Committee Report on USACE/ACEC KS/ACEC MO Liaison Meeting

NOVEMBER 21, 2019 MEETING MINUTES

The meeting was started by acknowledging the passing of Mr. Rick Worrell. Kind words were said by many in attendance.

USACE Program Update:
- Very robust program for the next 3 years. $1B in contracts awarded in 2018 and 2019. Somewhat unsure of FY23 at this time.
- Discussion on KC Levees, Fort Leonardwood Hospital, NG2 Facility
- 5 years of MILCON projects
- FY21 - $371MM in levee and lake rehab (typically just $75MM)
- 30 to 60 levee rehab projects planned – money is coming. Levees will be repaired to preflood condition. Most Missouri levees are agricultural only.
- Several barracks renovation projects
- FY22 – spike in funding is due to the LCAAP Next Generation Squad Weapons Ammunition facility. Very aggressive schedule; very large and complicated program. Important decisions: (1) round size 6.5 MM vs 6.8MM and (2) round casing plastic vs metal. Design charrette recently ended.
- B21 Beddown Facility – USACE is ready to go but waiting on funding from the customer. Three firms to bid; $220M project; MATOC contract
- NG2 awarded 3/2019; ground breaking planned 11/26 (week of Thanksgiving)
- Fort Leonardwood Hospital – groundbreaking 5/2019. JE Dunn and RLF Architects.
- St. Louis John Cochran Hospital. Project includes multiple structures; i.e. bed tower, warehouse, water tower, substance abuse clinic, central utility plant
- HTRW work is steady/consistent. $130MM funding is typical unless “plus up” funds come available

USACE Manpower: 220 Full Time Equivalents currently
- 190 FTE’s 2 or 3 years ago
- 230 FTE’s planned (top out)
Losing senior level staff to retirement and private industry
Inherent government-only positions are being filled; i.e. these positions are not suited for the A/E community

Flood Update Presentation (see attached): Gavins Point – all flood storage to be evacuated by November. Kansas Reservoirs – evacuate all floor storage by Christmas.

Kansas and Missouri Legislative Updates.

Next Meeting: Either March 6 or March 13, 2020 at USACE.
Date: 21 November 2019
Time: 1000 to 1300 hrs
Location: HDR, Inc., 10450 Holmes Road, Suite 600, Kansas City, MO 64131

Parking & Instructions: Visitor parking available on south side of building. Enter lobby and use the white phone to contact receptionist and she’ll escort guests to the 5th floor.

AGENDA

- BRAC Update.
- USACE KC Mega Project Spotlight (USACE to choose 1 of the 5 to overview and provide lessons learned).
  - Missouri River Flooding – Reservoir and flooding update, impacts to USACE and projects including PL-84-99, updates on local, state or federal recovery.
  - Updates and timing of MILCON and B-21 solicitations. What will KC District use the B-21 contract for?
  - Experience/lessons learned on Argentine pump stations design-build procurement, and future use of design-build for civil works infrastructure.
  - Status of lower Missouri River hydraulic studies (PAS, GI, etc.), in-house activities and potential for A-E support.
- Other Items
- Set Next Meeting Date & Location - TBD

PRIOR HOSTS

| Nov 2019: HDR | July 2018: KC COE | June 2017: Affinis |
| April 2019: WSP | April 2018: HNTB | Mar 2017: Hg Consult |

KC Corps: Michael Coates  
John Holm  
Tim Kurgan  
Jim Turner

ACEC/MO: Jess Commerford  
John Denlinger  
John Frerking  
Dave Kocour  
Tom Poer  
Eric Stump  
Steve Wells, ACEC/MO Chairman  
Bruce Wylie, President

ACEC/KS: Eric Cenovich  
Les Hamilton  
Brent Johnson  
Matt McQuality, Co-Chair
“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.”
AGENDA

• Kansas City District Missions
• Program Trends
• Civil Works Priorities
• Military Program Priorities
• Environmental Program Priorities
• Questions / Discussion
NWK CW Program Obligation Trend

FY13 FY14 FY15 FY16 FY17 FY18 FY19 FY20 FY21

FCCE $ - $ - $ - $ - $ 5.00 $ 7.39 $ 0.59 $ 1.00 $ 1.00
FCCE SUPP $ - $ - $ - $ - $ 1.00 $ 0.50 $ - $ 30.9 $ 30.5 $ -
Regulatory $ 3.81 $ 3.90 $ 3.90 $ 3.90 $ 3.70 $ 4.06 $ 4.07 $ 3.90 $ 4.00
GI $ 2.09 $ 1.23 $ 1.56 $ 1.70 $ 5.26 $ 7.06 $ 7.78 $ 2.08 $ 1.30
CAP $ 0.90 $ 0.37 $ 4.12 $ 0.52 $ 2.09 $ 1.83 $ 3.68 $ 4.80 $ 4.80
CG $ 44.33 $ 49.01 $ 18.71 $ 29.26 $ 88.58 $ 14.48 $ 26.15 $ 25.50 $ 2.28
Supplemental $ - $ - $ - $ - $ - $ - $ 4.00 $ 51.00 $ 30.73 $ 371.00
O&M $ 51.40 $ 62.10 $ 51.00 $ 58.60 $ 68.80 $ 85.32 $ 70.80 $ 64.00 $ 68.00

CW TOTALS $ 102.53 $ 116.61 $ 79.29 $ 94.98 $ 173.93 $ 124.14 $ 195.00 $ 162.50 $ 452.38

Actual Actual Actual Actual Actual Actual Actual Projected Projected
KANSAS CITY'S LEVEES

Argentine – Pump Station Replacements
- Value: $25-40M
- Acquisition Strategy: Design/Build
- Anticipated Solicitation: FY19Q3
- Anticipated Award: FY19Q4

Armourdale – Pump Station Repairs (SB)
- Value: $5-10M
- Acquisition Strategy: Design/Bid/Build
- Anticipated Solicitation: FY20Q3
- Anticipated Award: FY20Q4

Levee/Floodwall Raise – All Projects
- Value: $250M
- Acquisition Strategy: Design/Bid/Build
- Anticipated Solicitation: FY21Q1
- Anticipated Award: FY21Q2

CID – Pump Station Repairs (SB)
- Value: $5-10M
- Acquisition Strategy: Design/Bid/Build
- Anticipated Solicitation: FY20Q3
- Anticipated Award: FY20Q4

SB – Anticipated to be solicited to small businesses.
GENERAL CIVIL WORKS

Levee Rehab (30 to 60 contracts) (SB)
- Values: $100k-5M ea.
- Acquisition Strategy: Design/Bid/Build
- Anticipated Solicitations: FY20Q1-FY21
- Anticipated CONSTRUCTION Awards: FY20-FY21

Long Branch Admin Bldg Construction (SB)
- Value: $1M
- Acquisition Strategy: Design/Bid/Build
- Anticipated Solicitation: FY20Q2
- Anticipated CONSTRUCTION Award: FY20Q3

Longview Embankment Slide Repair (SB)
- Value: $1M to $2M
- Acquisition Strategy: Design/Bid/Build
- Anticipated Solicitation: FY20Q2
- Anticipated CONSTRUCTION Award: FY20Q3

Manhattan Levee Raise Construction
- Value: $10M to $20M
- Acquisition Strategy: Design/Bid/Build
- Anticipated Solicitation: FY21Q1
- Anticipated CONSTRUCTION Award: FY21Q2

St. Joe Levee Raise North of 36 Hwy Construction
- Value: $10M - $15M
- Acquisition Strategy: Design/Bid/Build
- Anticipated Solicitation: FY21Q1
- Anticipated CONSTRUCTION Award: FY21Q2

Longview Hydraulic Cylinder (SB)
- Value: <$500k
- Acquisition Strategy: Design/Bid/Build
- Anticipated Solicitation: FY20Q2
- Anticipated CONSTRUCTION Award: FY20Q3

Smithville Stilling Basin (SB)
- Value: $500k - $1M
- Acquisition Strategy: Design/Bid/Build
- Anticipated Solicitation: FY20Q4
- Anticipated CONSTRUCTION Award: FY20Q4

Truman Spall Repair (SB)
- Value: $500k - $1M
- Acquisition Strategy: Design/Bid/Build
- Anticipated Solicitation: FY20Q4
- Anticipated CONSTRUCTION Award: FY20Q4

SB – Anticipated to be solicited to small businesses.
**CIVIL CONTRACT STATUS AND EMERG. SUPPLEMENTAL**

### Current AE IDIQ’s

- **Ten Planning and Design Services contracts**
  - Awarded – May 2019 ($90M - UR)
    - HNTB, HDR, CDM Smith, Stantec, Mead and Hunt-Olsson JV
  - Expires – Base: May 2024; Option May 2026
  - Awarded – May 2019 ($36M - SB)
    - DR Reed and Associates (DRRA), Affinis, Prairie-Hanson JV, WRS-IL&C JV, GEO-Stanley JV
  - Expires – Base: May 2026; Option May 2026

- **One Mapping and Surveying contract**
  - Awarded – Aug 2019 ($5Mil) Stockwell Eng
  - Expires – Aug 2024

- **One Geotech Lab contract**
  - Awarded – Jul 2019 ($3Mil) Terracon
  - Expires – Jul 2024

- **One RMC AE Support (Guidance updates)**
  - Expires Nov 2023 ($6Mil) URS
  - 3% utilized, ~$5.8M capacity remaining

### MATOC’s

- **Four Missouri River BSNP contracts**
  - Four base MATOCs awarded March 2018 – one base year with 4 option years

- **Three Road Repair contracts**
  - Awarded 25-Sep ($1.9mil)
    - Harbour Const, Briggs Brothers, ESI
  - Expires – Base: Sep 2020; Option May 2022

### Emergency Supplemental

**Tentative FY20 and FY21**

- $20mil for BSNP and FWL repairs in Missouri River
- $10mil for Lake Projects Repairs to: Rip Rap, Channels, Berm/Levee, Gates, Roads.
- $8mil for Lake Project Recreational Repairs: Tree removal, Public area repairs, Debris removal, Roads, Seeding, Earthwork.
### NWK Military Program Trend Assessment

#### Updated: 29 October 2019

<table>
<thead>
<tr>
<th></th>
<th>FY16</th>
<th>FY17</th>
<th>FY18</th>
<th>FY19</th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
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<td><strong>Other</strong></td>
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<td><strong>Reachback Design Support</strong></td>
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<td><strong>TOTALS</strong></td>
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**NOTES:** Totals based on Construction, Design or both
- ARMY (incl. BRAC) MILCON Construction
- Air Force MILCON Construction
- OMA/OMAF Construction
- DODM Construction
- NGA Design and Construction
- VA Design and Construction
- LCAAP Design and Construction
- Other * AFCS, NORTHCOM, HNC, POF AE TO (NORTHCOM Construction and others Design only)
- Reachback Design Support Design (TAM, POJ)

US Army Corps of Engineers.
MILITARY PROGRAMS PRIORITIES FY20

- AF & Army MILCON Support
- Support to the Next NGA West (N2W) Program
- Newly Planned Contract Tools
- Support to the Ft. Leonard Wood Hospital Program
- Lake City Army Ammunition Plant (LCAAP) – Next Gen Ammo – AE Action
- Lake City Army Ammunition Plant (LCAAP) – Support the Water Treatment Plant, Building 3 Roof Replacement and Demolition Projects
- DVA St Louis John Cochran Medical Center – Project Book & AE Action
- Army Facilities Components System Support
- Support to the Kansas Air National Guard, Missouri Air National Guard and the 88th Regional Support Command
- Reachback Support (Design) to various Overseas Organizations
AF & ARMY MILCON PROGRAM

Small NWK MILCON program for FY20:

- Ft Riley – FY19 UMMCA Rail Head Improvements $1-5M
  • SB set-aside, Awarded 7 Oct 19

- Ft Leonard Wood – FY20 ERCIP Install Cogen Central Plant DB $1-5M
  • Unrestricted, Advertise 1\textsuperscript{st} quarter FY20

- Whiteman AFB – FY20 Consolidated Vehicle Maintenance Facility DBB $20-$30M
  • Acquisition Strategy under review, Advertise 1\textsuperscript{st} Quarter FY21

ERCIP = Energy Resilience and Conservation Investment Program
SRM/Installation Support Program

AF and ARMY SRM has a forecasted increase for FY20 as compared to last few years. Forecasting ~60 actions, value >$230M

Contract Tools: MATOCs, SATOCs, POCAs, AE’s, JOCs

Mission Focus:
- Historic Building Renovation
- Building Renovation/Repurposing
- Housing Repairs/Maintenance
- Repaving projects
- General infrastructure
# MILITARY IDIQ CONTRACT STATUS

## Construction

<table>
<thead>
<tr>
<th>Small Business MATOC ($95M)</th>
<th>FY20 IDIQ Forecast</th>
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<tbody>
<tr>
<td>• Awarded January 2019</td>
<td>• Ft Leonard Wood POCA ~$15M, Award Jan 2020</td>
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<tr>
<td></td>
<td>• Ft Leonard Wood SATOC ~$49M Advertise 2nd QTR FY20</td>
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<td></td>
<td>• Ft Riley SATOC ~ $30M Advertise 2nd QTR FY20</td>
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<td></td>
<td>• Ft Riley Roofing Requirements Contract ~ $15M Advertise 2nd QTR FY20</td>
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<td>• Ft Leavenworth SATOC ~ $9M Advertise 2nd QTR FY20</td>
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## AE and Other Services

<table>
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<tr>
<th>AFCEC Fire Protection ($9.5M), FY19Q2</th>
<th>Additional FY20 IDIQ Forecast</th>
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<tbody>
<tr>
<td>• Awarded March 2019</td>
<td>• AFCS AE SATOC 2 @ ~$20M and $10M Awarded September 20</td>
</tr>
<tr>
<td>LCAAP SATOC ($48M), FY19Q2</td>
<td>• DVA AE SATOC ~$80M Award 1st quarter FY20</td>
</tr>
<tr>
<td>• Awarded April 2019</td>
<td>• Unrestricted MIL AE SATOC ~$150M Advertise JAN 20</td>
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<tr>
<td></td>
<td>• AFCEC B-21 Beddown ~$220M Advertise FEB 20</td>
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</tbody>
</table>
NEXT NGA WEST (N2W) PROGRAM

Program Scope: Total Program Amount ~ $1B
– NGA Replacement Facility in North St Louis
– Primary Facility 712,800 sf Secure Analytics

Design-Build Contractor:
McCarthy - HITT

Small Business Acquisition (Design-Bid-Build)  Advertise
– Access Control Points (ACP), 2 each  2Q FY22
– Remote Inspection Facility (RIF)  2Q FY22
– Visitor Control Center (VCC) Surface Parking  1Q FY23
– Landscaping  1Q FY23
Ft. Leonard Wood Hospital Program

PA amount is $381.3M

Six contracts anticipated:


**Contract Two – Temporary Helipad. AWARDED:** Jan 3 2019 to Ogloonik Diversified Services. Substantial Completion: 10 Jan 2020. Contract Type: SATOC Task Order. Award amount: $925K.


**Contract Five – Site Improvements.** Projected Award 2nd Qtr FY27. Substantial Completion: 3rd Qtr FY28. Contract Type: Small Business Set-Aside. Duration: 480 Cal Days. Construct site work outside the project demarcation lines. Includes drives, parking, sidewalks, lighting, surveillance cameras, electric vehicle charging stations, and landscaping.
Lake City AAP – Next Generation Ammo

Program Scope: Program Amount $250M+
- Provide facility for new ammo production line
- Primary facility: est: 160,000+ SF (reprogramming in progress for larger facility)
- Excludes manufacturing production equipment

Design: AE-Burns & McDonnell, Design (schedule impacted by Continuing Resolution)

Construction Acquisition: Design-Bid-Build
- Stage 1 Advertisement: FY20 Q3
- Stage 2 Advertisement: FY21 Q4
- Award Construction Contract: FY22 Q1
- Construction Complete: FY25 Q4

Small Business Acquisition:
- Site Preparation - Advertise: FY21 Q1
- Site Preparation - Award: FY21 Q3
DVA – St Louis John Cochran Division

Program Scope: Program Amount $600M+
- Relocate in-patient functions from existing building into a new bed tower.
- Construction of five (5+) structures to include: Bed Tower, OIT/FES Warehouse, Central Energy Plant, Water Tower, Substance Abuse Clinic and Parking Garage.
- Demolition of several deficient and underutilized buildings.

Schedule:
- DVA Programing Complete (Project Book) FY20Q1
- USACE Award AE Design Contract FY20Q1
- 35% Design Complete FY21Q2

Construction Phasing & Small Business Acquisition:
- Undetermined at this time
Environmental (HTRW) Program FY20

- Kansas City District supports regional work (Missouri and Kansas) projects, as well as a significant amount of environmental projects on the East Coast.

- The District has a long, established working relationship with EPA Region 2 (New York and New Jersey) and works closely with New York and Philadelphia Districts.

- Kansas City District also has project management responsibilities for the Formerly Used Defense Sites Program within Seattle District boundaries, so we support projects in Washington State, Oregon, and Idaho.

- FY20 projections for workload are stable and typically increase from initial projections as customers get clearer information on budgets.

- Almost all of the Program is executed using pre-placed contracts, so opportunities for prime contractor work is limited to firms in the selected pools. Numerous subcontracting opportunities are available with our primes to support projects.
Environmental (HTRW) Program FY20

- Kansas City District Environmental Program has initiated a periodic conference call with firms interested in status of task orders, planned acquisitions, etc.

- Most recent call was 24 October 2019. Additional periodic calls will be scheduled to provide updates as information changes.

- Please reach out to Environmental Programs (Fraley) or Environmental Engineering (Leibbert) Branches to be added to the email distribution list for future calls.
  - jill.k.fraley@usace.army.mil or jason.m.leibbert@usace.army.mil
Environmental Program Priorities FY20

In-Progress ID/IQ Acquisitions

- Non-MEGA site specific SATOC for the Welsbach Superfund Site (Camden, New Jersey)
  - $110M value
  - Target of 1 firm
  - Small Business (NAICS 562910)
  - Currently in Source Selection
  - Anticipated Award: 2nd Quarter FY20

- NWD MEGA Unrestricted PRAC MATOC (NAICS 562910)
  - Planned capacity: $185M
  - Target of up to 10 firms
  - Currently in Source Selection
  - Anticipated Award: 3rd Quarter FY20
Environmental Program Priorities FY20

Planned Acquisitions

– Non-MEGA Regional A-E Services Unrestricted MATOC (NAICS 541330)
  • Initial planning stages are underway for a new regional (NWD) unrestricted A-E Services MATOC.
  • $225M is the planned contract size will support the mission of NWD and EPA Region 2.
  • Anticipated Synopsis: 2nd Quarter FY20

– Non-MEGA 8(a) Competitive Environmental Consulting Services (NAICS 541620)
  • Planned capacity: $9.9M
  • Focus on Five Year Review Experience and Installation Environmental Support
  • Target of 3 firms
  • Anticipated Solicitation: TBD FY20*

– Radioactive Waste Disposal Blanket Purchase Agreement
  • Planned capacity of $35M
  • Anticipated Solicitation: 3rd Quarter FY20*

*Note: Formal work has not started on these actions, so schedules are subject to change.
Environmental Program Priorities FY20

Planned Acquisitions

– NWD MEGA Small Business - PRAC MATOC (NAICS 562910)
  • Planned capacity: $176.25M
  • Target of 10 firms
  • Anticipated Solicitation: TBD FY20*

– NWD MEGA SDVOSB - PRAC MATOC (NAICS 562910)
  • Planned capacity of $22.5M
  • Solicitation—TBD FY20*

*Note: Formal work has not started on these actions, so schedules are subject to change.
COL William Hannan, Jr.
District Engineer
816-389-3202

Bryan Smith
Deputy for Project Management
816-389-3210

Arthur Saulsberry
Deputy for Small Business
816-389-3927
Melissa Corkill  
Chief Civil Works Branch  
816-389-3697

Jill Fraley  
Chief Environmental Branch  
816-389-3798

Jeff Salter  
Chief Military Branch  
816-389-2209

Jennifer Switzer  
Chief Planning Branch  
816-389-3062

NWK Contracting Branch Contact:  816-389-381  
KANSAS CITY DISTRICT CONTRACTING DIVISION

Gwendolyn Miller
Chief
816-389-3665

Adam Hall
Deputy/BOB Chief
816-389-2318

Vacant
Chief HTRW Contracts
816-389-3839

Brad Wright
Chief Military Contracts
816-389-3936

Matt Wilson
Chief Civil Contracts
816-389-3426
1. NORTHWESTERN DIVISION CORPS OF ENGINEERS
   WWW.NWD.USACE.ARMY.MIL
2. KANSAS CITY DISTRICT, CORPS OF ENGINEERS
   WWW.NWK.USACE.ARMY.MIL
3. IS YOUR BUSINESS “SMALL?”
   WWW.NAICS.COM
4. MARKET RESEARCH TO LOCATE OPPORTUNITIES:
   WWW.FEDBIZOPPS.GOV
5. PROCUREMENT TECHNICAL ASSISTANCE CENTERS:
   HTTP://WWW.DLA.MIL/DB/PROCUREM.HTM
6. MARKET RESEARCH AND REGISTRATION:
   WWW.CCR.GOV
7. OPPORTUNITIES AS A SUBCONTRACTOR:
   HTTP://WEB.SBA.GOV/SUBNET/
8. ARMY RESOURCES:
   WWW.SELLINGTOARMY.INFO
9. 52.204-11 – REPORTING REQUIREMENTS ARRA:
   HTTP://FARSITE.HILL.AF.MIL/VFFARA.HTM
10. PROCUREMENT TECHNICAL ASSISTANCE CENTERS:
    WWW.DLA.MIL/DB/PROCUREM.HTM
11. A GUIDE TO WINNING FEDERAL CONTRACTS:
    WWW.SBA.GOV/TRAINING
12. OPENING DOORS TO FEDERAL CONTRACTING OPPORTUNITIES:
    WWW.SBA.GOV/OPENINGDOORS
13. ASSISTANCE IS OBTAINING FEDERAL CONTRACTS:
    HTTP://WWW.OSDBU.GOV.OFFICES.HTML
ACRONYMS

GI General Investigations
CG Construction General
CAP Continuing Authorities Program
O&M Operations and Maintenance
FCCE Flood Control and Coastal Emergencies
MRLS Missouri River Levee System
MRRP Missouri River Recovery Program
RMC Risk Management Center
GUMP Guidance Update Management Program
BSNP Bank Stabilization Navigation Program
DODM Department of Defense Medical
NGA National Geospatial-Intelligence Agency
N2W Next NGA West
OMA Operations and Maintenance Army
OMAF Operations and Maintenance Air Force
MILCON Military Construction
FCA Facility Condition Assessment
SRM Sustainment Restoration and Maintenance
PA Program Amount
WAFB Whiteman Air Force Base
LWD Fort Leonard Wood
MAFB McConnell Air Force Base
KANG Kansas Army National Guard
SBSA Small Business Set-Aside
DBB Design Bid Build
UMMCA Unspecified Minor Military Construction
AE Architect Engineer
AFCEC Air Force Civil Engineer Center
NAICS North American Industry Classification System
SDVOSB Service Disabled Veteran Owned Small Business

ECIP Energy Conservation Investment program
ERCIP Energy Resilience and Conservation Investment Program
HTRW Hazardous Toxic Radiologic Waste
IIS Interagency and International Services
EQ Environmental Quality
FUDS Formerly Used Defense Sites
IRP Installation Restoration Program
BRAC Base Realignment and Closure
FUSRAP Formerly Used Sites Remedial Action Program
EPA Environmental Protection Agency
PRAC Preplace Remedial Action Contract
MEGA Multiple Environmental Government Acquisition
IDIQ Indefinite Delivery Indefinite Quantity
MATOC Multiple Award Task Order Contract
SARSC Single Award Task Order Contract
POCA Performance Oriented Construction Activities Contract
JOC Job Order Contract
AFCS Air Force Civilian Services
IPO Integrated Project Office
ACP Access Control Point
RIF Remote Inspection Facility
VCC Visitor Control Center
ACEC

2019 MISSOURI RIVER FLOOD EVENT

JOHN D. HOLM
CHIEF, ENGINEERING DIVISION
KANSAS CITY DISTRICT

21 NOVEMBER 2019
Eight Authorized Purposes

- Flood Control – Requires Empty Space
- Navigation
- Hydropower
- Water Supply
- Water Quality Control
- Recreation
- Irrigation
- Fish and Wildlife (including T&E*)

Purpose ≠ Priority

Runoff Driven System – The runoff drives system releases, and is managed on an annual basis. We do not carryover water in the flood control zones

Basically operate for flood control or meeting downstream targets (nav)

* - As Hydrologic Conditions Allow
ANNUAL RUNOFF ABOVE SIOUX CITY, IA

2019 Runoff Forecast … 61.0 MAF*
Average Runoff … 25.3 MAF

*October 1 forecast (ties record set in 2011)
Combined Flood Control Storage of:
Fort Peck, Garrison, Oahe, Big Bend,
Ft. Randall
5 Gallon Bucket = 16.2 MAF

Flood Control Storage of Gavins Point:
2/3 Cup Measuring Cup = 0.13 MAF
Our reservoirs have 11.0 MAF of flood control storage spread across 18 lakes in Kansas, Iowa, Missouri, & Nebraska.

On June 2, 2019, 9.0 MAF of the 11.0 MAF of flood control storage, or 82% was occupied.

All of our reservoirs have an authorized purpose for flood control.

MAF = million acre feet

All values in acre feet

CREATED 18 SEPTEMBER 2019
Federal Levees – 58 systems
Non-Federal Levees - 83 systems, 94 segments
Other – Not Shown
MARCH FLOOD EVENT - SNOWPACK

- Mountain snowpack was about average in 2019
- One difference between 2019 and 2011 … mountain snowpack was MUCH ABOVE average in 2011.

- Plains snowpack was present in the entire upper basin, Nebraska and Iowa
- Heavy to very heavy plains snowpack in portions of the central and eastern Dakotas
- Deeply frozen soils resulted in little to no infiltration during March snowmelt/rainfall events
Missouri River Basin Tributary Runoff March 13-15, 2019

BOMB CYCLONE

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Map showing Missouri River Basin Tributary Runoff March 13-15, 2019 with various regions and flow indicators.
Peak Streamflows on the Mainstem of the Missouri River and its Tributaries
Floods of 13-17 March 2019

* Record Peak Streamflow
+ Record Peak Stage

<table>
<thead>
<tr>
<th>Location</th>
<th>Peak Flow, cfs</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gavins Point Inflow (Niobrara)*+</td>
<td>182,000</td>
<td>15-Mar</td>
</tr>
<tr>
<td>Gavins Point Outflow</td>
<td>100,000</td>
<td>15-Mar</td>
</tr>
<tr>
<td>James R.</td>
<td>23,400</td>
<td>15-Mar</td>
</tr>
<tr>
<td>Vermillion R.</td>
<td>16,800</td>
<td>17-Mar</td>
</tr>
<tr>
<td>Big Sioux R.</td>
<td>68,900</td>
<td>16-Mar</td>
</tr>
<tr>
<td>Missouri R. - Sioux City, IA</td>
<td>166,000</td>
<td>17-Mar</td>
</tr>
<tr>
<td>Floyd R.</td>
<td>33,500</td>
<td>15-Mar</td>
</tr>
<tr>
<td>Maple R.*</td>
<td>26,800</td>
<td>15-Mar</td>
</tr>
<tr>
<td>Little Sioux R. *+</td>
<td>58,400</td>
<td>15-Mar</td>
</tr>
<tr>
<td>Soldier R.</td>
<td>27,500</td>
<td>14-Mar</td>
</tr>
<tr>
<td>Boyer R. *+</td>
<td>35,400</td>
<td>14-Mar</td>
</tr>
<tr>
<td>Missouri R. – Omaha, NE</td>
<td>189,000</td>
<td>17-Mar</td>
</tr>
<tr>
<td>Elkhorn R. *+</td>
<td>101,000</td>
<td>16-Mar</td>
</tr>
<tr>
<td>Platte R. *+</td>
<td>193,000</td>
<td>16-Mar</td>
</tr>
<tr>
<td>Missouri R. – Nebraska City, NE *+</td>
<td>345,000</td>
<td>16-Mar</td>
</tr>
<tr>
<td>Nishnabotna R.</td>
<td>38,500</td>
<td>16-Mar</td>
</tr>
<tr>
<td>Nodaway R.</td>
<td>29,100</td>
<td>15-Mar</td>
</tr>
<tr>
<td>Little Nemaha R.</td>
<td>27,000</td>
<td>14-Mar</td>
</tr>
<tr>
<td>Big Nemaha R.</td>
<td>37,000</td>
<td>13-Mar</td>
</tr>
<tr>
<td>Missouri R. – Rulo, NE *+</td>
<td>338,000</td>
<td>20-Mar</td>
</tr>
<tr>
<td>Missouri R. – St. Joseph, MO*+</td>
<td>318,000</td>
<td>22-Mar</td>
</tr>
<tr>
<td>Kansas R.</td>
<td>26,000</td>
<td>14-Mar</td>
</tr>
<tr>
<td>Missouri R. – Kansas City, MO</td>
<td>294,000</td>
<td>24-Mar</td>
</tr>
<tr>
<td>Missouri R. – Waverly, MO*+</td>
<td>304,000</td>
<td>26-Mar</td>
</tr>
<tr>
<td>Grand R.</td>
<td>58,000</td>
<td>15-Mar</td>
</tr>
<tr>
<td>Missouri R. – Boonville, MO</td>
<td>295,000</td>
<td>31-Mar</td>
</tr>
<tr>
<td>Missouri R. – Hermann, MO</td>
<td>320,000</td>
<td>31-Mar</td>
</tr>
</tbody>
</table>
- 14 levee systems breached north of Kansas City on Missouri River.

- Estimated that 350 miles of levee systems impacted in some manner by flood waters.

- Over 4.8 million acres inundated throughout Missouri River basin, March 8-21.
- Overtopping and breaching of left bank levee systems resulted in overland flow above the Mill Creek private levee

- We believe the Mill Creek private levee subsequently overtopped and breached

- In addition, the Big Tarkio private levee breached – unknown if it overtopped first
MAY - JUNE FLOODING

- May rainfall in KS averaged 10.4”; largest monthly rainfall, (exceeded July 1993).
- Precipitation in WY, SD, NE, IA, MO, KS … all much above average and on VERY saturated soils.
PEAK RESERVOIR CONDITIONS

Percent of Flood Control Pool Occupied: 29 May 2019

29-May-19 Average Release (kcfs)

- Wilson
- Kanopolis
- Harlan County
- Milford
- Tuttle Creek
- Perry
- Clinton
- Smithville
- Rathbun
- Long Branch
- Blue Springs
- Longview
- Pomona
- Melvern
- Hillsdale
- Stockton
- Pomme De Terre
- Harry S Truman

* FC phases vary seasonally
** Maximum release for phase

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% 110%
0.015 1.239 0.186 0.025 0.020 0.005 0.021 0.008 0.013 0.019 0.0282 0.0265 0.015 0.020 0.024 0.551 0.050 19.097

Phase I FC Storage
Phase II FC Storage
Phase III FC Storage
Current Percent Flood Control Occupied
TUTTLE CREEK SURFACE AREA

Normal Pool - June 1, 2018

+60 ft - June 1, 2019

TUTTLE CREEK LAKE

Imagery: NASA Worldview
IMPACTS TO RESERVOIRS

Kansas City District

- On peak day, 9 MAF of 11 MAF of flood control storage was occupied

- Surcharge operations at Harry S Truman, Tuttle Creek, Perry and Long Branch

- Record pools at 9 reservoirs: Perry, Clinton, Truman, Pomona, Melvern, Hillsdale, Pomme de Terre, Harlan County and Long Branch
• 50 levee systems Overtopped, or Overtopped and Subsequently Breached, 23 May - 17 June 2019
• All on the Missouri and Grand River located downstream of Kansas City
• NWK estimates approx. 655 additional levee miles from Kansas City – St. Louis damaged in May 2019
Kansas City District

2 Federal Levees overtopped, 2 breaches
64 Non-Federal Levees overtopped, 43 breaches
Levee rehabilitation basic details

- Goal is to repair eligible “Active” projects damaged by flooding prior to the next flood season
- Assistance must be requested by levee sponsor and is limited to pre-disaster condition and level of protection
- Repairs must be economically justified and are prioritized based on consequences and severity of damage
- Active federal levee rehabilitation projects are repaired at 100% federal cost
- Active non-federal projects are cost-shared 80% federal, 20% non-federal
- Levee sponsors must provide land access easements, rights-of-way, relocations and borrow (earthen material to repair levee) at no cost to the federal government
**Levee rehabilitation status**

- Mainstem releases from Gavins to continue at 80,000 cfs through November – plan is to evacuate all flood storage before winter freeze
- NWK continues to make releases from the Kanas reservoirs with the goal to evacuate all flood storage over the next 6 weeks
- NWK has completed all but four of the PIRs (Project Investigation Report)
  - Challenged due to ongoing high water
- NWD is approving PIR’s
- Emergency repairs for Mill Creek and Big Tarkio awarded early August
- NWK has advertised four repair contracts
- As PIR’s are approved by NWD, NWK staff are developing contract documents for future advertisements
- All advertisements are dependent upon the sponsors providing land access easements, rights-of-way, relocations and borrow (earthen material to repair levee) at no cost to the federal government
QUESTIONS
Kansas Legislative Items

1) Senate and House are currently in recess, will reconvene January 13th and will be in session until May.

2) Tax collections are ahead of estimates. For September, tax collection $43.2 MM ahead of the estimate and $37 MM ahead for October.

3) Tax collection increases are due to the partial reversal of some of the previous tax cuts enacted during the tenure of former Governor Sam Brownback.

4) Revenue estimates for FY 2020 and 2021 increased by a combined $525MM (based on a report issue November 2019).

5) 2020 Election Year is big in Kansas. The following will be elected:
   - (1) U.S. Senator (seat of Pat Roberts)
   - (4) U.S. House of Representatives (all 4 districts)
   - (40) State Senators (i.e. the entire KS State Senate is up for election)
   - (125) State Representatives (i.e. the entire KS State House is up for election)
   - Multiple Judges

6) (2) KS Supreme Court Justices will be appointed.

7) ACEC is anticipating reintroduction of a software tracking bill. If you remember, this bill was introduced last year and advertised as a way to eliminate cost overruns by Government contractors. Last year’s bill required that any professional service with a contract of more than $100K was required to purchase this software and then install on every computer, laptop and cell phone. This software was designed to save screenshots every 7 seconds. Consultants would then be required to save this data for 7 years and turn it over to the State of Kansas upon request.

   Concerns included: (1) cost to purchase and install the software; (2) cost to manipulate and store the data; (3) professional liability insurance coverage; and (4) confidentiality. ACEC is expecting that this software will be reintroduced but some metric will be changed; e.g. restricted to IT companies or State contracts of $500K or more. If reintroduced, ACEC plans to fight vigorously regardless.

8) Increase in transportation funding progress, which includes reducing the amount of money swept from KDOT to complete the State’s TWorks program. A new 10-year transportation bill is under discussion/planned.

9) Continued efforts to solidify funding in the vertical/water/wastewater areas

10) ACEC KS is always sensitive to threats against Qualification Based Selection (QBS), but nothing is in play right now.