

# CALIFORNIA MARINE AFFAIRS AND NAVIGATION CONFERENCE REDONDO BEACH, CA, JAN 2017

## SOUTH PACIFIC DIVISION REGIONAL NAVIGATION OVERVIEW

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*"The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."*



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# ***WHAT WE WILL COVER ...***

- Navigation Program Overview, Opportunities and Challenges
- CW Transformation; SPD Efficiency Initiatives
- Resiliency Sea Level Rise Planning
- Closing Thoughts



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# NAVIGATION BUDGET BY ACCOUNT (\$MILLIONS)

SPD						
Pres Bud Fiscal Yr	GI	CG	O&M	MR&T	Pres Bud Total Nav	Work Plan Total Nav
FY17	\$0.4	\$1.1	\$81.9	N/A	\$83.4	N/A
FY16	\$0.7	\$1.2*	\$76.5	N/A	\$78.4	\$185.6
FY15	\$0.8	\$6.9	\$79.1	N/A	\$86.7	\$113.7
FY14	\$1.5	\$1.2	\$69.6	N/A	\$72.3	\$106.8
FY13	\$0.1	\$1.0	\$62.7	N/A	\$63.8	\$65.8
FY12	\$0.1	\$3.8	\$53.9	N/A	\$60.9	\$79.6
National						
Pres Bud Fiscal Yr	GI	CG	O&M	MR&T	Pres Bud Total Nav	Work Plan Total Nav
FY17	\$22	\$348	\$1,527	\$37	\$1,934	N/A
FY 16	\$25	\$321	\$1,563	\$38	\$1,947	\$2,491
FY 15	\$22	\$277	\$1,487	\$39	\$1,825	\$2,325
FY 14	\$23	\$345	\$1,461	\$55	\$1,884	\$2,280
FY 13	\$25	\$352	\$1,326	\$44	\$1,747	\$1,717
FY 12	\$18	\$283	\$1,237	\$37	\$1,575	\$1,883

\* FY17 Pres Bud CG Does not include CAP funding

# ***OPPORTUNITIES AND CHALLENGES***

- WIIN Act / WRDA 2016
  - Federal Standard
  - Harbor Maintenance Trust Fund
  - Beneficial Use
  - Non- Federal Dredging Authority
- Regulatory compliance
- Small Harbor New investment justification
- Potential Transitions to P3
- Programmatic / Regional navigation funding



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# CIVIL WORKS TRANSFORMATION

- Budget Transformation; SPD focus O&M 2020 Framework

## Examples – NAV

		COMMON O&M			
		PROGRAMMATIC ACTIVITIES	ADMINISTRATIVE & TECHNICAL SUPPORT	LEGAL &/OR ENVIRONMENTAL MANDATES	SPECIFIC WORK ACTIVITIES
LEVELS OF PERFORMANCE	NO MISSION	Minimum fixed cost of ownership	Minimum compliance with guidance	Only non-discretionary with specific authority	Temporary fixes for continued critical operation
	PARTIAL MISSION	Minimum requirements for normal operation	Compliance with most guidance	Most authorized environmental mitigation covered	Basic minimum to attain current service life interval
	FULL MISSION	Complete lifecycle O&M needs	Full compliance with guidance	All discretionary compliance	Full renovation or replacement with new service life interval

↓ PRIORITIZED BY RELATIVE RISK & VALUE

# CIVIL WORKS TRANSFORMATION

- SMART SPD Civil Works PLANNING PORTFOLIO REVIEW RESET (14DEC2016)
  - Challenges
    - Age of FCSEA's
    - Number of budget recompletions
    - Number (17/33) of Exemption requests
    - Outlook of limit funding
  - Reclassification
    - Continue: Port of Long Beach Navigation Improvements
    - Transfer: SF Bay To Stockton (SAD)
- ASA/OMB focus on “study like” actions. Possible transition to investigations funding.
  - DMMPs under consideration to be defined as Decision Documents requiring delegated authority review and transmittal to ASA prior to continued investment decision



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# RESILIENCY AND SLR PLANNING

- Recent Success: South San Francisco Bay Shoreline Study (Alviso Pond) FRM project
  - ASA concurrence with using “high” scenario eliminates residual risk

## SOUTH SAN FRANCISCO SHORELINE STUDY SLR SCENARIO PLANNING AND LEVEE HEIGHT JUSTIFICATION

### ASSUMPTIONS:

- Base Year 2021
- Sea level change: Low: 0.51', Intermediate: 1.01'; High: 2.59'

### OUTCOMES:

- Minor variation in Net Benefits between levee heights ranging from 12'-15'
- 12.5' is the NED scale under Low & Intermediate SLC
- 13.5' is the NED scale under High SLC
- High SLC significant Residual Risk
- Recommended LPP at 15.2'**

Residual Risk - Annual Exceedance Probability (2067)

