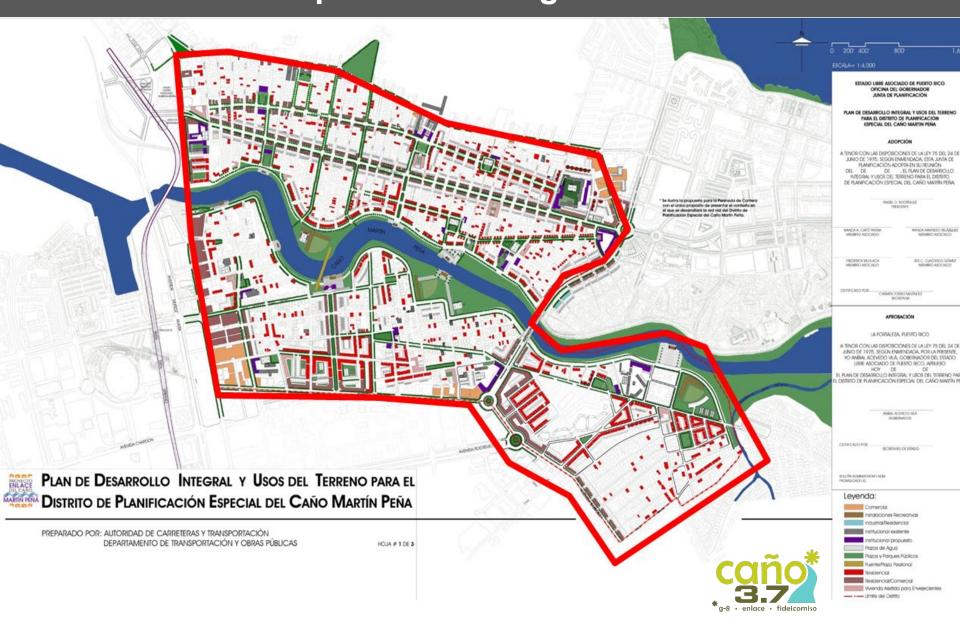






Comprehensive Development and Land Use Plan for the Caño Martin Peña Special Planning District

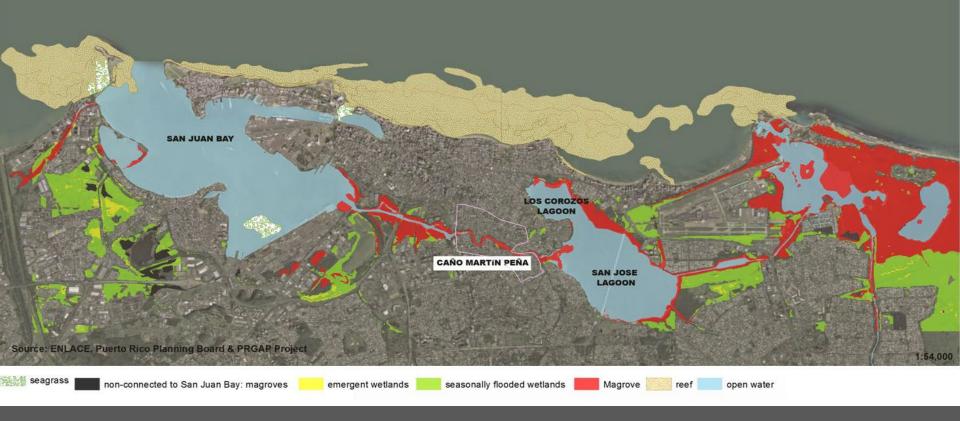


Section 5127 of the Water Resources Development Act of 2007

Authorizes the CMP-ERP as a multi-purpose Ecosystem Restoration and Flood Risk Management Project:

"The Secretary shall review a report prepared by the non-Federal interest concerning *flood protection and environmental restoration* for Caño Martín Peña, San Juan, Puerto Rico, and, if the Secretary determines that the report meets the evaluation and design standards of the Corps of Engineers and that the project is feasible, the Secretary may carry out the project at a total cost of 150,000,000."





Improves connectivity within the Estuary by 61% Ecological uplift: 6,678 habitat units

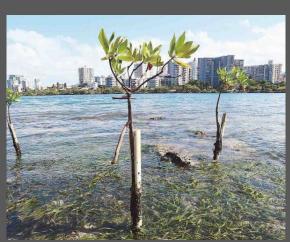
Increased biodiversity, Caribbean fisheries hotspot.



ECOSYSTEM RESTORATION BENEFITS



Restore the benthic habitat in the San José Lagoon.



Improve the fish habitat in the SJBE system.

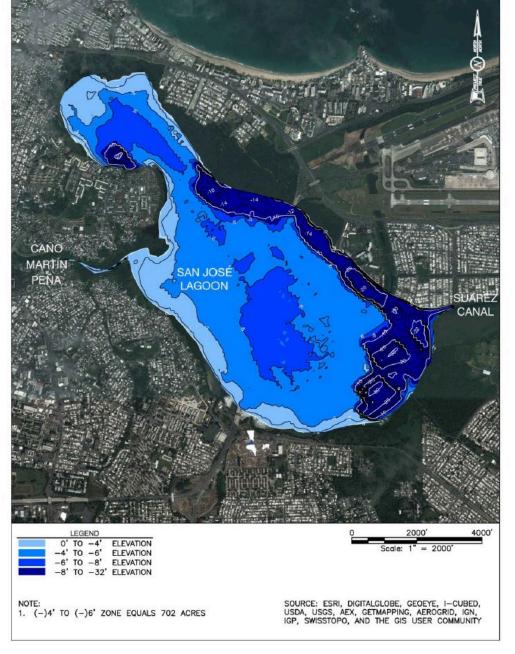


Increase biodiversity of species in the mangrove forests.



BENEFITS TO THE SAN JOSÉ LAGOON

- → Increase benthic communities.
- → Decrease salinity stratification.
- → Restoration of approx. 630 acres of the lagoon's bottom.



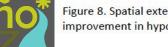


Figure 8. Spatial extent of water depth areas within San José Lagoon. Those depths with expectation of improvement in hypoxia/anoxia are the 702 acres located within the 4- to 6-foot elevation.

Reduce risks for critical infrastructure





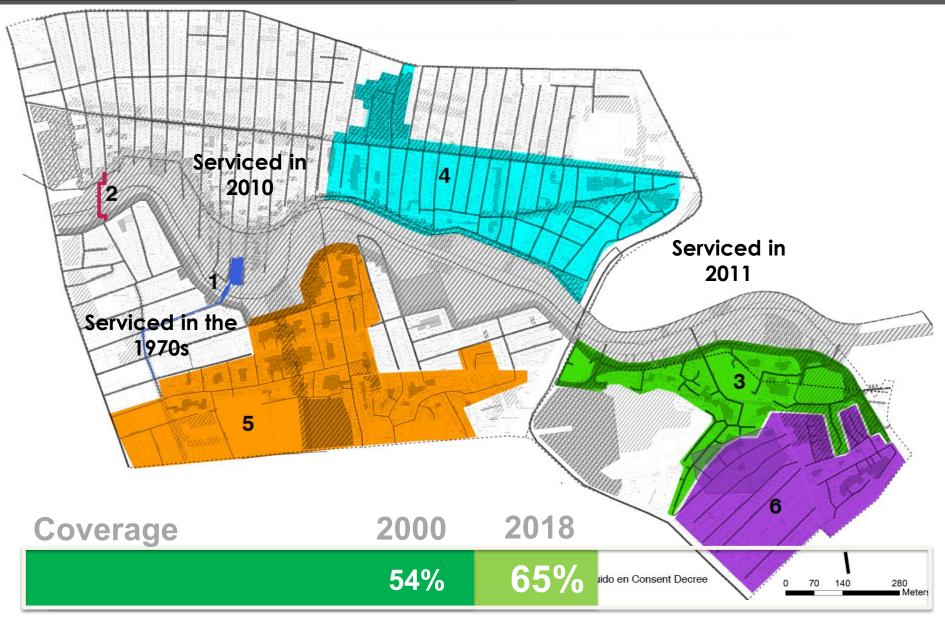
- Home to busiest port in the Caribbean
- 80% of goods enter Puerto Rico

- Loss in depth has increased floods at the Luis Muñoz Marín International Airport.
- Water residence time will be reduced 16.9 to 3.9 days.



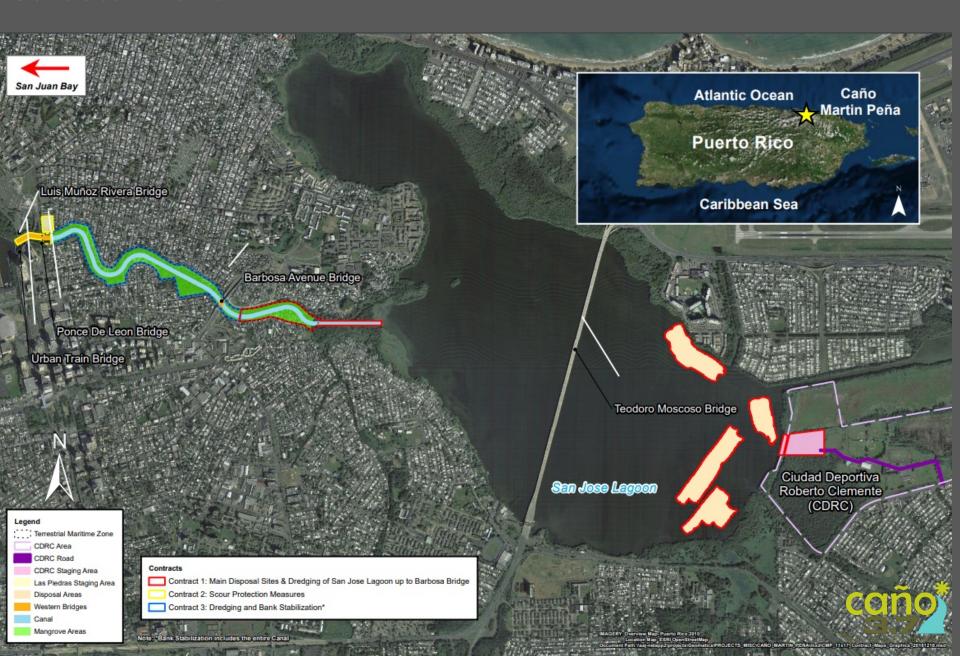


Areas without sanitary sewers



100%

National Ecosystem Restoration Plan Contract 1 – SHOVEL READY



Estimated costs: MCX 2019

Caño Martin Peña Ecosystem Restoration Project

\$255.81 M

TOTAL PROJECT COSTS ESTIMATES

Fully funded, MCX Certified as of March 2019. WRDA 2007 authorized \$150 M (per inflation).

\$164.81 M

FEDERAL SHARE OF THE PROJECT

Federal share estimate for PED and construction.

\$91 M

LOCAL COST SHARE

Combination of cash contributions, in kind, and acquisitions & relocations (LERRDs).

By the end of FY2020, ENLACE will have invested at least 41% of its cost share requirements in LERRDs.

Pre-construction, Engineering and Design Fully Funded (\$3.85 M)

COMPLETED BY FY2019:

- Water Quality Certificate (PREQB)
- Acquisition of hydrograpic data in the San José Lagoon
- Acquisition of topographic data in the San José Lagoon, Caño, CDRC, and all bridge cross sections.
- Evaluation of biometric for San José Lagoon for Contained Aquatic Disposal (CAD)
- Geotech Investigations Ph I & II and Environmental Sampling Ph I
- SHPO Coordination

PROJECTED BY FY2020:

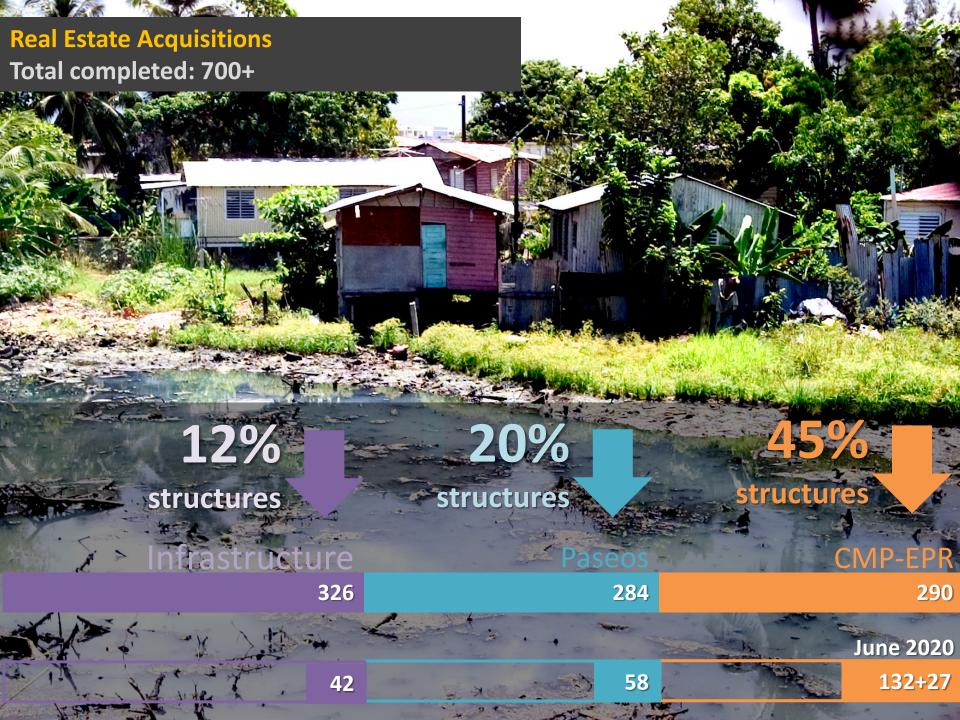
- Geotechnical Investigations Ph III
- Environmental Sampling of Sediments (404) Ph II
- Bridge scanning and inspection
- Survey to update/complete P&S for Contract #1
- Completion of Plans & Specs for Contract #1



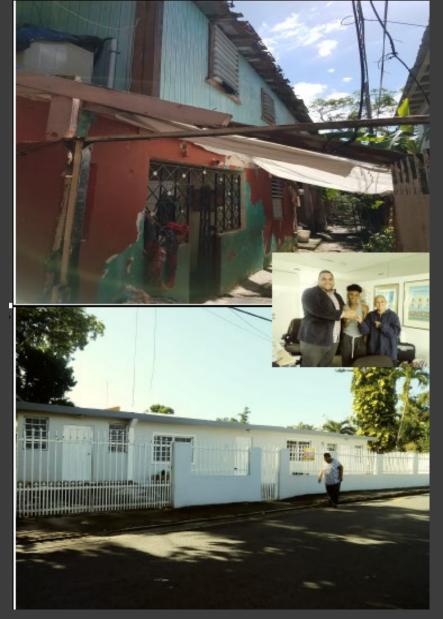
LERRDs

Phase		Estimated costs (millions)		Expenses and allocations					
				By FY19		FY20		Total	
LEERDs.	\$	47.52	\$	17.01	\$ 4	1.55	\$	21.56	
Relocation of the 115kW Power Transmission Line 38900 of PREPA (Completed)			\$	0.24			\$	0.24	
Relocation of Rexach Trunk Sewer of PRASA			\$	0.62			\$	0.62	
Relocation of Borinquen Potable Water Line (Construction contract awarded with funds of ENLACE and PRASA), includes acquisitions & relocations			\$	3.83			\$	3.83	
Acquisition of 297 structures and relocation of eligible occupants (ENLACE and Cantera).			\$	12.32	\$	4.55	\$	16.87	

By the end of FY2020, **ENLACE** will have invested at least 45% of its cost share requirements in LERRDs.

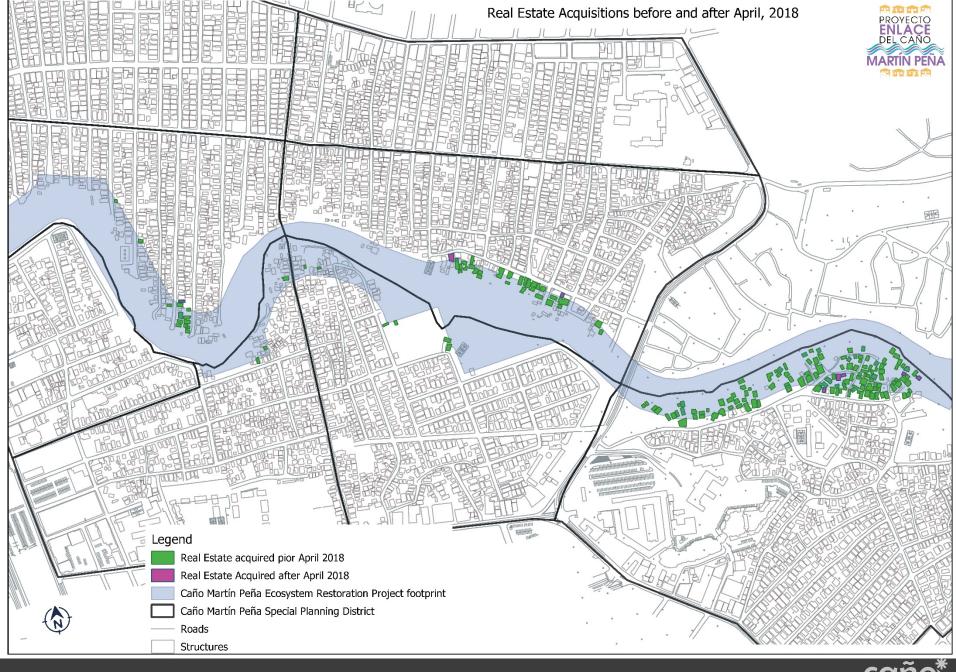




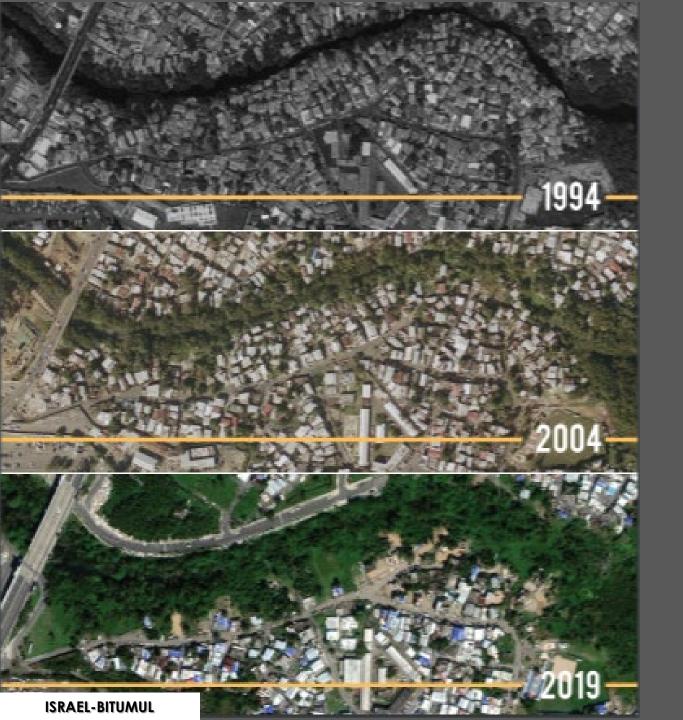


Workshop to Eligible Occupants

Owner-Occupant Relocation







Demolitions

315

Structures demolished to date

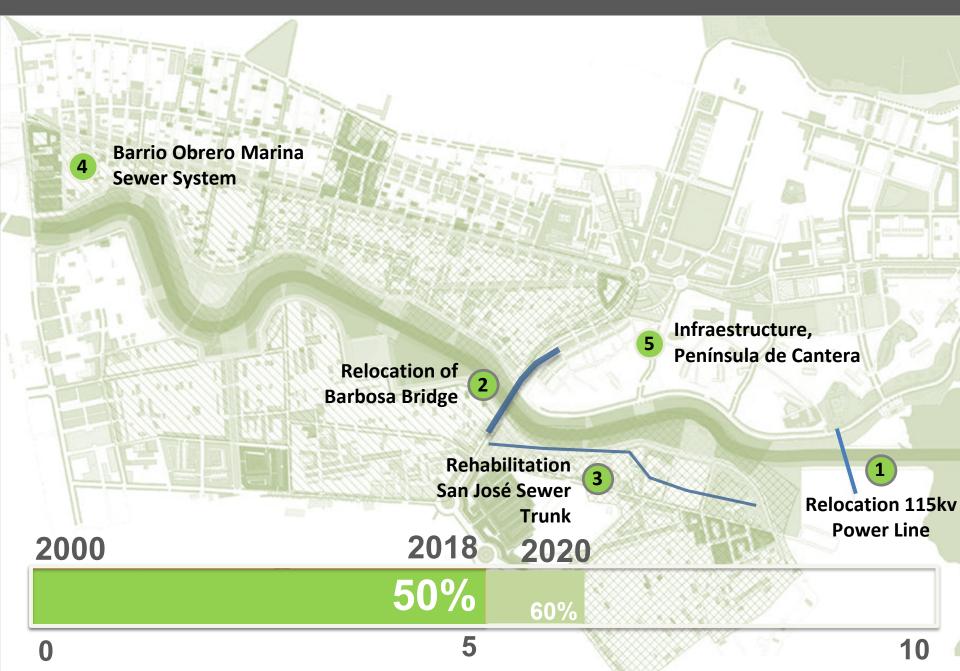
75

Structures scheduled for demolition during FY 2020

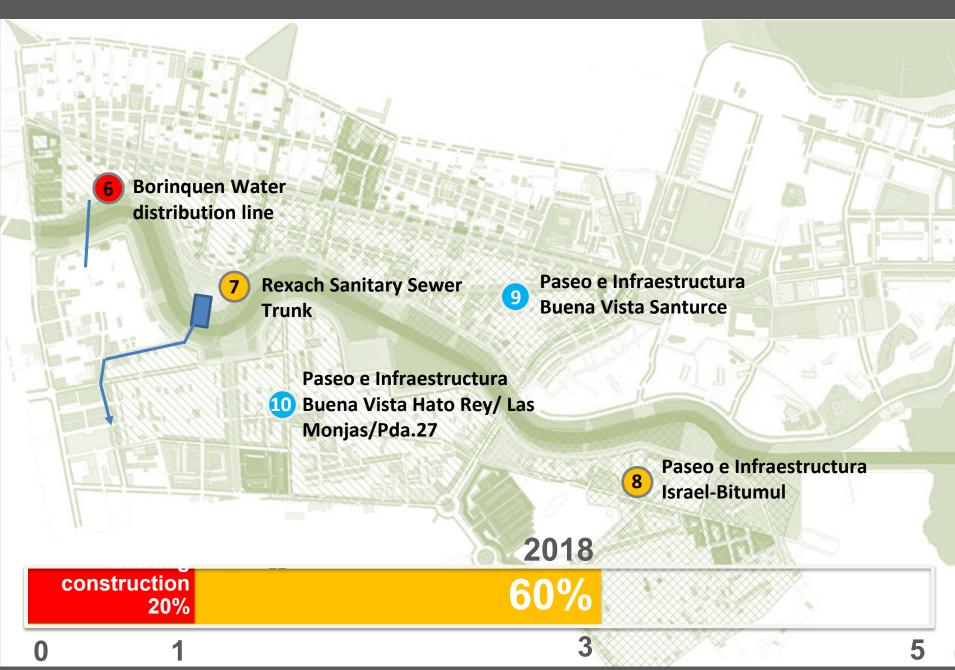




Key projects- COMPLETED



CRITICAL PROJECTS/ DESIGNED



Puerto Rico has invested over \$120 million in local funds towards comprehensive development in Martín Peña.

Caño Martín Peña Ecosystem Restoration Project – USACE

USACE Work Plan FY 2020: Construction New Start

House Energy and Water Development Act, 2020 (H.R. 2960)

House Report Language: "The Committee remains interested in the timely advancement of this project and recognizes the ancillary benefits this project would bring for flood protection, improved water quality, and economic revitalization in a disadvantaged corridor of San Juan. The Committee encourages the Corps to work with the non-federal sponsor and to include funding for this project in future budget requests. The Corps is directed to brief the Committee not later than 90 days after enactment of this Act on the status of this project"

Senate Energy and Water Development Act, 2020 (S.2470)

Senate Report Language: "The Committee recognizes the importance of the Caño Martin Peña Ecosystem Restoration Project to residents' health and well-being, the local economy and environment, and the reduction of coastal flood and storm damage risk. The Committee understands that the PED phase of the project is on track to conclude by the end of fiscal year 2019. The Committee encourages the Corps to include appropriate funding in future budget requests and to coordinate closely with non-Federal interests in Puerto Rico to establish a project partnership agreement to continue to advance this critical project for environmental restoration, economic revitalization, and flood protection in a timely manner."

Strategies for New Start FY2020

USACE Work Plan FY 2020: *Construction New Start*

#1 Work Plan FY 2020

Support H.R. 2960 & S.2470, which includes \$2.337 billion & \$7.75 billion, respectively, and six new construction starts (each bill) under USACE's Work Plan budget for FY 2020. This will allow the CMP-ERP to compete for funding as a construction new start.

#2 USACE/OMB

 Encourage the ASA-CW and OMB to select the CMP-ERP as an ecosystem restoration new construction start under USACE's Work Plan budget for FY 2020, upon approval of the



