



USACE Omaha Chiefs' Presentations – Part 2

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2023 SAME OMAHA POST INDUSTRY DAY

Brendan Kight, P.E.

Chief of Construction - Omaha District

1 JUNE 2023



"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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- ❖ *“If You Want a Good Partner, Be a Good Partner”*
- ❖ *“They Fail, We Fail” - Our Success is Mutually Dependent*
- ❖ *“Avoid the Avoidable” - Proactive Problem Solving & Decisiveness*
- ❖ *Elevate Issues Quickly & Transparently – Partner at All Levels*
- ❖ *Safety and Quality are Imperatives*
- ❖ *Leave with Reputations Collectively Enhanced*



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USACE OMAHA DISTRICT PROGRAM

Kayla Eckert Uptmor
Chief, Civil Works Branch
Congressional Liaison

Presented to:
2023 SAME Omaha Post Industry Day

1Jun 2023



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Omaha Specific Characteristics

- Regulatory Program in 6 states
- Real Estate Services in 10 states
- 700,000 square miles
- Nearly 60 locations
- 27 Dams (6 mainstem dams)
- 247 miles River Navigation
- 284 Recreation Areas
- 99 miles Missouri National Recreation River
- 6,627 miles of Shoreline
- 5,000+ Regulatory Permit Applications annually
- 53 Federally-recognized Tribal Nations (29 - Missouri River System)
- Protected Cultural Sites
- 2,300+ projects annually
- 658 miles of levees
- 37 Public Water Systems w/Intakes (700+ 'straws')*

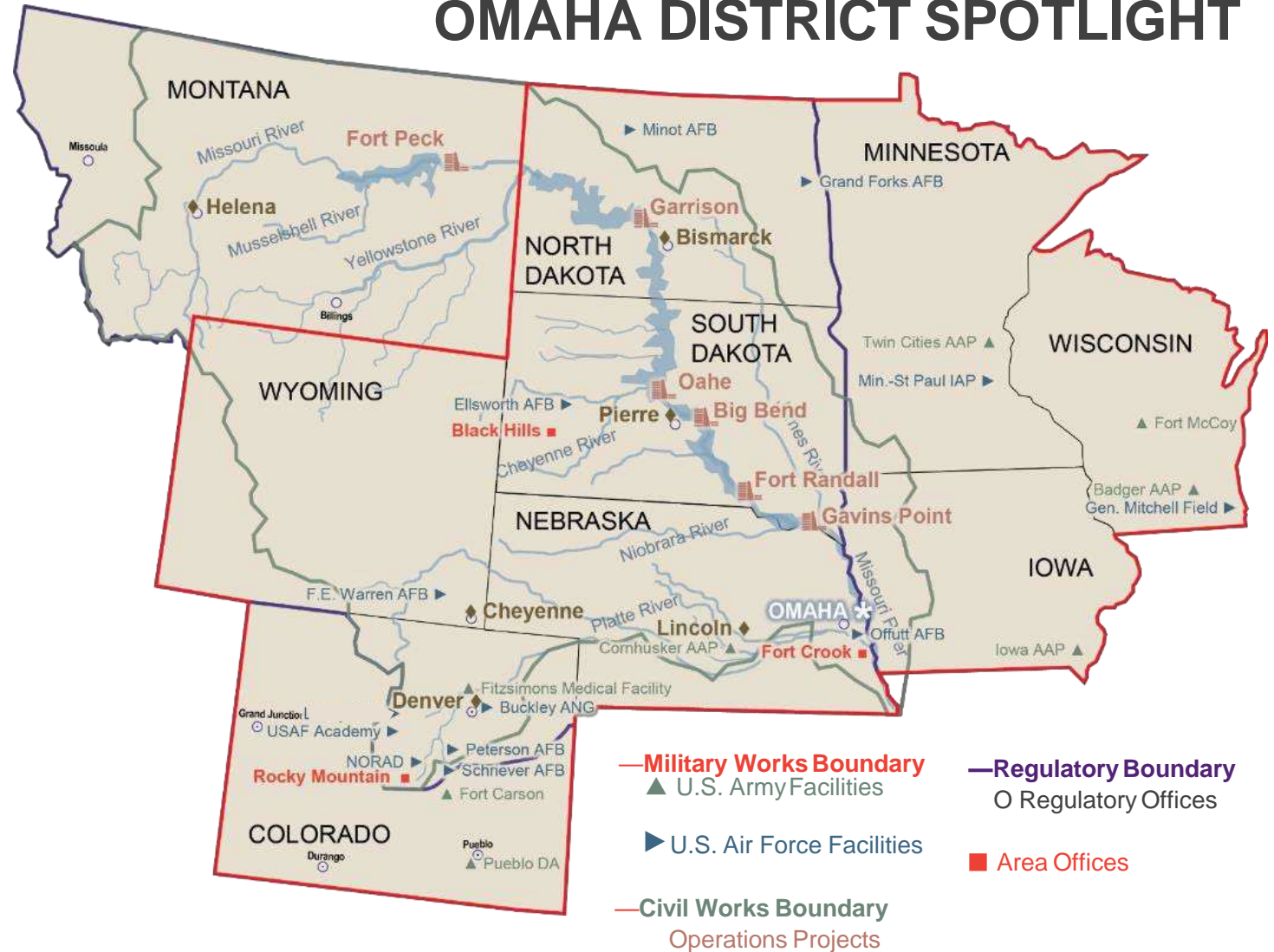
Centers of Expertise

- Protective Design MCX
- Transportation MCX
- Fuels Systems MCX
- Rapid Response CX
- Interior Design CX
- Military Munitions Restoration Program Design Center
- Dam Safety Production Center

Centers of Standardization

- Religious Facilities COS
- Access Control Points COS

OMAHA DISTRICT SPOTLIGHT



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WATER RESOURCES DEVELOPMENT ACT OF 2022

- The Water Resources Development Act of 2022 (PL 117-263), enacted 23 DEC 2022, is a comprehensive legislative package that provides for the conservation and development of water and related resources.
- WRDA 2022 authorizes 25 new projects for construction totaling project costs of approximately \$69 billion.
- WRDA 2022 authorizes 94 new feasibility studies, including those identified by non-Federal interests annually in accordance with section 7001 of the Water Resources Reform and Development Act of 2014, as well as 12 modifications to existing studies.
- Environmental Infrastructure Assistance (EI), which has existed through Congressional adds, is being included in the PBUD for the first time ever, FY24 PBUD \$5M.
- FY24 PBUD \$5M focuses on projects “that will benefit disadvantaged communities and meet the thresholds identified in the Climate and Economic Justice Tool for the critical clean water and wastewater infrastructure category.”
 - Detroit, MI -\$1M for CSO Flow Monitoring Sensors
 - Pearl, MS -\$1.25M for sewer and wastewater improvements
 - **Great Falls, MT -\$750K for water distribution and sewage collection pipes**
 - St. Louis, MO - \$2M for construction assistance for rehabilitation of combined sewer overflows within the St. Louis service area.



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WATER RESOURCES DEVELOPMENT ACT OF 2022

Omaha District Highlights of Specific Sections

Sec. 8201. Authorization of proposed feasibility studies.

a) New Studies

(48) BELLEVUE, NEBRASKA.—Project for flood risk management, Bellevue, Nebraska, including the placement of a pump station near Offutt Ditch.

(49) PAPILLION CREEK, NEBRASKA.—Project for flood risk management, including levee improvement, Papillion Creek, Nebraska.

(50) SARPY COUNTY, NEBRASKA.—Project for flood risk management, Sarpy County, Nebraska.

(81) BIG SIOUX RIVER, SOUTH DAKOTA.— Project for flood risk management, City of Watertown and vicinity, South Dakota.

(2) BELLEVUE AND PAPILLION CREEK, NEBRASKA.—The studies authorized by paragraphs (48) and (49) of subsection (a) shall be considered a continuation of the study that resulted in the Chief's Report for the project for Papillion Creek and Tributaries Lakes, Nebraska, signed January 24, 2022.

Sec. 8151. Materials, services, and funds for repair, restoration, or rehabilitation of certain public recreation facilities. This section authorizes the Secretary to accept and use non-Federal materials, services, and funds to repair, restore, or rehabilitate public recreation facilities at Corps operated reservoirs in the Upper Missouri River Basin during periods of low water. Authorizes \$20M for this provision.

Sec. 8388. Surplus water contracts and water storage agreements. This section makes permanent the prohibition on the charging of fees for surplus water contracts in the Upper Missouri Mainstem Reservoirs enacted in section 1046(c) of WRRDA 2014.

Sec. 8155. Continuation of construction. This section provides the Secretary with temporary authority to continue with the construction of certain projects beyond the 902 limit until Dec 31, 2024.

Sec. 8317. South Platte River and Tributaries, Adams and Denver Counties, Colorado. This section directs the Secretary to expedite the completion of a written agreement under section 204(d) of WRDA 1986 with the non-Federal interest for the project for ecosystem restoration and flood risk management, South Platte River and Tributaries, Adams and Denver Counties, Colorado.

Sec. 8350. Lower Missouri River streambank erosion control evaluation and demonstration projects. This section creates a demonstration program for new methods and techniques that prevent erosion and protect or stabilize streambanks in the Lower Missouri River.

Sec. 8351. Missouri River interception-rearing complexes. This section authorizes the Secretary to carry out construction of interception-rearing complexes at certain locations on the Missouri River, provided any adverse impacts from such construction are identified and mitigated. Secretary is authorized to carry out the construction of an interception rearing complex at each of Plowboy Bend A (River Mile: 174.5 to 173.2) and Pelican Bend B (River Mile: 15.8 to 13.4) on the Missouri River.

***Sec. 8352. Missouri River mitigation project, Missouri, Kansas, Iowa, and Nebraska.** This section directs the Secretary to apply lands or interests in lands held by other Federal agencies to fulfill acreage requirements under the Corps' mitigation responsibilities on the Missouri River. (This provision will require substantial coordination with other federal agencies and likely future clarifying WRDA amendments to make this implementable which was discussed with committee staff.)

Sec. 8397. Expedited completion of projects and studies. This section directs the Secretary, to the maximum extent practicable, to expedite the completion of designated water resources development projects and studies including:

(W) Assistance for ecosystem restoration, Lower Yellowstone Intake Diversion Dam, Montana, authorized pursuant to section 3109 of the Water Resources Development Act of 2007 (121 Stat. 1135).

(AA) Projects for critical restoration, Missouri River Restoration, South Dakota, included in the plan developed under section 905(e) of the Water Resources Development Act of 2000 (114 Stat. 2707).

(EE) The development and implementation of a sediment management plan at Big Horn Lake, Wyoming, pursuant to section 1179(a) of the Water Resources Development Act of 2016 (130 Stat. 1675).

Sec. 8401. Project authorizations. This section authorizes water resources projects that have completed technical review by the Corps and are recommended by the Chief of Engineers. The projects are authorized to be carried out in accordance with the plan, and subject to the conditions, described in the Chief's Reports. The section also authorizes modifications to previously authorized projects. Papillion Creek and Tributaries Lakes



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Consolidated Appropriations Act, 2023 H.R. 2617/ Public Law No: 117-328 on 12/29/2022

This bill provides 12 appropriations to federal agencies for the remainder of FY2023, provides supplemental appropriations for disaster relief and to support Ukraine, extends several expiring authorities, and modifies or establishes various programs that address a wide range of policy areas. (USACE: the Energy and Water Development and Related Agencies Appropriations)

*For the Civil Works program, the bill provides a total of **\$8.660 billion**, an increase of \$2.059 billion above the President's budget request.

*Appropriations for the Corps are distributed across Division D (regular location) and Division N (regular and supplemental appropriations).

FY23 REGULAR APPROPRIATIONS (Millions \$)

Account	Division D	Division D HMTI ²	Division N Regular Appropriations ¹	FY23 PBUD
Investigations	172.5			105.9
Construction	1,808.8	(75.5)	297.2	1,257.4
MR&T	370.0	(15.4)		230.0
O&M	5,078.5	(2,227.1)	52.8	4,298.1
Regulatory ¹	218.0			210.0
FUSRAP	400.0			250.0
FCCE	35.0			35.0
Expenses ²	215.0			200.0
ASA (CW) ¹	5.0			5.0
WIFIA ^{1,2}	7.2			10.0
TOTAL	8,310.0	(2,318.0)	350.0	6,601.4

	Division D	Division N
Investigations		
Additional Funding	3,500,000	
Flood and Storm Damage Reduction	4,000,000	
Construction		
Additional Funding		
Flood and Storm Damage Reduction		45,000,000
Flood Control		36,575,000
Shore Protection		36,575,000
Navigation		113,550,000
Other Authorized Project Purposes		19,000,000
Environmental Restoration and Compliance		28,500,000
Environmental Infrastructure		18,000,000
MR&T		
Additional Funding	-	
Dredging	10,075,000	
Flood Control	17,300,000	
Other Authorized Project Purposes	10,000,000	
O&M		
Additional Funding	-	
Navigation Maintenance	32,000,000	
Deep-Draft Harbor and Channel	352,384,000	
Donor and Energy Transfer Ports	56,000,000	
Small, Remote, or Subsistence Navigation	65,000,000	
Other Authorized Project Purposes	11,277,000	16,800,000
IWTF		36,000,000

*FUNDING POTS

\$350M of additional funding is provided in Division N across the Construction (\$297M) and O&M (\$53M) accounts. For the FY23 Omnibus, the Construction account funding pots we typically see are contained within Division N. Within some of these funding pots are further carve-outs that allocate specific amounts to particular types of projects, such as construction projects that principally address drainage in urban areas, which is "carved out" of the amounts in Flood and Storm Damage Reduction and Flood Control.

New Starts (cumulative all bills):

- Investigations (17 total):
 - o 14 New Starts under Earmarks
 - o 3 New Starts from PBUD (Sacramento River Yolo Bypass, Whitney Lake, Lafitte)
- Construction (3 total, all earmarks):
 - o Unalaska (Dutch Harbor) Channels, AK
 - o Des Plaines River, Phase II, IL
 - o Puget Sound Nearshore Marine Habitat Restoration, WA

Earmarks (Community Project Funding/ Congressional Directed Spending)

The Corps received a total of **\$1,020,509,000** across 175 earmark requests.

Account	# of Projects	Sum
Investigations	45	51,843,000
Construction	30	546,570,000
CAP	11	1,610,000
EI	33	130,965,000
MR&T/Construction	6	93,900,000
MR&T/O&M	1	10,000,000
Operation and Maintenance	49	185,621,000
Grand Total	175	1,020,509,000

Omaha Specific Congressional Directed Spending:

- CG/Sec 14: Ring Thunder Road, Mellette County, SD \$100k (Rounds SD)
- GI/TPP: Lower Moreau, SD \$230k (Rounds SD)
- GI/TPP: Thunder Butte Flood Risk Resiliency, SD \$430k (Rounds SD)
- GI: Watertown and Vicinity, SD \$850k (Rounds SD)

NWO FY23

Appropriations (minus CAP and “cap like” projects not earmarked)

GI	\$	5,910,000
GI-PED	\$	850,000
CG-PED	\$	200,000
CG	\$	50,541,000
OM	\$	87,111,000
OM-RI (CG)	\$	10,000,000
FY23 TOTAL	\$	154,612,000

Approp	District	PROJECT NAME	State	BL	FY23	FY23	FY23
					591,828		
	DISTRICT	PROJECT NAME		BL	Pressbook	EarMarks	IJJA
GI	NWO	Garrison Dam, LaKe Sakakawea, ND	ND		4,250		
GI	NWO	Little Goose Creek, Sheridan, WY	WY	ENR	1,000		
GI	NWO	Lower Moreau, SD	SD			230	
GI	NWO	Thunder Butte Flood Risk Resiliency, SD	SD			430	
GI	NWO	Watertown and Vicinity, SD	SD	FDR		850	
CG-PED	NWO	BIA Route 2 Near on the Tree, SD	SD	FRM		100	
CG	NWK/N	Missouri River Fish & Wildlife Rec(Mitigation), IA, NE, KS &MO	IA	ENR	25,211.5		
CG	NWO	Pipestem Lake, ND	ND		25,330		
CG-PED	NWO	Ring Thunder Road, Mellette County, SD	SD			100	
OM	NWO	Bear Creek Lake , CO	CO	F-E-R	608		
OM	NWO	Big Bend Dam - Lake Sharpe, SD	SD	H-E-R-W	11,102		
OM	NWO	Bowman - Haley Lake, ND	ND	F-E-R-W	258		
OM	NWO	Chatfield, Lake, CO	CO	F-E-R	1,820		
OM	NWO	Cherry Creek Lake, CO	CO	F-E-R	1,126		
OM	NWO	Cold Brook Lake, SD	SD	F-E-R	346		
OM	NWO	Cottonwood Springs Lake, SD	SD	F-E-R	238		
OM	NWO	Ft Randall Dam - Lake FC, SD	SD	F-N-H-E-R-W	12,197		
OM	NWO	Ft Peck Dam & Lake, MT	MT	F-N-H-E-R-W	6,826		
OM	NWO	Garrison Dam, Lake Sakakawea, ND	ND	F-N-H-E-R-W	17,244		475
OM	NWO	Gavins Point Dam, L&C Lake, NE	NE	F-N-H-E-R-W	10,091		
OM	NWO	Inspection of Completed Works, CO	CO	FDR	149		
OM	NWO	Inspection of Completed Works, IA	IA	FDR	665		
OM	NWO	Inspection of Completed Works, MT	MT	FDR	162		
OM	NWO	Inspection of Completed Works, ND	ND	FDR	99		
OM	NWO	Inspection of Completed Works, NE	NE	FDR	772		
OM	NWO	Inspection of Completed Works, SD	SD	FDR	219		
OM	NWO	Inspection of Completed Works, WY	WY	FDR	51		
OM	NWO	Missouri River - Kenslers Bend, NE to Sioux City, IA	NE	FDR	113		
OM	NWO	Oahe Dam - Lake Oahe, SD	SD	F-N-H-E-R-W	13,301		6,000
OM	NWO	Papillion Creek & Tribs. Lakes, NE	NE	FDR	800		
OM	NWO	Pipestem Lake, ND	ND	FDR	620		
OM	NWO	Salt Creek & Tribs., NE	NE	FDR	1,310		
OM	NWO	Scheduling Reservoir Operations, MT	MT	FDR	130		
OM	NWO	Scheduling Reservoir Operations, ND	ND	FDR	128		
OM	NWO	Scheduling Reservoir Operations, SD	SD	FDR	149		
OM	NWO	Scheduling Reservoir Operations, WY	WY	FDR	112		

The President's Budget for Fiscal Year (FY) 2024 for the Army Corps of Engineers Civil Works program reflects the administration's priorities to grow the nation's economy, decrease climate risk for communities, increase ecosystem resilience to climate change, and promote environmental justice in disadvantaged communities in line with Justice40.

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS
CIVIL WORKS FISCAL YEAR 2024 BUDGET

The Fiscal Year (FY) 2024 Budget provides \$7,413,000,000 for the Civil Works program of the U.S. Army Corps of Engineers. The Civil Works program supports water resources development, management, and restoration through investigations and surveys, engineering and design, construction, and operation and maintenance as authorized by Congress. FY 2024 requested appropriations and current estimates of additional new resources are as follows:

	Amount (\$)
Appropriations Accounts:	
Investigations	129,832,000
Construction	2,014,577,000
Operation and Maintenance	2,629,913,000 1/
Regulatory Program	221,000,000
Mississippi River and Tributaries	226,478,000
Formerly Utilized Sites Remedial Action Program	200,000,000
Expenses	212,000,000
Flood Control and Coastal Emergencies	40,000,000
Water Infrastructure Finance and Innovation Act	7,200,000
Assistant Secretary of the Army for Civil Works	6,000,000
Harbor Maintenance Trust Fund	1,726,000,000
TOTAL	7,413,000,000
Sources of Appropriations:	
General Fund	(5,624,378,000)
Harbor Maintenance Trust Fund	(1,726,000,000)
Special Recreation User Fees	(62,622,000)
TOTAL	(7,413,000,000)
Additional New Resources Not Included in the Budget:	
Rivers and Harbors Contributed Funds	648,360,000 2/
Coastal Wetlands Restoration Trust Fund	96,662,000 3/
Permanent Appropriations	24,481,000 4/
Special Use Permit Fees	798,000
Interagency America the Beautiful Pass Revenues	1,325,000
Bonneville Power Administration	249,274,000 5/
South Dakota Terrestrial Trust Fund	2,338,000
TOTAL	1,023,238,000

1/ Includes estimated \$45,994,000 in Special Recreation User Fees.

2/ Includes amounts for the required non-Federal cost share of projects; amounts in excess of the non-Federal cost share that are provided as voluntarily contributed or advanced funds; and amounts for certain work carried out in connection with the project with 100 percent non-Federal funding

3/ Transferred from the Sport Fish Restoration Account of the Aquatic Resource Trust Fund for planning, protection, and restoration of coastal wetlands in the state of Louisiana.

4/ Includes Payment to States, Maintenance and Operation of Dams, and Hydraulic Mining

5/ This amount is based on a three year average of actual funding from FY 2020, FY 2021 & FY 2022.

FY24 PBUD – Omaha Specific

PROJECT	BUSINESS LINE	TRUST FUND	INVESTIGATIONS	CONSTRUCTION /HMTF/ IWTF	OPERATION & MAINTENANCE / HMTF		
					OPERATION	MAINTENANCE	TOTAL
COLORADO							
BEAR CREEK LAKE, CO	E,F,R				\$ 607,000	\$ 956,000	\$ 1,563,000
CHATFIELD LAKE, CO	E,F,R				\$ 1,687,000	\$ 830,000	\$ 2,517,000
CHERRY CREEK LAKE, CO	E,F,R				\$ 1,222,000	\$ 61,000	\$ 1,283,000
IOWA							
MISSOURI RIVER FISH AND WILDLIFE RECOVERY, IA, KS, MO, MT, NE, ND and SD	E,N				\$ 17,459,000		
MISSOURI RIVER, SIOUX CITY TO THE MOUTH, IA, KS, MO and NE	E,N				\$ 7,953,000	\$ 8,274,000	\$ 16,227,000
MONTANA							
FT PECK DAM AND LAKE, MT	E,F,H,N,R,W				\$ 5,903,000	\$ 4,468,000	\$ 10,371,000
NEBRASKA							
GAVINS POINT DAM, LEWIS AND CLARK LAKE, NE and SD	E,F,H,N,R,W				\$ 9,615,000	\$ 4,163,000	\$ 13,778,000
MISSOURI RIVER - KENSLERS BEND, NE TO SIOUX CITY, IA	F				\$ 90,000	\$ 40,000	\$ 130,000
PAPILLION CREEK AND TRIBUTARIES LAKES, NE	E,F,R				\$ 660,000	\$ 150,000	\$ 810,000
SALT CREEK AND TRIBUTARIES, NE	E,F,R				\$ 1,174,000	\$ 219,000	\$ 1,393,000
SOUTH DAKOTA							
BIG BEND DAM AND LAKE SHARPE, SD	E,H,R,W				\$ 8,894,000	\$ 2,020,000	\$ 10,914,000
COLD BROOK LAKE, SD	E,F,R				\$ 506,000	\$ 3,000	\$ 509,000
COTTONWOOD SPRINGS LAKE, SD	E,F,R				\$ 287,000	\$ 3,000	\$ 290,000
FORT RANDALL DAM, LAKE FRANCIS CASE, SD	E,F,H,N,R,W				\$ 9,703,000	\$ 2,552,000	\$ 12,255,000
LOWER BRULE ECOSYSTEM RESTORATION NORTHEAST ELEMENT 1, SD 2/	E,F			\$ 4,000,000			
OAHE DAM AND LAKE OAHE, SD	E,F,H,N,R,W				\$ 12,193,000	\$ 6,249,000	\$ 18,442,000
THUNDER BUTTE FLOOD RISK RESILIENCY, SD 2/	F		\$ 100,000				
NORTH DAKOTA							
BOWMAN HALEY LAKE, ND	E,F,R				\$ 352,000		\$ 352,000
GARRISON DAM, LAKE SAKAKAWEA, ND	E,F,H,N,R,W		\$ 3,000,000		\$ 14,889,000	\$ 4,921,000	\$ 19,810,000
HOMME LAKE, ND	E,F				\$ 330,000		\$ 330,000
PIPESTEM LAKE, ND	E,F,R				\$ 777,000		\$ 777,000

Department of the Army
Studies and Projects Funded to
Completion in FY2024

- ND : GARRISON DAM, LAKE SAKAKAWEA, ND (WCM) \$205,000
- NE: GAVINS POINT DAM, LEWIS AND CLARK LAKE, NE & SD (WCM) \$205,000
- SD: FORT RANDALL DAM, LAKE FRANCIS CASE, SD (WCM) \$40,000
- SD: OAHE DAM, LAKE OAHE, SD & ND (WCM) \$205,000
- No new starts in PBUD for GI or CG



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FY23/FY24 OPPORTUNITIES – CIVIL WORKS (GI & CAP)

Project Title	Project Location	Anticipated Advertisement	Anticipated NAICS	Estimated Dollar Value	Acquisition Plan (Set-Aside)
St. Vrain Creek Flood Risk Management	Longmont, CO	Q3 FY23	237990	\$5M - \$10M	SB
Southern Platte Valley Ecosystem Restoration	Denver, CO	Q4 FY24	TBD	\$5M - \$10M	SB
Popo Agie River Flood Risk Management	Lander, WY	Q4 FY24	TBD	\$5M - \$10M	SB
Ring Thunder Road Streambank Stabilization	Mellette County, SD	Q4 FY24	TBD	<\$5M	SB
Platte River Nonstructural Flood Risk Management	Fremont, NE	FY24/25	TBD	<\$5M	SB
Lower Brule North Ecosystem Restoration Project #1	Lower Brule, SD	FY24/FY25	TBD	\$10M - \$20M	SB
Lower Brule North Ecosystem Restoration Project #2	Lower Brule, SD	FY24/FY25	TBD	\$10M - \$20M	SB
Deadmans Run Flood Risk Management	Lincoln, NE	1Q FY25	TBD	\$5M - \$10M	SB
Willow Creek Flood Risk Management	Missouri Valley, IA	FY25	TBD	\$5M - \$10M	SB

Provided for Information only

Formal request for proposal and invitation for bids will be publicized on the beta.SAM.gov website

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FY23/FY24 OPPORTUNITIES – CIVIL WORKS (CG and O&M)

Project Title	Project Location	Anticipated Advertisement	Anticipated NAICS	Estimated Dollar Value	Acquisition Plan (Set-Aside)
Internal Erosion Mitigation	Ft Randall Dam, SD	Q3 23	TBD	\$5M - \$10M	TBD
MATOC for BSNP repairs.	Missouri River, Ponca NE to Rulo NE	Q3/Q4 23	TBD	\$5M - \$10M	SB
Spillway Approach Dredging	Garrison Dam, ND	Q4 23	237990	>\$10M	Full & Open
Powerhouse Restroom Rehabilitation	Ft Randall Dam, SD	Q1 24	TBD	<\$500k	SB
Powerhouse Elevator Replacement	Ft Randall Dam, SD	Q2 24	TBD	\$500K - \$1M	SB
Missouri River Levee R562 Repair	Peru, NE	Q2 24	237990	\$40M-\$50M	TBD

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FY23/FY24 OPPORTUNITIES – CIVIL WORKS (Hydropower)

Project Title	Project Location	Anticipated Advertisement	Anticipated NAICS	Estimated Dollar Value	Acquisition Plan (Set-Aside)
Zebra Mussel Mitigation System Install	Oahe Dam, SD	Q3 23	238290	\$1M - \$5M	SB
Depressing Air System Replacement	Big Bend Dam, SD	Q3 23	238290	\$500K - \$1M	SB
Powerhouse 1 Draft Tube Stop Log Replacement	Ft Peck, MT	Q3 23	332312	\$1M - \$5M	SB
Station Battery Replacement	Ft Peck, MT	Q3 23	238290	<\$500k	SB
Switchyard Disconnect Switch Replacement	Oahe Dam, SD	Q3 23	237130	\$5M - \$10M	Full & Open
Outdoor Station Service Transformer B Installation	Ft Peck, MT	Q3 23	237130	\$5M - \$10M	Full & Open
Intake Blower Replacement	Ft Randall Dam, SD	Q3 23	237110	\$1M - \$5M	SB
Fire and Security System Replacement	Ft Peck, MT	Q1 24	561621	\$1M - \$5M	TBD
Powerhouse 1 Cubicle Room Switchgear Upgrade	Ft Peck, MT	Q1 24	238210	\$1M - \$5M	Full & Open
Intake Gate Cylinder Replacement	Gavins Point Dam, NE	Q2 24	TBD	\$1M - \$5M	TBD

Provided for Information only
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2023 QUALITY INITIATIVES

CREATING A STRONGER **CULTURE OF QUALITY**

Pete Sturdivant
Chief of Engineering Division, Omaha District
U.S. Army Corps of Engineers
June 1, 2023

"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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A photograph of two construction workers on a building site. The worker in the foreground is wearing a white hard hat, safety glasses, and an orange safety vest over a dark polo shirt. He is pointing his right arm towards the left. The worker in the background is wearing a white hard hat, safety glasses, and an orange safety vest over a light blue long-sleeved shirt. They are standing in front of a multi-story building under construction with a grid of concrete columns and window openings. The sky is blue with some clouds.

QUALITY

is as important as
SCHEDULE and BUDGET

VISION FOR QUALITY MANAGE



MORE THAN A SOUNDBITE



“The bitterness of poor quality remains long after the sweetness of meeting cost and schedule is forgotten”

- Pete Perez



WE NEED TO ASK OURSELVES



- Is Quality held in the same regard within your organization as total project volume? Are we messaging how much work we do or how well we do it?
- How are you measuring quality? What metrics are you using?
- How are you ensuring consistent delivery of quality products and services?



PROBLEM STATEMENTS



- A/E designs have lacked rigorous USACE Quality Assurance reviews
- D/B designs have lacked rigorous USACE Quality Assurance reviews
- In-house designs have lacked rigorous Quality Control and Quality Assurance reviews
- Construction work has lacked rigorous project-specific Quality Assurance Surveillance Plans
- **Bottom Line:** What should we do collectively as design and construction professionals to improve the Quality of our products and services?



E&C STRATEGY MAP



Meeting the Nation's Engineering Needs and Preparing for the Uncertainty of the Future

Vision: Engineering solutions for our Nation's toughest challenges

Mission: E&C provides vital engineering services and water resource stewardship, in peace and war, to strengthen our Nation's security, energize the economy, and reduce disaster

Enterprise Operating Challenges

- Adequate Training
- Aversion to Risk
- Climate Change/Resiliency
- Competency Gaps
- Competing Priorities
- Culture of Quality
- Cybersecurity
- Imbalanced Workforce
- Operational Tempo
- (Post) Pandemic-Telework Posture

(1) Deliver Quality Consistently

Purpose: Safe program/project execution with focus on quality, cost, and schedule

- Emphasize "Back to Basics"
- Reinforce Systems of Redundancy
- Embed Quality throughout life-cycle
- Establish/Track Quality Metrics
- KM/Lessons Learned
- Optimize Standardization (design, process)
- Embrace Risk Informed Decision Making

(2) Develop and Enable Workforce

Purpose: Acquire, develop and enable our workforce through effective tools and resources

- Basic Assessment of Technical Skills
- Staff aggressively (WF/WL, regional interdependency, strategic hiring)
- Train for the future (Certify Professionals)
- Establish exchange program
- Industry cross-pollination (embedded)
- Recognize excellence
- Utilize CEI-CF (formerly CP-18)
- Provide state of the art tools/IT

(3) Increase Collaboration and Leverage Ingenuity

Purpose: Getting the right information to the right people at the right time

- Engineering Without Borders (Regional Business Centers)
- Leverage enterprise, CoPs, and CXs
- Encourage creativity and innovation
- Technical Innovation Forum
- Guidance and Policy
- Formalize feedback loops
- Embrace acquisition alternatives

Desired Outcomes

Increased Accountability
Delivery of quality projects that effectively meet requirements

Versatile, agile, technically-exceptional workforce

Mission-ready organization with enterprise capacity to take on challenges

Culture of dedicated public service

Manage risk to stakeholders and federal government

Preferred partner of industry and stakeholders

Desired End State

Affirmation as *world-class* Engineering and Construction organization that delivers *world-class* projects

Aligned with CG's Command Philosophy



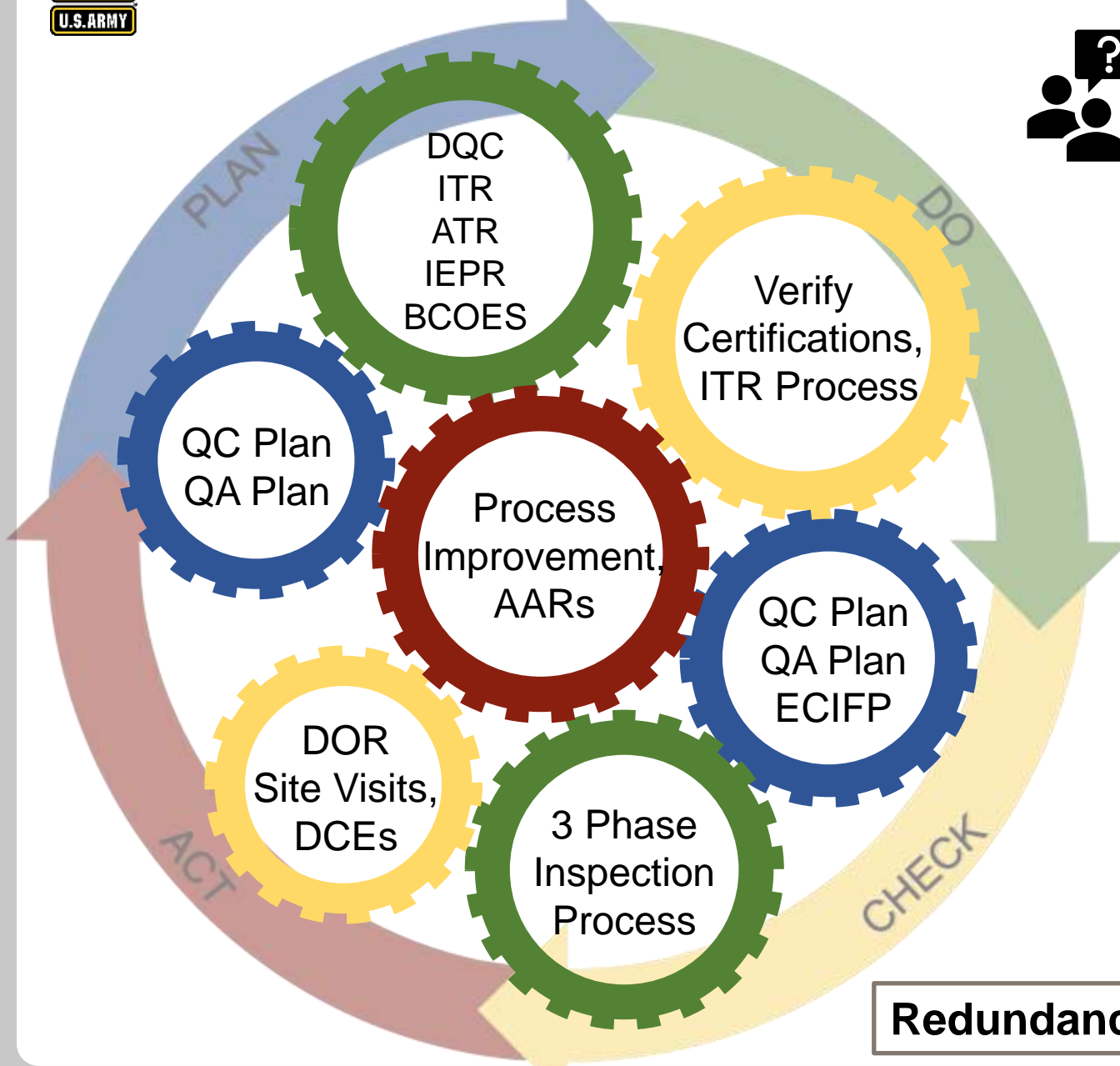
BUILDING ON QUALITY PRINCIPLES



Questions Leaders Must Ask

- ✓ Do all schedules account for quality processes?
- ✓ Does the team have the necessary expertise?
- ✓ Has the team invested time in up-front planning?
- ✓ Does the team have the resources (budget, personnel) to adequately mitigate risk?
- ✓ Is the project delivery team communicating with stakeholders, centers of expertise, and the chain of command?
- ✓ If realized, what are the consequences of the quality risk you are underwriting?

Redundancy in USACE quality processes reduces risk.





OMAHA DISTRICT INITIATIVES



- Build the Bench - aggressive recruitment and retention (Omaha 2025)
 - Special Salary Rate to help us bring talent into USACE
 - Get Engineering staff into field offices across District
- Back to Basics – improving review of In-House and A/E designs (DBB and DB)
 - Is the design meeting Code and RFP (customer) requirements?
 - Tech Lead Training for staff
- Utilize matrixed design teams of USACE and AE professionals
- Identify and mitigate Risk through project life cycle and beyond
- Utilization of ECI/IDaC, Integrated Design/Construction tools

I want to hear from you – best practices, processes and initiatives!



FEEDBACK PLEASE!



- Share your best practices with me – Peter.I.Sturdivant@usace.army.mil
- Assistance organizing a “Quality Summit” in Summer of 2023

QUESTIONS?

THANK YOU!