



**ARMY CIVIL WORKS PROGRAM
FY 2018 WORK PLAN - INVESTIGATIONS**

STATE	DIVISION	BUSINESS PROGRAM 1/	STUDY OR PROGRAM	FY 2018 EXPLANATORY STATEMENT	ADDITIONAL WORK PLAN AMOUNT	TOTAL FY 2018 ALLOCATION	LINE ITEM OF ADDITIONAL FUNDING 1/	SUMMARY OF WORK TO BE ACCOMPLISHED WITH CONFERENCE ALLOCATION	SUMMARY OF WORK TO BE ACCOMPLISHED WITH FUNDING POT ALLOCATION
AK	POD	NHD	ALASKA REGIONAL PORTS (PORT OF NOME MODIFICATION), AK		\$200,000	\$200,000	4		Funding will continue the feasibility study phase
AK	POD	NHS	KOTZEBUE SMALL BOAT HARBOR, AK	\$370,000		\$370,000		Funding will complete the feasibility study phase	
AK	POD	FDRC	LOWELL CREEK TUNNEL FLOOD DIVERSION, AK	\$950,000		\$950,000		Funding will complete the feasibility study phase	
AK	POD	NHS	SAINT GEORGE HARBOR IMPROVEMENT, AK	\$362,000		\$362,000		Funding will complete the feasibility study phase	
AK	POD	NHS	UNALASKA (DUTCH) HARBOR, AK	\$950,000		\$950,000		Funding will complete the feasibility study phase	
AL	SAD	NHD	MOBILE HARBOR, AL (GENERAL REEVALUATION REPORT)		\$2,043,750	\$2,043,750	5		Funding will complete the feasibility study phase
AL	SAD	FDRR	VILLAGE CREEK, AL	\$288,000		\$288,000		Funding will complete the feasibility study phase	
AR	SWD	NIH	THREE RIVERS, AR	\$270,000		\$270,000		Funding will complete the feasibility study phase	
AZ	SPD	FDRR	LITTLE COLORADO RIVER (WINSLOW), AZ	\$414,000		\$414,000		Funding will complete the feasibility study phase	
AZ	MVD	FDRR	LOWER SANTA CRUZ RIVER, AZ	\$250,000		\$250,000		Funding will complete the feasibility study phase	
CA	SPD	ENR	ALISO CREEK MAINSTEM, CA	\$100,000		\$100,000		Funding will complete the feasibility study phase	
CA	SPD	FDRR	AMERICAN RIVER (COMMON FEATURES), CA		\$907,500	\$907,500	2		Funding will continue the preconstruction, engineering, and design phase
CA	SPD	FDRR	CORTE MADERA CREEK, CA (GENERAL REEVALUATION REPORT)	\$682,000		\$682,000		Funding will complete the feasibility study phase	
CA	SPD	ENR	DRY CREEK (WARM SPRINGS) RESTORATION, CA	\$260,000		\$260,000		Funding will complete the feasibility study phase	
CA	SPD	ENR	EAST SAN PEDRO BAY ECOSYSTEM RESTORATION, CA	\$194,000		\$194,000		Funding will continue the feasibility study phase	
CA	SPD	FDRR	PAJARO RIVER AT WATSONVILLE, CA (GENERAL REEVALUATION REPORT)		\$100,000	\$100,000	1		Funding will complete the feasibility study phase
CA	SPD	NHD	PORT OF LONG BEACH NAVIGATION IMPROVEMENTS, CA	\$327,000		\$327,000		Funding will complete the feasibility study phase	
CA	SPD	FDRR	SACRAMENTO RIVER BANK PROTECTION (PHASE 3), CA (GENERAL REEVALUATION REPORT)	\$482,000		\$482,000		Funding will complete the feasibility study phase	
CA	SPD	NHD	SAN FRANCISCO BAY TO STOCKTON, CA (GENERAL REEVALUATION REPORT)		\$1,107,000	\$1,107,000	4		Funding will complete the feasibility study phase
CA	SPD	FDRC	SAN FRANCISCO WATERFRONT STORM DAMAGE REDUCTION, CA		\$500,000	\$500,000	2		Funding will initiate the feasibility study phase (New Start)
CA	SPD	FDRR	SAN JOAQUIN RIVER BASIN, LOWER SAN JOAQUIN, CA		\$1,000,000	\$1,000,000	2		Funding will initiate the preconstruction, engineering and design phase
CA	SPD	FDRR	SAN FRANCISQUITO CREEK, CA		\$646,500	\$646,500	2		Funding will complete the feasibility study phase
CA	SPD	FDRC	WESTMINSTER (EAST GARDEN GROVE) WATERSHED, CA		\$295,000	\$295,000	3		Funding will continue the feasibility study phase
CA	SPD	ENR	YUBA RIVER FISH PASSAGE, CA (ENLEBRIGHT AND DAGUERRE POINT DAMS)	\$819,000		\$819,000		Funding will complete the feasibility study phase	
CT	NAD	NHD	NEW HAVEN HARBOR DEEPENING, CT		\$400,000	\$400,000	4		Funding will complete the feasibility study phase
CO	NWD	ENR	ADAMS AND DENVER COUNTIES, CO		\$252,000	\$252,000	7		Funding will complete the feasibility study phase
DE	NAD	FDRC	DELAWARE INLAND BAYS AND DELAWARE BAY COAST, DE	\$700,000		\$700,000		Funding will continue the feasibility study phase	
FL	SAD	NHD	MIAMI HARBOR IMPROVEMENTS, FL		\$556,250	\$556,250	5		Funding will initiate the feasibility study phase (New Start)
GA	SAD	FDRR	SWEETWATER CREEK, GA	\$750,000		\$750,000		Funding will complete the feasibility study phase	
HI	POD	FDRR	IAO STREAM FLOOD CONTROL, MAUI, HI (GENERAL REEVALUATION REPORT)		\$600,000	\$600,000	1		Funding will initiate and complete the feasibility study phase
IA	NWD	ENR	GRAND RIVER BASIN, IA & MO	\$1,000,000		\$1,000,000		Funding will continue the feasibility study phase	
IL	LRD	FDRR	DU PAGE RIVER, IL	\$300,000		\$300,000		Funding will complete the feasibility study phase	
IL	LRD	ENR	INTERBASIN CONTROL OF GREAT LAKES-MISSISSIPPI RIVER AQUATIC NUISANCE SPECIES, IL, IN, OH & WI	\$1,850,000		\$1,850,000		Funding will continue the feasibility study phase	
IL	MVD	NIH	UPPER MISSISSIPPI RIVER - ILLINOIS WATERWAY SYSTEM, IL, IA, MN, MO & WI		\$1,000,000	\$1,000,000	4		Funding will initiate and complete an economic update
KS	NWD	FDRR	MANHATTAN, KS		\$1,120,000	\$1,120,000	2		Funding will complete the preconstruction, engineering and design phase

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LA	MVD	NIH	CALCASIEU LOCK, LA		\$1,035,000	\$1,035,000	6		Funding will complete the preconstruction, engineering and design phase
LA	MVD	NIH	INNER HARBOR NAVIGATION CANAL LOCK REPLACEMENT, LA (GENERAL REEVALUATION REPORT)		\$1,285,000	\$1,285,000	6		Funding will complete the feasibility study phase
LA	MVD	FDRC	SOUTHWEST COASTAL LOUISIANA, LA		\$820,000	\$820,000	1		Funding will initiate the preconstruction, engineering and design phase
MD	NAD	FDRC	CITY OF BALTIMORE, MD	\$200,000		\$200,000		Funding will initiate the feasibility study phase	
MD	NAD	ENR	EASTERN SHORE, MID CHESAPEAKE BAY ISLAND, MD		\$644,000	\$644,000	7		Funding will resume the preconstruction, engineering and design phase
MI	LRD	NHD	SAGINAW RIVER DEEPENING, SAGINAW, MI		\$100,000	\$100,000	4		Funding will complete the feasibility study phase
MP	POD	NHD	TINIAN HARBOR MODIFICATIONS, CNMI	\$514,000		\$514,000		Funding will complete the feasibility study phase	
ND	MVD	FDRR	SOURIS RIVER BASIN, ND	\$400,000	\$300,000	\$700,000	2	Funding will continue the feasibility study phase	Additional funding will complete the feasibility study phase
NE	NWD	FDRR	PAPILLION CREEK, NE (GENERAL REEVALUATION REPORT)		\$1,500,000	\$1,500,000	1		Funding will initiate and complete the feasibility study phase
NJ	NAD	FDRC	NEW JERSEY BACK BAYS, NJ	\$449,000	\$699,000	\$1,148,000	3	Funding will continue the feasibility study phase	Additional funding will continue the feasibility study phase
NJ	NAD	FDRR	PECKMAN RIVER BASIN, NJ		\$546,000	\$546,000	1		Funding will complete the feasibility study phase
NJ	NAD	FDRR	RAHWAY RIVER BASIN, NJ (UPPER BASIN)		\$500,000	\$500,000	1		Funding will complete the feasibility study phase
NM	SPD	ENR	ESPANOLA VALLEY, RIO GRANDE AND TRIBUTARIES, NM	\$65,000		\$65,000		Funding will complete the feasibility study phase	
NY	NAD	ENR	HUDSON RIVER HABITAT RESTORATION, NY	\$800,000		\$800,000		Funding will continue the feasibility study phase	
NY	NAD	FDRC	NASSAU COUNTY BACK BAYS, NY		\$604,000	\$930,000	1		Funding will continue the feasibility study phase
NY	NAD	FDRC	NASSAU COUNTY BACK BAYS, NY		\$326,000		3		
NY	NAD	FDRC	NEW YORK - NEW JERSEY HARBOR AND TRIBUTARIES, NY AND NJ		\$800,000	\$800,000	1		Funding will continue the feasibility study phase
NY	NAD	NHD	NEW YORK - NEW JERSEY HARBOR, NY AND NJ (GENERAL REEVALUATION REPORT)		\$1,400,000	\$1,400,000	5		Funding will complete the feasibility study phase
NY	NAD	FDRR	UPPER SUSQUEHANNA COMPREHENSIVE FLOOD DAMAGE REDUCTION, NY		\$526,000	\$526,000	2		Funding will complete the feasibility study phase
OK	SWD	ENR	ARKANSAS RIVER CORRIDOR, OK	\$235,000		\$235,000		Funding will complete the feasibility study phase	
PA	LRD	NIH	UPPER OHIO RIVER, ALLEGHENY AND BEAVER COUNTIES, PA		\$73,000	\$2,353,000	4		Funding will continue the preconstruction, engineering and design phase and complete the economic analysis and reevaluation report
PA	LRD	NIH	UPPER OHIO RIVER, ALLEGHENY AND BEAVER COUNTIES, PA		\$2,280,000		6		
PR	SAD	ENR	CANO MARTIN PENA ECOSYSTEM RESTORATION, PR		\$849,000	\$849,000	7		Funding will continue the preconstruction, engineering and design phase
PR	SAD	NHD	SAN JUAN HARBOR IMPROVEMENT STUDY, PR	\$400,000		\$400,000		Funding will complete the feasibility study phase	
RI	NAD	FDRC	RHODE ISLAND COASTLINE, RI	\$300,000		\$300,000		Funding will initiate the feasibility study phase	
TX	SWD	NHD	BRAZOS ISLAND HARBOR, TX (BROWNSVILLE CHANNEL)		\$1,000,000	\$1,000,000	5		Funding will initiate the preconstruction, engineering and design phase
TX	SWD	FDRC	COASTAL TEXAS PROTECTION AND RESTORATION STUDY, TX	\$2,175,000		\$2,175,000		Funding will continue the feasibility study phase	
TX	SWD	NHD	CORPUS CHRISTI SHIP CHANNEL, TX (LA QUINTA EXPANSION)		\$500,000	\$500,000	4		Funding will initiate the feasibility study phase (New Start)
TX	SWD	NIH	GIWW - BRAZOS RIVER FLOODGATES & COLORADO RIVER LOCK, TX	\$900,000		\$900,000		Funding will continue the feasibility study phase	
TX	SWD	NHD	GALVESTON HARBOR CHANNEL EXTENSION, HOUSTON - GALVESTON NAVIGATION CHANNELS, TX		\$410,000	\$410,000	4		Funding will complete the preconstruction, engineering and design phase
TX	SWD	NHD	HOUSTON SHIP CHANNEL, TX	\$1,500,000		\$1,500,000		Funding will continue the feasibility study phase	
TX	SWD	ENR	JEFFERSON COUNTY SHORE PROTECTION, TX	\$516,000		\$516,000		Funding will complete the feasibility study phase	
TX	SWD	NHD	MATAGORDA SHIP CHANNEL (WIDENING AND DEEPENING), TX	\$800,000		\$800,000		Funding will continue the feasibility study phase	
TX	SWD	ENR	MITCHELL LAKE, SAN ANTONIO, TX		\$1,500,000	\$1,500,000	8		Funding will initiate and complete the feasibility study phase (New Start)
TX	SWD	ENR	RESACAS AT BROWNSVILLE, TX	\$251,000		\$251,000		Funding will complete the feasibility study phase	

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TX	SWD	NHD	SABINE NECHES WATERWAY, TX		\$2,317,000	\$2,317,000	4		Funding will complete the preconstruction, engineering and design phase
VA	NAD	NIL	ATLANTIC INTRACOASTAL WATERWAY BRIDGE REPLACEMENT AT NORTH LANDING, VA	\$600,000	\$400,000	\$1,000,000	6	Funding will continue the feasibility study phase	Additional funding will continue the feasibility study phase
VA	NAD	FDRC	CITY OF NORFOLK, VA	\$700,000		\$700,000		Funding will complete the feasibility study phase	
WA	NWD	FDRR	MILL CREEK, WALLA WALLA COUNTY, WA		\$500,000	\$500,000	1		Funding will initiate the feasibility study phase (New Start)
WA	NWD	ENR	PUGET SOUND NEARSHORE MARINE HABITAT RESTORATION, WA (DUCKABUSH RIVER ESTUARY)		\$200,000	\$200,000	7		Funding will initiate the preconstruction, engineering and design phase
WA	NWD	ENR	SKOKOMISH RIVER BASIN, WA		\$1,055,000	\$1,055,000	7		Funding will complete the preconstruction, engineering and design phase
WA	NWD	NHD	TACOMA HARBOR, WA		\$500,000	\$500,000	4		Funding will initiate the feasibility study phase (New Start)
XX	ERDC	RI	ACCESS TO WATER DATA	\$360,000		\$360,000		Provide access to water resources data and related water quality data to the public	
XX	ERDC	RI	AUTOMATED INFORMATION SYSTEMS SUPPPORT TRI-SERVICE CADD/GIS TECHNOLOGY CENTER	\$250,000		\$250,000		Develop and publish geospatial standards	
XX	ERDC	RI	COASTAL FIELD DATA COLLECTION	\$1,000,000		\$1,000,000		Operating and maintaining coastal field research facility to develop coastal flood data. Systematically measure, analyze, and assemble long term coastal data that field offices use to accomplish the Corps mission in coastal navigation and storm damage reduction	
XX	IWR	RI	COMMITTEE ON MARINE TRANSPORTATION SYSTEMS	\$50,000		\$50,000		Fund Corps participation on the CMTS and support publication of related reports	
XX	HQ	RI	COORDINATION WITH OTHER WATER RESOURCE AGENCIES	\$400,000		\$400,000		Participation in the North American Waterfowl Management Program; National Estuary Program; and Regional Planning Bodies of the National Ocean Council. Review of environmental impacts resulting from installation of USDA project features. Review and determination of the flood control benefits of studies conducted by the Bureau of Reclamation for proposed Bureau of Reclamation projects.	
XX	HQ	RI	DISPOSITION OF COMPLETED PROJECTS	\$1,000,000		\$1,000,000		Disposition studies for Corps projects: St. Anthony Falls, Mississippi River, MN (\$350,000); Cape Fear Locks and Dams 1-3, NC (\$300,000); and Salinas Reservoir (Santa Margarita Lake), CA (\$350,000).	
XX	IWR	RI	ENVIRONMENTAL DATA STUDIES	\$80,000		\$80,000		Maintain and support a web-based geospatial data system that displays national ecological data	
XX	MVD	RI	FERC LICENSING	\$100,000		\$100,000		Conduct reviews of Federal Energy Regulatory Commission (FERC) preliminary permit & license applications for development of hydroelectric power	
XX	IWR	RI	FLOOD DAMAGE DATA	\$230,000		\$230,000		Collect and maintain basic flood damage data to support research efforts and to inform specific project studies	
XX	HQ	RI	FLOOD PLAIN MANAGEMENT SERVICES	\$15,000,000		\$15,000,000		Provide site specific flood and flood plain data and assistance to State and local communities	
XX	MVD	RI	HYDROLOGIC STUDIES	\$500,000		\$500,000		Collect and study basic hydrologic data for major storm events or special hydrologic processes; Develop flood inundation data for improved real time flood forecasting	
XX	HQ	RI	INTERAGENCY AND INTERNATIONAL SUPPORT	\$400,000		\$400,000		Support other Federal agencies, international organizations and foreign governments to address problems of national significance, and to collaborate with these entities	
XX	HQ	RI	INTERAGENCY WATER RESOURCE DEVELOPMENT	\$100,000		\$100,000		Coordinate with potential non Federal sponsors	
XX	IWR	RI	INTERNATIONAL WATER STUDIES	\$125,000		\$125,000		Participation in and support of boundary water treaties and related international agreements between the United States and Canada	
XX	IWR	RI	INVENTORY OF DAMS	\$400,000		\$400,000		Maintain and administer the National Inventory of Dams database and web site	
XX	IWR	RI	NATIONAL FLOOD RISK MANAGEMENT PROGRAM	\$5,000,000	\$300,000	\$5,300,000	1	Continue flood risk management coordination actions and plan development at the National,	Additional funding will be used to develop a tool to evaluate and rank flood risk projects on the basis of risk
XX	IWR	RI	NATIONAL SHORELINE MANAGEMENT STUDY	\$400,000	\$230,000	\$1,310,000	1	Support the Coastal Systems Portfolio Initiative	Additional funding will be used for CSPI maintenance and to complete the Great Lakes study.
XX	IWR	RI	NATIONAL SHORELINE MANAGEMENT STUDY		\$680,000		3		

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XX	HQ	RI	PLANNING ASSISTANCE TO STATES	\$8,000,000		\$8,000,000		Provide planning and technical assistance to States and local communities for a wide variety of water resource efforts, including watershed activities benefitting environmental restoration, flood risk management, and other watershed resources	
XX	HQ	RI	PLANNING SUPPORT PROGRAM	\$3,500,000		\$3,500,000		Support Planning Associates Program, Planning Centers of Expertise, and Planning Modernization efforts	
XX	IWR	RI	PRECIPITATION STUDIES	\$200,000		\$200,000		Conduct hydro meteorological studies coordination/support with the National Weather Service	
XX	ERDC	RI	REMOTE SENSING / GEOGRAPHIC INFORMATION SYSTEM SUPPORT	\$75,000		\$75,000		Provide technical support within USACE for remote sensing and GIS	
XX	ERDC	RI	RESEARCH AND DEVELOPMENT	\$25,000,000		\$25,000,000		Take advantage of rapidly developing technologies and techniques that will promote significant monetary savings and greater reliability, safety, enhanced efficiency, and environmental sustainability in planning, design, construction, operation and maintenance of civil works activities, which include Navigation (including Hydropower); Flood and Coastal Storm Damage Reduction; Emergency Management, Water Supply, and Recreation; and Environmental (including Regulatory)	
XX	ERDC	RI	SCIENTIFIC AND TECHNICAL INFORMATION CENTERS	\$50,000		\$50,000		Gather and disseminate information as required by P.L. 99 802, Federal Technology Transfer Act of 1986	
XX	HQ	RI	SPECIAL INVESTIGATIONS	\$1,000,000		\$1,000,000		Support efforts on requests from sources outside the Corps of Engineers, for information relating to unauthorized projects and other unauthorized and unfunded projects and/or activities, and which are not accomplished with a view toward determining whether a project can be developed.	
XX	IWR	RI	STREAM GAGING (U.S. GEOLOGICAL SURVEY)	\$550,000		\$550,000		Reimburse USGS for operation and maintenance of 2,500 stream gaging stations and data collection	
XX	IWR	RI	TRANSPORTATION SYSTEMS	\$1,000,000		\$1,000,000		Fund information and technical services and support for navigation projects; Update Regional Economic System Modeling tool	
XX	HQ	RI	TRIBAL PARTNERSHIP PROGRAM	\$1,500,000		\$1,500,000		Funds will be used to initiate, continue, and complete studies with Tribes and to build strategic partnerships	
			GRAND TOTAL	\$88,393,000	\$34,607,000	\$123,000,000			

1/ KEY:	FUNDING POT NAME	ADDITIONAL FUNDING
1	FLOOD AND STORM DAMAGE REDUCTION	\$6,500,000
2	FLOOD AND STORM DAMAGE REDUCTION (FLOOD CONTROL)	\$5,000,000
3	FLOOD AND STORM DAMAGE REDUCTION (SHORE PROTECTION)	\$2,000,000
4	NAVIGATION	\$6,607,000
5	NAVIGATION (COASTAL AND DEEP-DRAFT)	\$5,000,000
6	NAVIGATION (INLAND)	\$5,000,000
7	OTHER AUTHORIZED PROJECT PURPOSES	\$3,000,000
8	OTHER AUTHORIZED PROJECT PURPOSES (ENVIRONMENTAL RESTORATION OR COMPLIANCE)	\$1,500,000
FDRR	FLOOD DAMAGE REDUCTION RIVERINE	
FDRC	FLOOD DAMAGE REDUCTION COASTAL	
FOTH	FLOOD DAMAGE REDUCTION OTHER	
NHS	COASTAL NAVIGATION SHALLOW DRAFT	
NHD	COASTAL NAVIGATION DEEP DRAFT	
NIH	INLAND WATERWAYS HIGH USE	
NIL	INLAND WATERWAYS LOW USE	
ENR	ECOSYSTEM RESTORATION	
WTR	WATER REALLOCATION	
RI	REMAINING ITEMS	