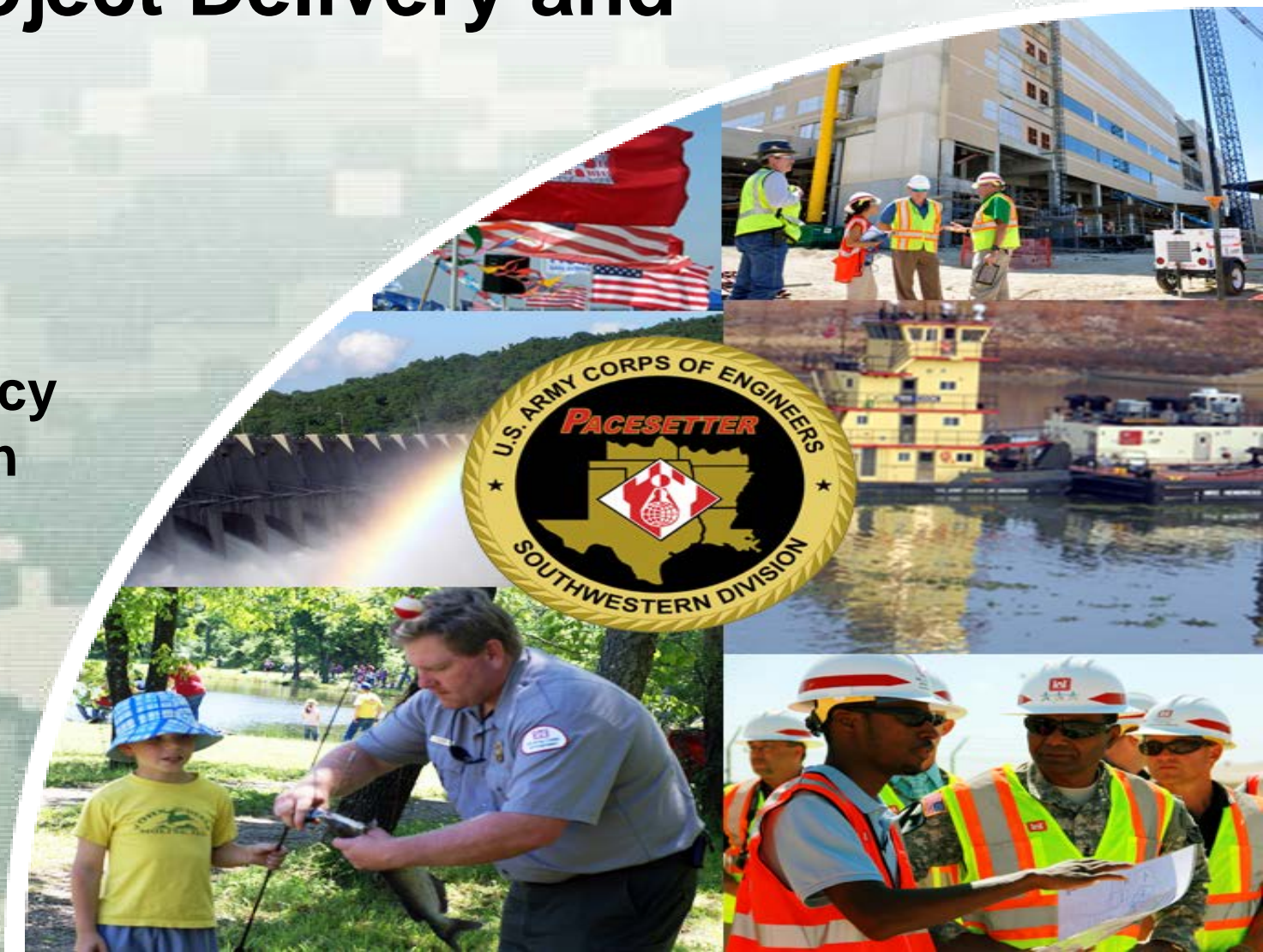


Future Directions for Civil Works Project Delivery and Partnership

Becky Moyer
Chief, Planning & Policy
Southwestern Division

3 March 2016





Future of the Texas Coast

Shared Visioning for the Texas coast:

- The navigation system (Deep Draft Ports / Shallow Draft Ports / GIWW) is positioned for sustainable **economic growth** and Texas ports continue to drive the regional and national economic engine.
- The Texas Coast environment is protected from coastal erosion & storm surge; **ecologic health** and **community resiliency** are improved;
- USACE has strong **strategic partnerships** within the Texas Coastal Stakeholder community that support Federal and non-Federal investment in the system's infrastructure



Future

The Texas Coast is protected & resilient, positioned for sustainable economic growth with strategic partnerships that support non-Federal investment.





Regional Priority – Texas Coast

Strategy



A Perfect Storm: U.S. Water Resources Challenges

Increased Competition for Water – Population Growth & Demographic Changes

Aging Civil Works Infrastructure and Implications to Resilience

Increasing Demand - Mega Nexus Drivers – i.e. Water Supply, Domestic Hydrocarbon Production, Agricultural Needs



A Perfect Storm

Nonstationarity and Adaptation to Climate Change

Paradigm Shift to IWRM /Systems Perspective Focused on Sustainability

Technological Advancement and Knowledge Management

Global Economy & Increased Importance of U.S. Maritime Transportation System

As “World Shrinks” – Increasing Concerns Over International Water Security

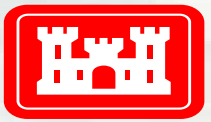
US Debt Pandemic & Constrained Federal Budgets



BUILDING STRONG®

ING SMART
ING STRONG®

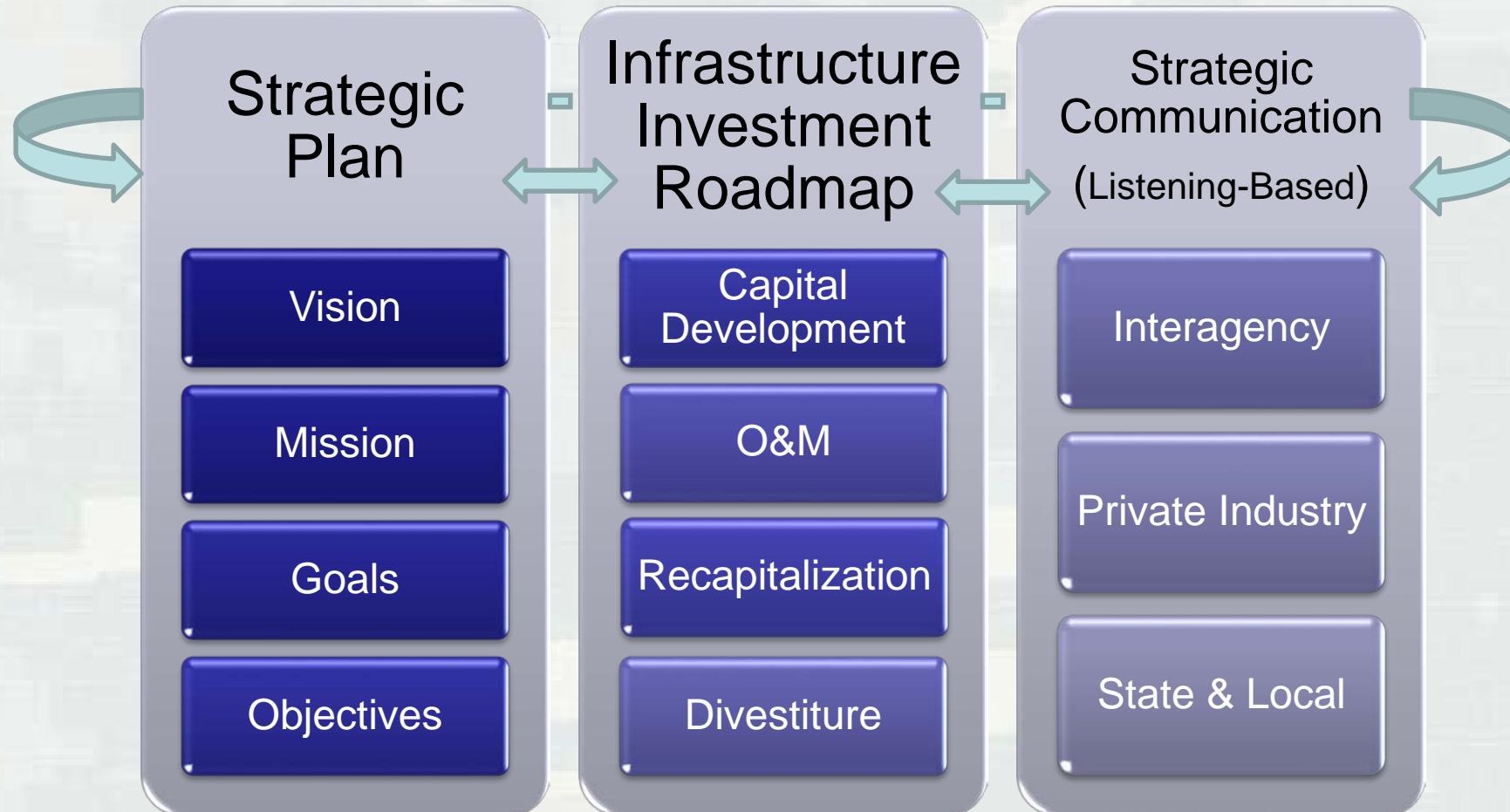
Infrastructure Strategy Challenges and Opportunities



- **Infrastructure Investment = Global Challenge**
- **USACE Civil Works Portfolio: 3,000+ Operational Projects, with Replacement Value of Approx \$268B**
- **USACE Civil Works Asset Classes are Diverse**
 - Flood & Coastal Storm Damage
 - Coastal and Inland Harbors
 - Inland Waterways
 - Hydropower
 - Dam & Levee Safety Programs
 - Water Storage
 - Aquatic Ecosystems
 - Water-Based Recreation
- **Demands for CW Infrastructure Maintenance, Operations, and Capital Investment are Expanding**
 - ▶ Requires Very Difficult Choices in a Declining Budgetary Climate
 - ▶ Civil Works Infrastructure Aging, Some Negative Performance Trends Across Portfolio
 - ▶ ASCE: Dams, Levees, IWW's = "D" → \$140B by 2020



Civil Works Infrastructure Strategy



WRRDA 2014

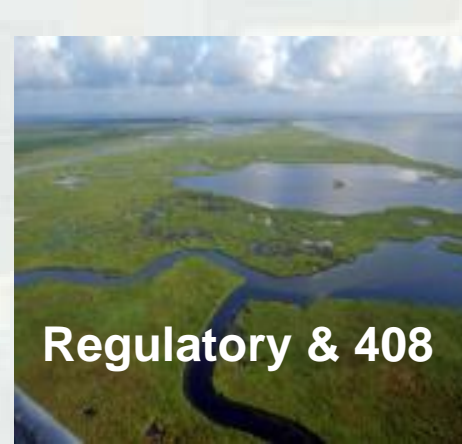


**Deauthorizations
& Backlog
Prevention**

**Water Supply and
Reservoirs**



Regulatory & 408



**Project Development
and Delivery
(Including Planning)**



**Alternative
Financing**



Dam Safety



Levee Safety



Navigation



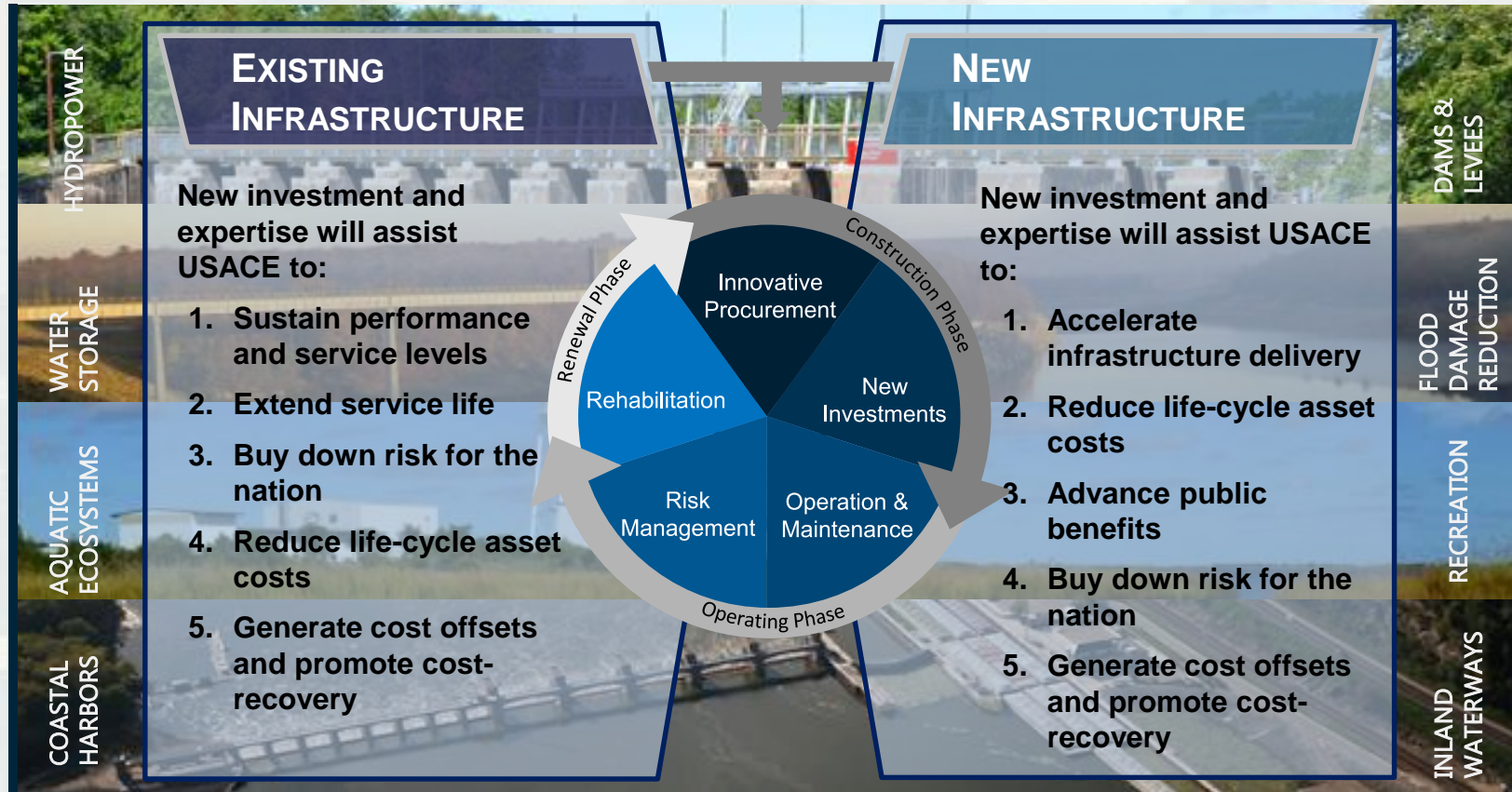
**Non-Federal
Implementation**



Credits



Why Alternative Financing for USACE?

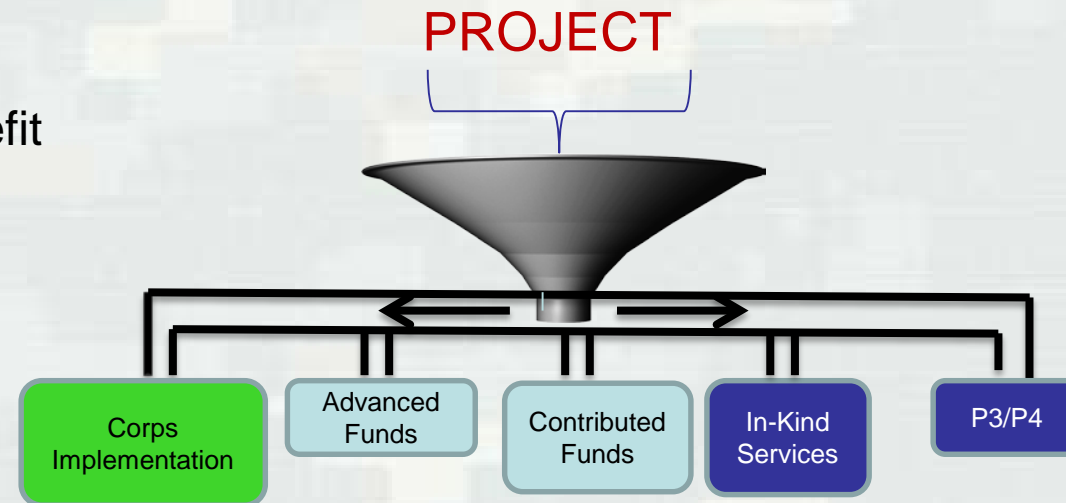


Alternative Financing is viewed as an additional tool to help USACE deliver critical infrastructure and services to the nation.



Alternative Financing Way Ahead

- Accelerating Existing / Creating New Benefit Streams
- Capturing Funding Streams
- Establishing Partnerships
- Developing Business Case
- Leveraging Authorities (Fed/State/Local)



Closing Thoughts

- The Corps has strong strategic partnerships within the Texas Coastal community that support Federal and non-Federal investment in the system's infrastructure
- Addressing the Nation's/Region's Infrastructure Investment Needs and Challenges is a Shared Responsibility
- Need to Reshape How We Think and Talk about the National and Regional PortfolioNot Just About Current and Future Corps "Portfolio"
- Increasingly Important to Consider New Ways of Addressing Infrastructure Investment Needs (Both Existing and New Systems)

