

INTRODUCTION



"Water, water everywhere in state of Florida!

50+ inches of rain annually, home to the second-largest freshwater lake wholly in the U.S. (Lake Okeechobee), and the state surrounded by water on three sides – is there really water resources to solve?"







WHAT IS ONE WATER?

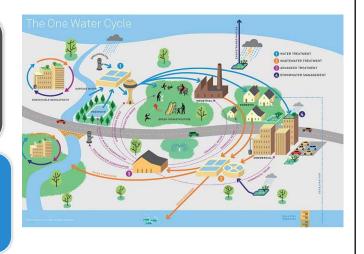
WHAT IS ONE WATER?

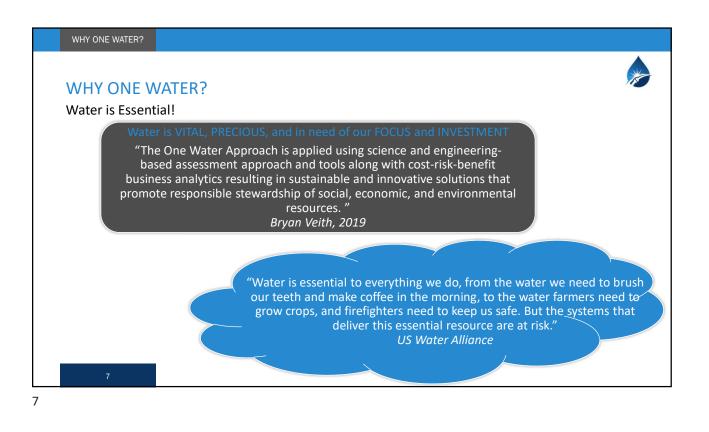
One Water Defined

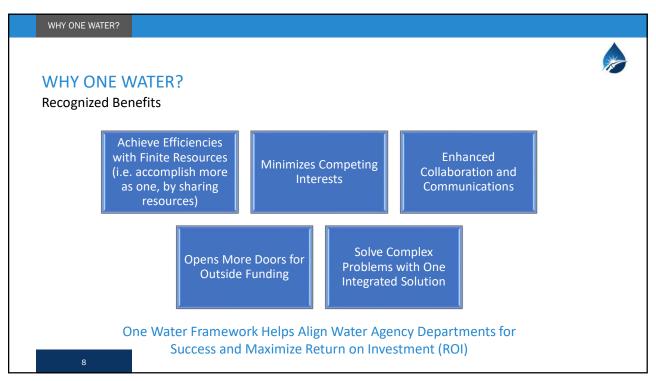
"One Water is an integrated planning and implementation approach to managing finite water resources for long-term resilience, sustainability and reliability, meeting both community and ecosystem needs."

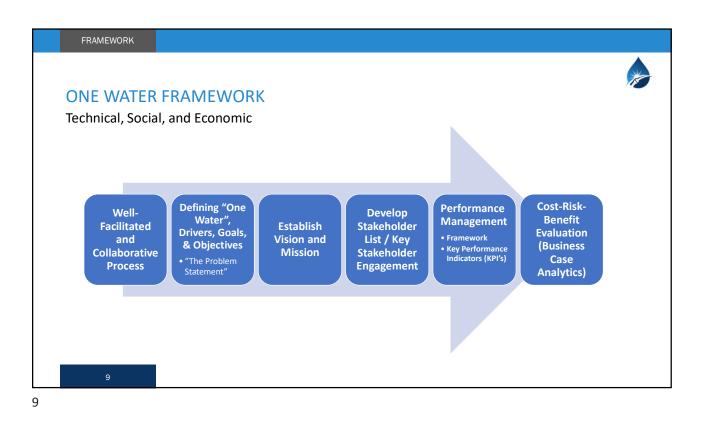
The Water Research Foundation

"A collaborative and innovative water management approach to enhance sustainability of our essential resources and overall quality of life resulting in multiple local and regional benefits" City of Winter Haven, 2019

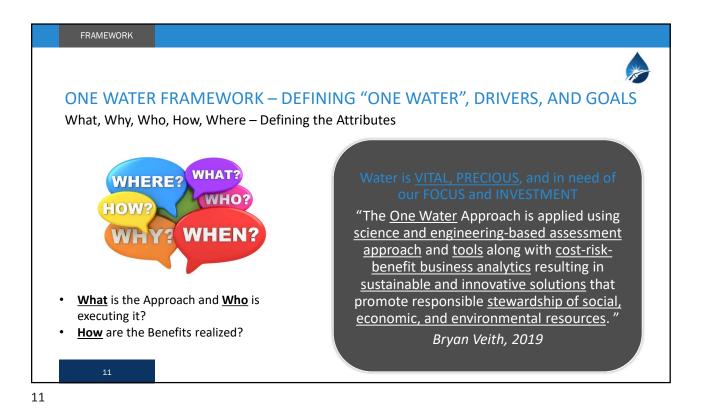






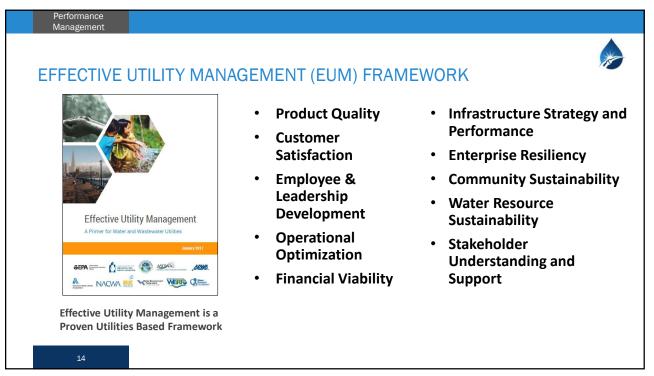


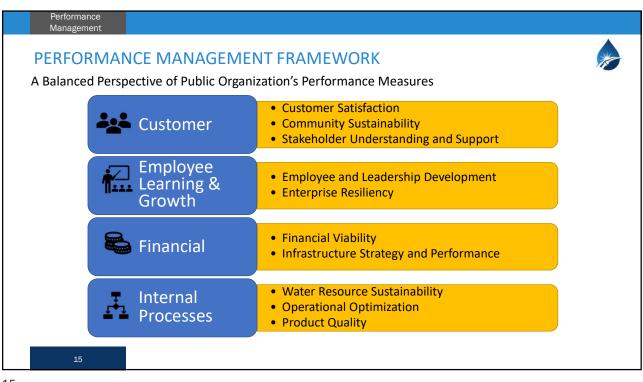
<text><text><list-item><list-item><list-item>

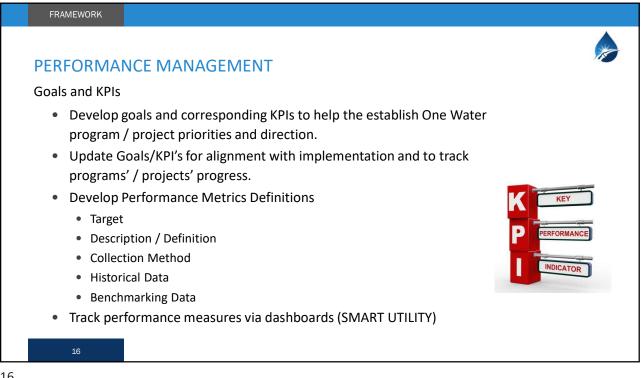


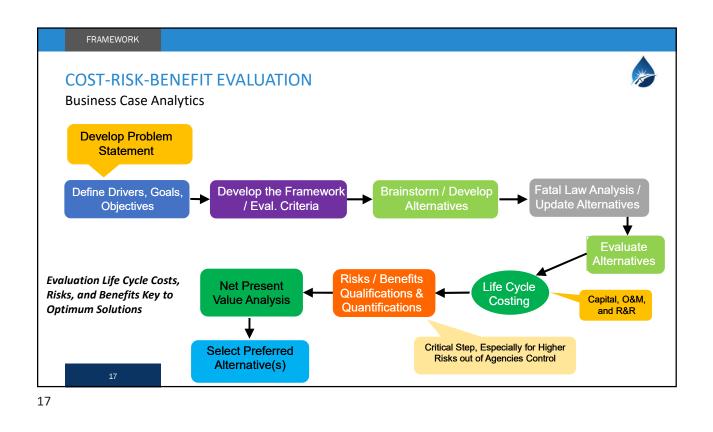






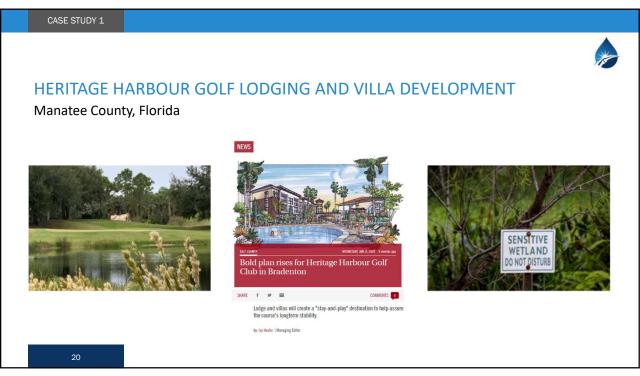






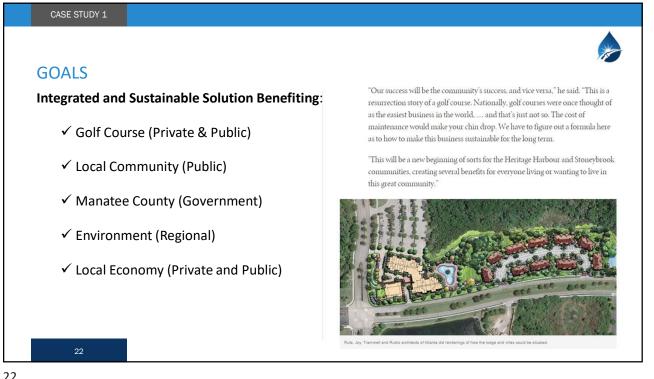






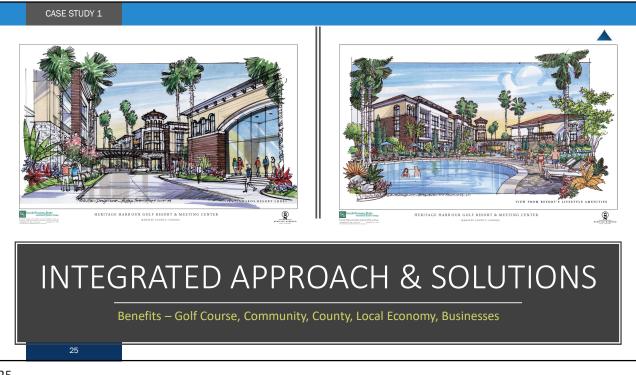




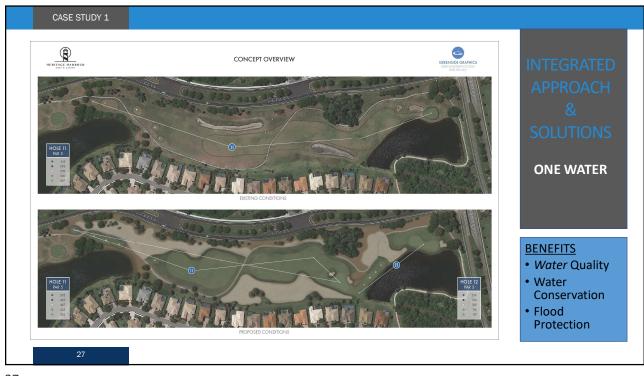


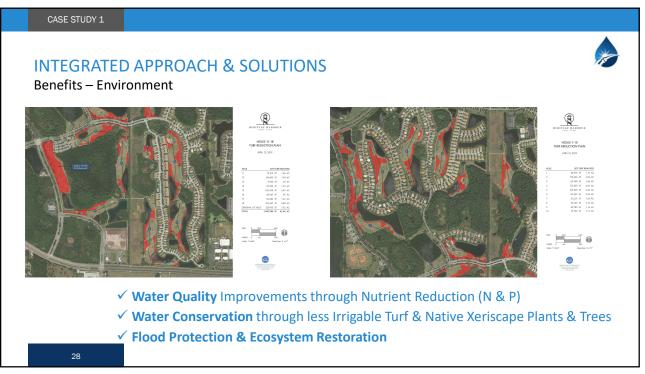


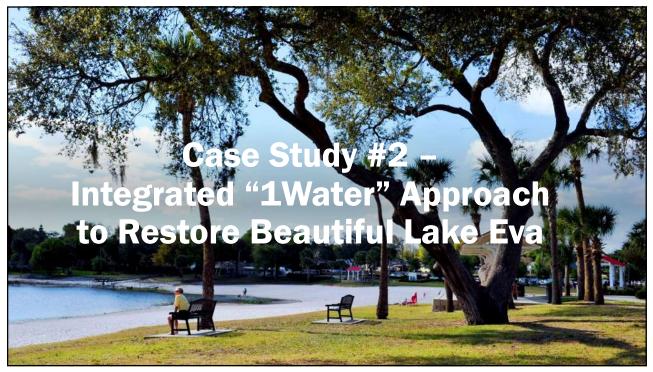








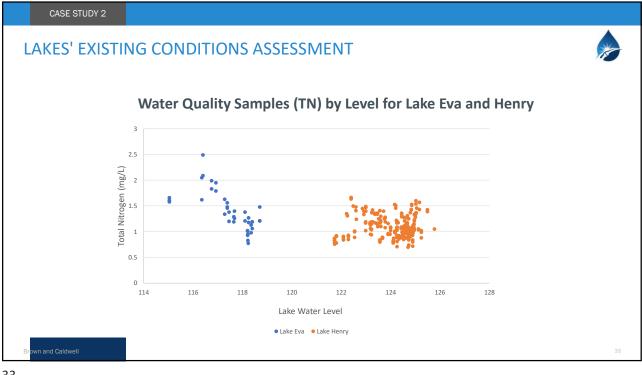








CASE STUDY 2 **EXISTING CONDITION MODEL RESULTS** Henry Outfall Project Area Water Availability -Average Annual Henry Outfall (South) Water Availability in the Lake Eva - Lake Henry Study Area Based on ICPR Modeling Results (average annual water volume from 6/1/2002 to 5/31/2016) Lake Eva Outfall (West to Morrison) Ac-ft/yr Lake Henry Outfall (South to Hamilton) Ac-ft/yr Lake Henry Outfall (East to Morrison) Ac-ft/yr Morrison Outfall Morrison Inflow Morrison Inflow (South to Hamilton) Ac-ft/yr (from North) Ac-ft/yr (from Northwest) Ac-ft/yr 213 413 0 2,752 1,661 91



COLLABORATIVE PR	OCE:	SS FOR CRITERIA PRIORITIZATION
	Evalua	tion Criteria and Priority
City / District / BC Team Final Prioritization Meeting - January 14, 2019		
Selection Criteria	Priority	Description
Improve Lake Eva Water Quality	1	Achieve Lake Water Quality Improvement for Key Parameters including Total Phosphorus and Chlorophyll-a
Address Lake Eva Low Water Level Concerns	2	Address Regulatory Requirements for Maintaining Minimum Level and Flow (MFL) in Lake Eva
Meet Regional Integrated Water Resources Needs including Groundwater Recharge and Water Supply Credits	3	Follow Central Florida Water Initiative (CFWI) guidelines, use regional approach to solving multi-jurisdictional "One Water" needs. Infiltrate "Excess" Water into project area groundwater system with the goal of generating water supply credits
Minimize Need for Land Acquisition and Easements / Utilize Existing Infrastructure & Natural Conveyances	4	Maximize the use of existing public lands and easements for project improvements and minimize the need to acquire additional private land or easements. Maximize natural conveyance and maintain existing drainage system infrastructure is such a way that it's compatible with maximizing natural conveyance.
Public / Stakeholder Acceptance	5	Consensus of acceptance by Stakeholders, Residences, and Businesses
Life-Cycle Cost	6	Lowest combined Capital and O&M Costs for 20-year life
Provide Natural Systems Enhancement, Recreational Benefits, Social Benefits	7	Improve ecosystem form and function within the project area. Maintain or improve Lake Recreational Benefits (Swimming, boating, fishing, etc.). Provide public benefits such as increased property value, economic development, educational opportunities, aesthetics, etc.
Reduce Lake Henry Flooding During Wet Weather Periods	8	Reduce extent/depth of flooding for residents adjacent to Lake Henry for the 100-year, 24-hour event based on existing flood maps
Minimize Impacts (temporary/permanent) to residences and businesses	9	Construction and Operation of Proposed Improvements has minimal impact on residences and businesses
Likelihood or Ease of Permitting	10	Regulatory Acceptability and Less Time/Lower Cost for Project Permitting
Proven Treatment/Recharge Approach	10	Use project elements which are effective and meet regulatory requirements

