

- Subtask 3.1 Orient Advisory Committee, Elected Officials Group & Subcommittees to Task
- Subtask 3.2 Recommend IWM Process for Establishing JLOW TBL Goal
- Subtask 3.3 Recommend IWM Process for Evaluating Management Options
- Subtask 3.4 Recommend IWM Process for Monitoring Performance & Adapting Management

Task 4 – Recommend Funding Approaches

Subtask 4.1

Recommend Funding Approach(es) for JLOW
Administration Cost

Subtask 4.2

Recommend Funding Approach(es) for Implementing
Collaborative Management Options

Task 5 – Prepare JLOW Organization Plan

- Subtask 5.1 Review Task 2, 3 & 4 Recommendations and Select Best Options
- Subtask 5.2 Prepare Organization Plan Document

Action 1 – Prepare for Nutrient Rule Revision

- 1.1 – Identify Areas of Previous Rules Where Greater Flexibility is Needed
- 1.2 – Setup and Brief Subcommittees
- 1.3 – Develop Initial Recommendations
- 1.4 – Prepare Specific Recommendations for Rules Revision



Questions?