



Surface Water Discharge Elimination Plan

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Hazen and Sawyer

Board of County Commissioners' Work Session
April 7, 2022

Florida Senate Bill 64: Reclaimed Water

July 2021

Senate Bill 64

November 2021

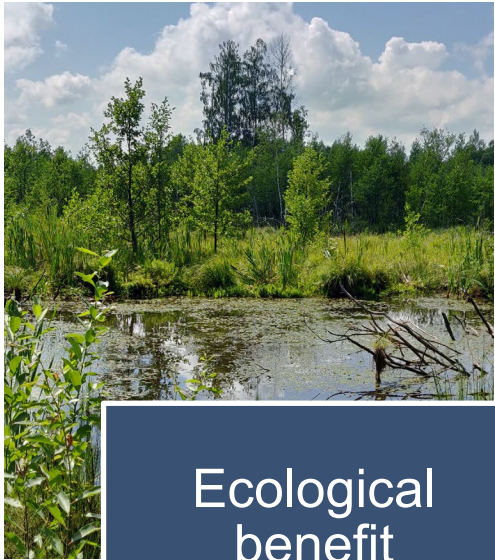
Compliance plan

January 2032

Compliance deadline



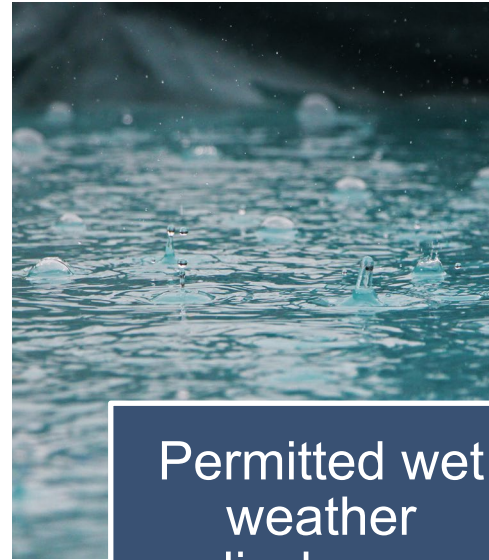
Surface Water Discharge Exceptions



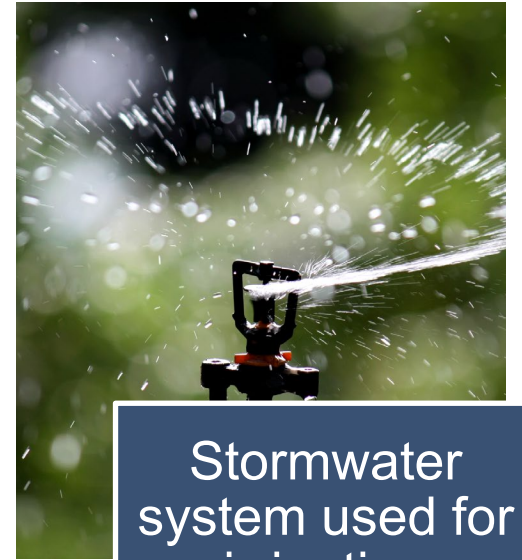
Ecological
benefit



Public water
supply benefit

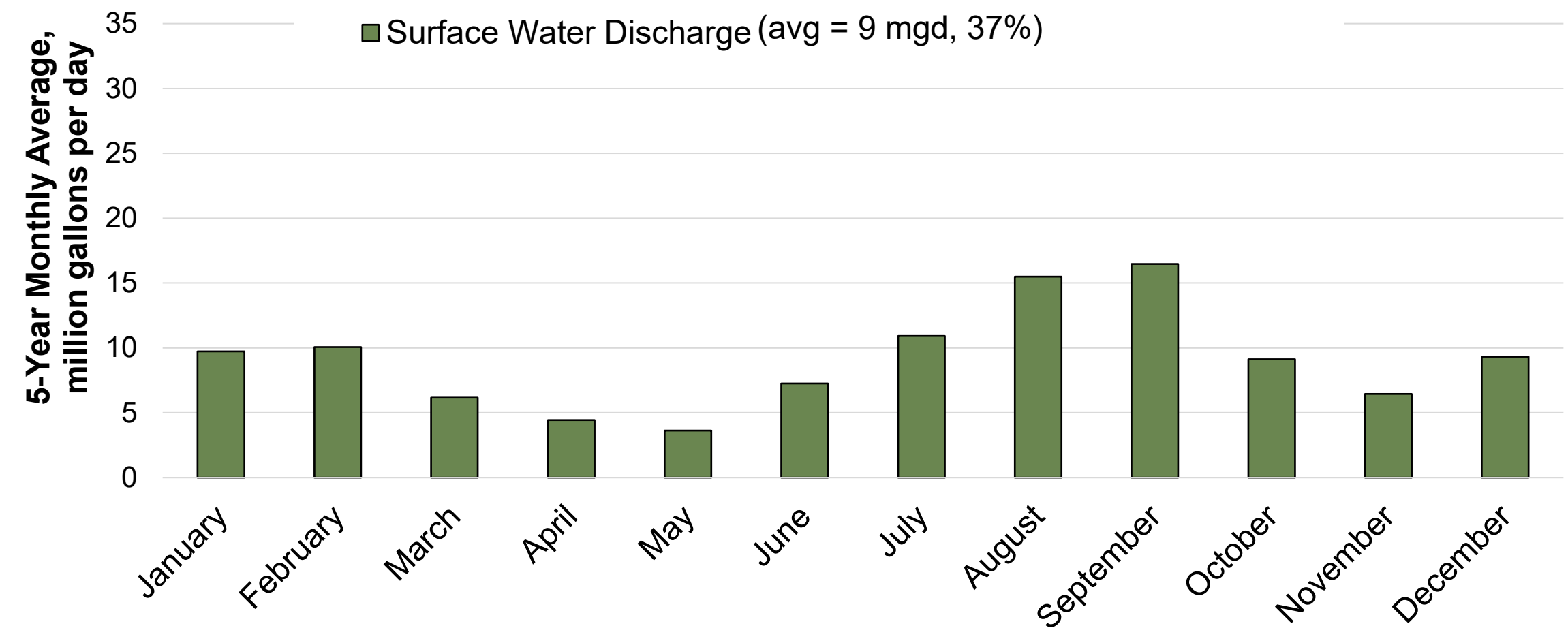


Permitted wet
weather
discharge

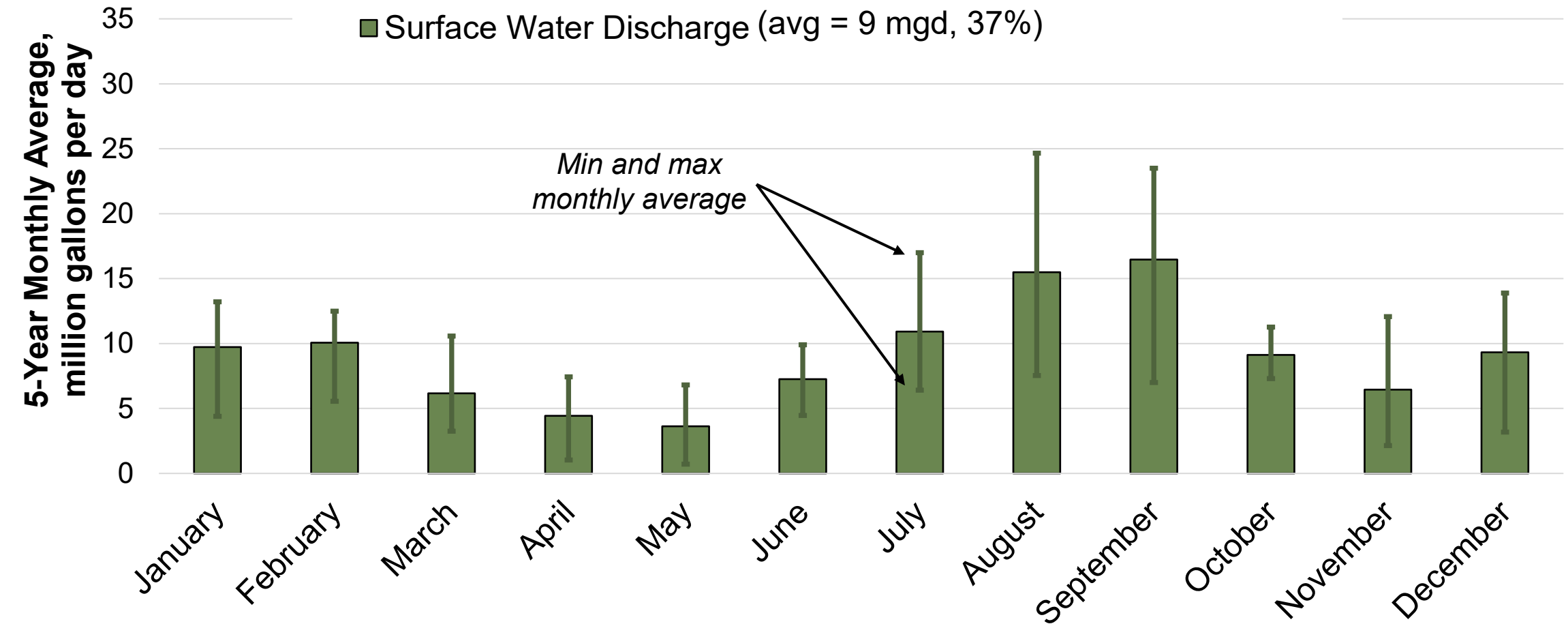


Stormwater
system used for
irrigation

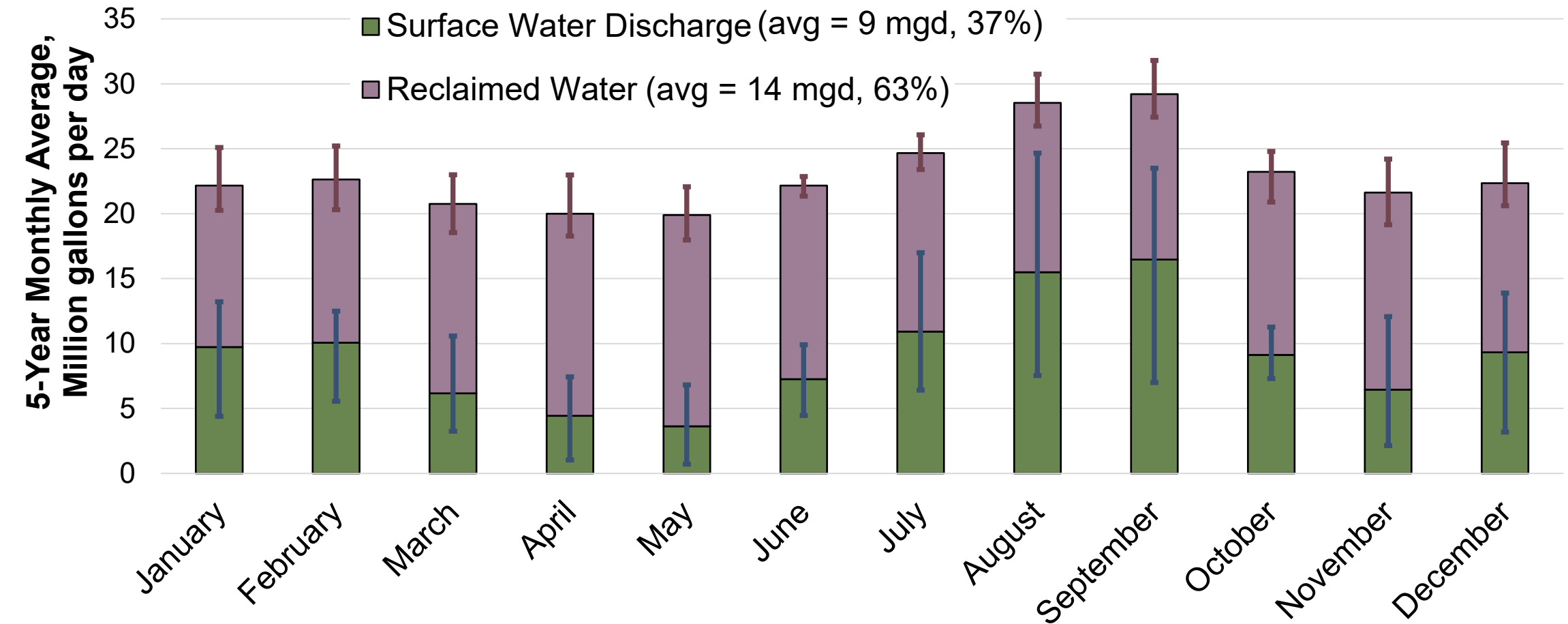
Effluent Management at South Cross Bayou Advanced Water Reclamation Facility (SCBAWRF)



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SCBAWRF Compliance Plan



Continued surface water discharge



Increased water reuse



Aquifer alternatives

SCBAWRF Compliance Plan



Continued surface water discharge

Existing or modified outfall location

Requires demonstration of a resulting ecological benefit

Must consider effluent water quality requirements and SCBAWRF treatment implications



Increased water reuse



Aquifer alternatives

SCBAWRF Compliance Plan



Continued surface water discharge



Increased water reuse

Increased reclaimed water use by existing (inactive) and/or new customers

Advanced treatment for Tampa Bay Water use as an alternative water supply

Requires customer outreach and regional collaboration



Aquifer alternatives

SCBAWRF Compliance Plan



Continued surface water discharge



Increased water reuse

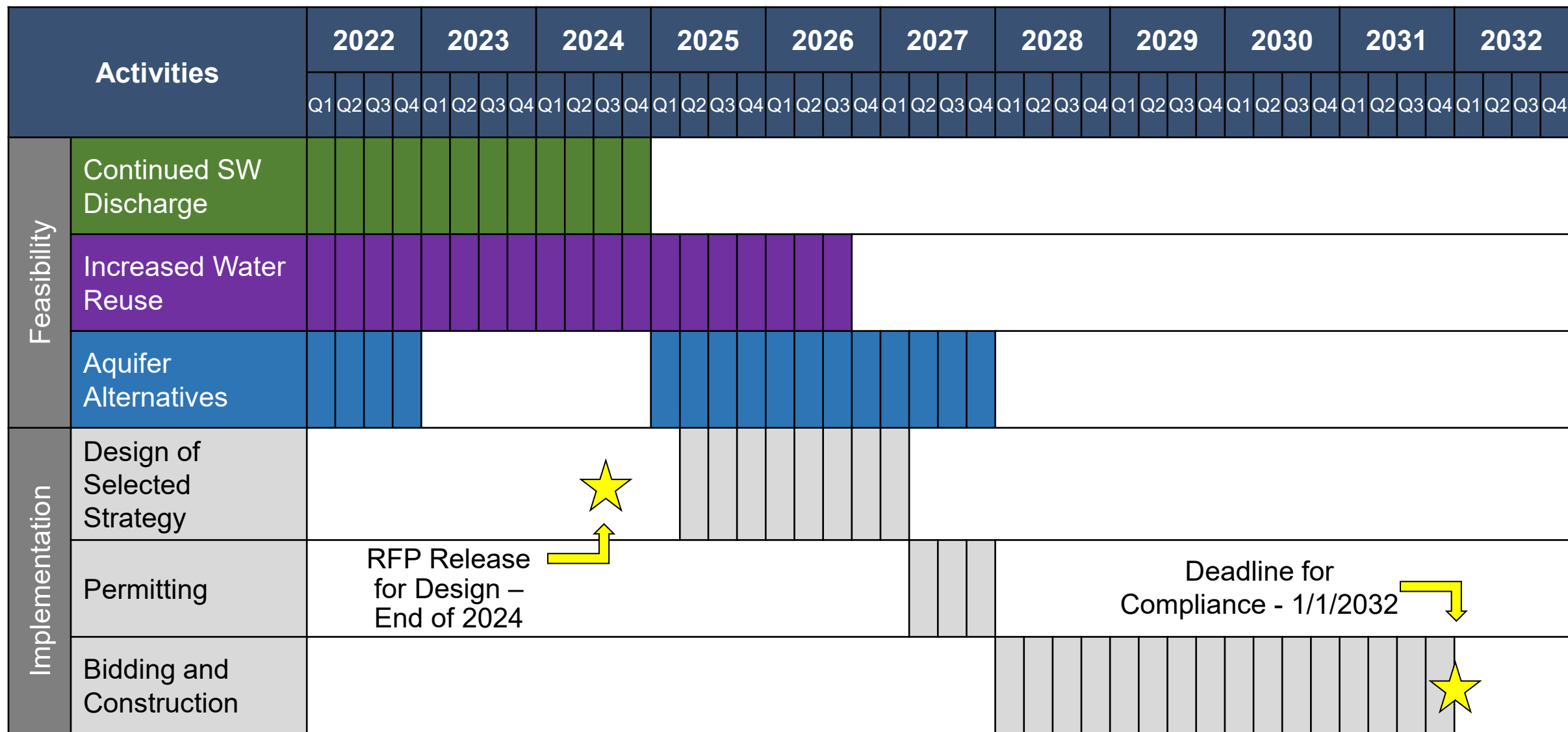


Aquifer alternatives

Includes aquifer storage and recovery (ASR), managed aquifer recharge (without recovery), and deep well injection

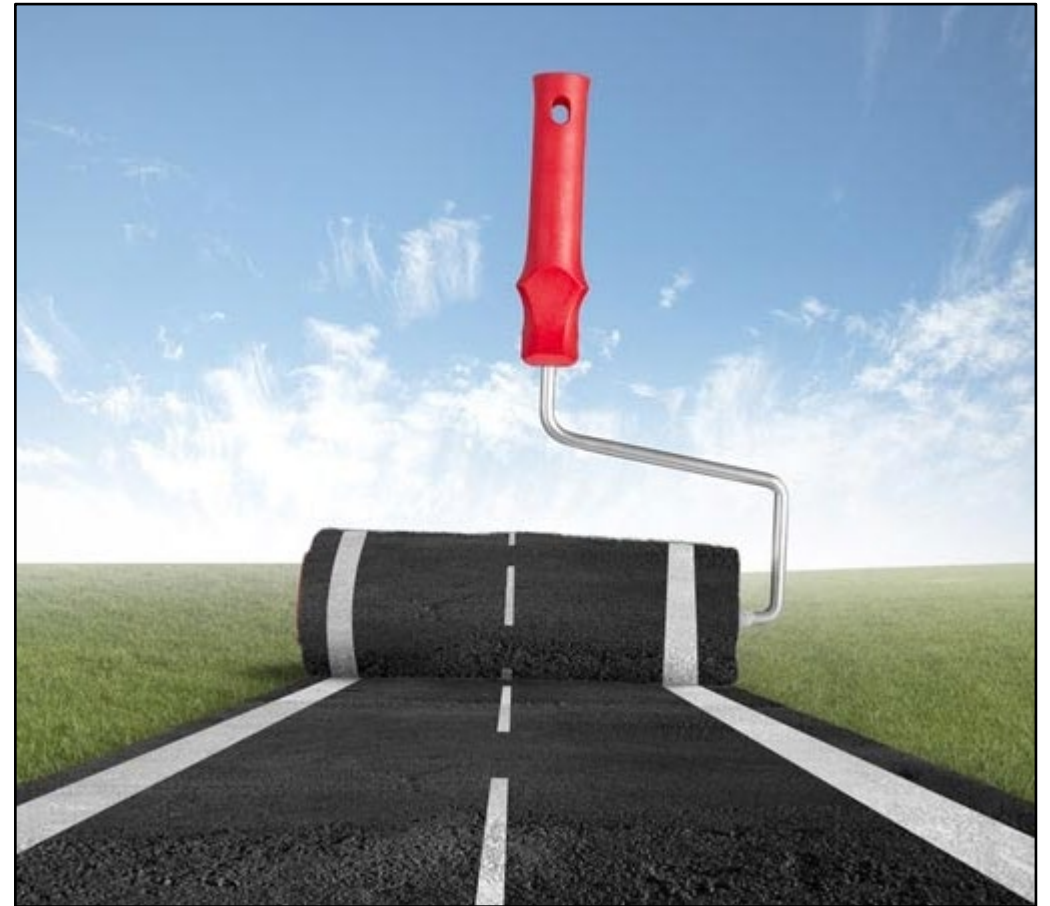
Requires evaluation of aquifer conditions relative to existing reclaimed water infrastructure and demands

SCBAWRF Implementation Schedule



Next Steps

- Feasibility studies
 - Continued surface water discharge – hydrodynamic water quality model
 - Increased water reuse – customer outreach, Tampa Bay Water coordination, and desktop feasibility study
 - Aquifer alternatives – hydrogeological study
- \$200,000 requested from Southwest Florida Water Management District (SWFWMD) Cooperative Funding Initiative (CFI)
 - Advanced by Regional Governing Board Committee (February 2022)
 - Awaiting approval (June 2022)



Hazen



Thank you!