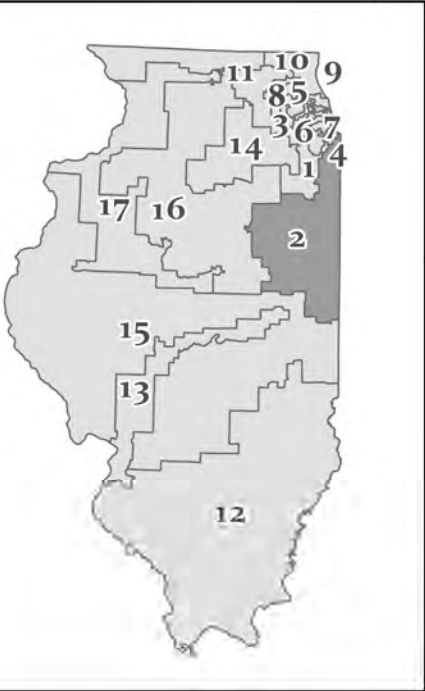
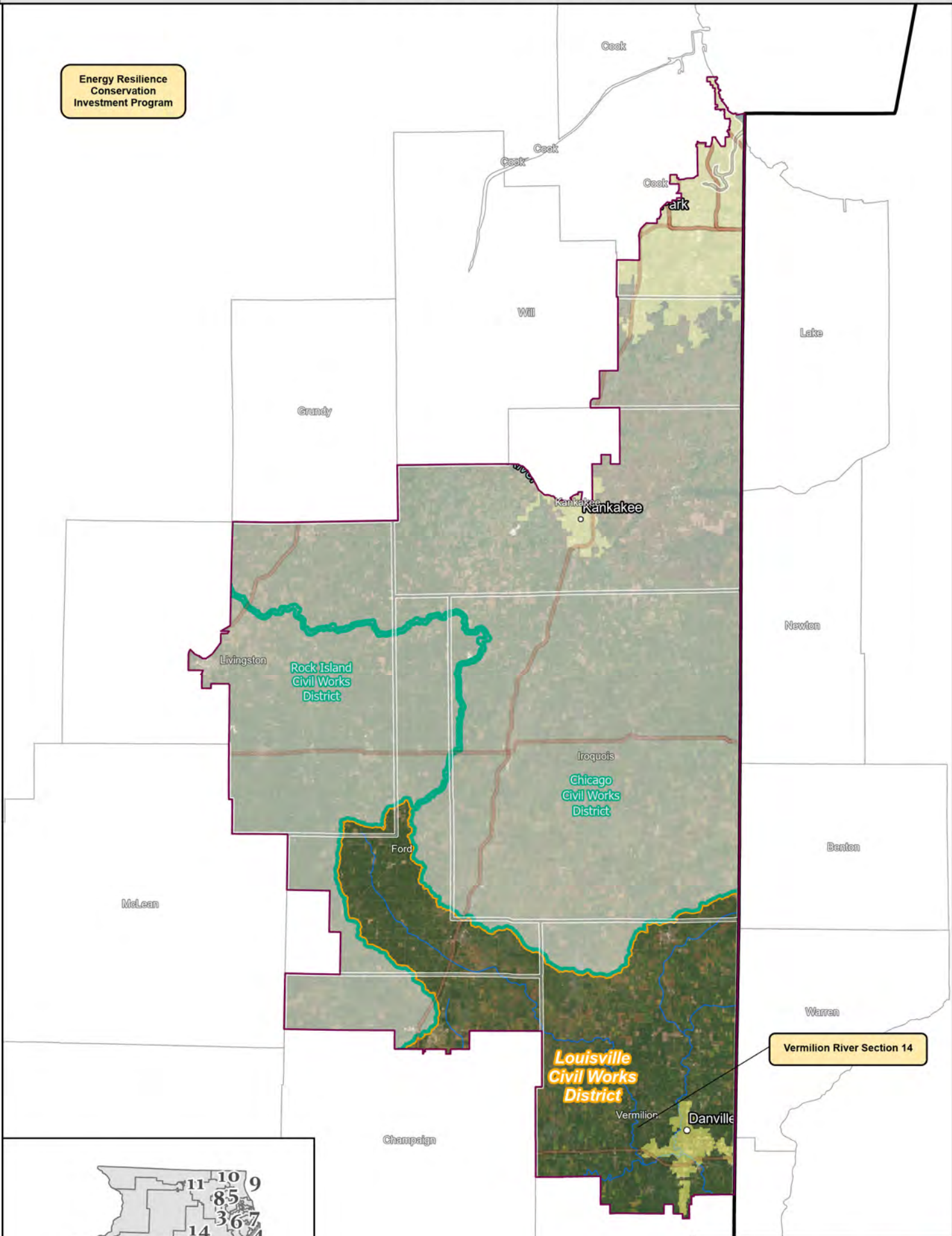


Illinois Congressional District 2

Energy Resilience
Conservation
Investment Program



**Legend**

-  Congressional District Boundary
-  Louisville District Boundary
-  Major Stream
-  County Boundary
-  Illinois
-  Adjacent Civil Works District Boundaries
-  City

Locks and Dam 52 and 53 Replacement Project (Olmsted Locks and Dam), IL and KY



Project Area

Current Phase:

Construction

Location and Description:

The project consists of two 110' X 1200' locks adjacent to the Illinois bank, and a dam comprised of five Tainter gates, 1400' of boat-operated wickets and a fixed weir. The proposed replacement structure will eliminate Ohio River Locks & Dams 52 & 53. Locks & Dams 52 & 53 were completed in 1929 and the temporary 1,200' long lock chambers were added in 1969 at Locks & Dam 52 and 1979 at Locks & Dam 53. The antiquated design and age of these structures make it impossible to meet current traffic demands without significant delays. The existing structures have deteriorated structurally and are overstressed during normal operating conditions. Existing wicket dam has missing sections and wickets that will not raise making it very difficult to maintain pool during low water. The temporary locks at Locks & Dam 52 & 53 have significantly passed their 15-year design life.

This strategic reach of the Ohio River provides a connection between the Mississippi River, Tennessee River and Cumberland River. More tonnage passes this point than any other place in America's inland navigation system. In 2011, 91 million tons (Locks & Dam 52), traversed this portion of the Ohio River. 25% of all coal shipped on the inland waterways transits Locks & Dam 52, destined for many of the 50 power plants located on the Ohio River System or the 17 power plants located in eight states on the Upper or Lower Mississippi River.

Authorization:

The Olmsted Locks & Dam project was authorized by Section 3(a)(6) of the Water Resources Development Act (WRDA) of 1988. The authorized project cost was increased on 17 October 2013 as part of a Continuing

Summarized Financial Data:

Authorized Total Project Cost	\$2,867,296,000
Estimated Federal Cost	\$1,856,981,000
Estimated Inland Waterways Trust Fund	\$1,010,315,000
Funding received to date:	\$2,853,403,115

Appropriations Act, 2014 to \$2,918,000,000. The project was funded 50%/50% from the General Treasury and the Inland Waterways Trust Fund (IWTF) through FY2013. The FY2014 Omnibus Appropriation Act changed the split of IWTF and General Treasury funds to 25%/75% for FY2014 only. Water Resources Reform and Development Act of 2014 changed the IWTF and General Treasury shares to 15%/85% beginning 1 Oct 2014.

Sponsor: Inland Waterways Trust Fund

Status:

Olmsted was put into service on 6 Sep 2018 ahead of the scheduled 1 Oct 2018 date, and 4 years ahead of the PACR milestone, to mitigate significant economic exposure to industry stakeholders given the failing condition of Locks & Dams 52 & 53. This early operational date and subsequent unseasonable extended high-water event impacted completion of several critical items of the dam to include isolation piles and shell patching. An additional \$63M was received through the FY20 Work Plan for project delays due to the high-water impact to the cost-reimbursement contract extension and procurement of remaining work. LRL continues to actively work towards completion of remaining work and to complete the project ahead of the Cost Scheduled Risk Analysis date of 2026. The Dam contract is now complete and the contractor has demobilized from the site.

FY24 Planned Activities:

The evaluation of a trench cleaning design is underway to develop a diver-less process to clean sediment and debris from the wicket trench. The evaluation of proposals is scheduled for the 1st Quarter of FY24. A contract for the development of a design is planned to be awarded with a follow-on construction contract to build and implement the diver-less trench cleaning process. All activities are scheduled to be complete in FY26.

Issues and Other Information:

The project has four pending REAs that are being evaluated.

Congressional Interest:

SEN Mitch McConnell (KY)
SEN Rand Paul (KY)

Vermilion County (HWY 21), Illinois Emergency Streambank Stabilization (CAP Section 14)



Active streambank failure along the Middle Fork
Vermilion River (Vermilion County, IL)

Current Phase:

Design and Implementation (D&I)

Location and Description:

The project site is located approximately 8.3 miles north of Oakwood, IL in Vermilion County, IL along the left descending bank of the Middle Fork Vermilion River, just upstream of the N 900 East Bridge (County Highway 21). This section of the river is classified as a Wild and Scenic River.

According to Vermilion County officials, approximately 250 vehicles traverse that stretch of roadway each day. Closure of this section of the road will lead to a 13.5-mile detour to the north, and a 20.5-mile detour to the south. In addition, this erosion has rendered the public access site for paddlers, anglers, and other recreational users inaccessible.

Significant erosion has occurred in 2011, 2017, and 2019. County officials have closed the lane closest to the river in order to maintain public safety.

Authorization:

Section 14 of the Flood Control Act of 1946, as amended
– Emergency Streambank and Shoreline Stabilization

Sponsor:

Vermilion County, Illinois

Summarized Financial Data:

	<u>(D&I)</u>
Estimated Federal Cost	\$2,608,450
Estimated Non-Federal Cost	\$1,404,550
Total Estimated Project Cost	\$4,013,000
Allocation thru FY23 (Federal)	\$287,300
Balance to Complete After FY23	\$2,321,150
FY24 Capability (FED)	\$2,093,700
FY25 President's Budget	N/A

FY 23 Activities:

The feasibility report, with integrated Environmental Assessment, was signed in November 2022. The Project Partnership Agreement was signed in March 2023. Surveys were completed in August 2023. H&H has updated the previous modeling with the survey data to support calculations for the riprap design.

FY 24 Planned Activities:

The H&H report and Geotechnical report will be completed in the 1st Quarter of FY24, and contractor work limits will be given to Real Estate so acquisitions can begin. Environmental surveys will be completed in the 2nd Quarter. The National Park Service will provide a final determination of effect upon receipt of a notice of application for a 404 permit, including nationwide permits. Final plans and specifications, as well as real estate certification, are currently scheduled to be completed in the 3rd Quarter. The Ready to Advertise (RTA) milestone is currently scheduled for the 4th Quarter of FY24.

Issues and Other Information:

None at this time.

Congressional Interest:

SEN Richard Durbin (IL)
SEN Tammy Duckworth (IL)
REP Robin Kelly (IL-2)

Energy Resilience Conservation Investment Program

Location and Description:

ERCIP projects are located at various Military Installations to include but not limited to: Fort Bliss, Fort Liberty, Fort Buchanan, Fort Cavazos, Fort Riley, Fort Sill, Fort Stewart, Lake City Army Ammunition Plant, Aberdeen Proving Ground, Anniston Army Depot, Joint Base Lewis-McChord, Camp Arijfan, Rock Island Arsenal, White Sands Missile Range, USAG Ansbach, Camp Buehring and Tooele Army Depot.

ERCIP is a subset of the Defense-Wide MILCON Program specifically intended to fund projects that improve energy and water resilience, contribute to mission assurance, save energy, and reduce DoD’s energy costs. ERCIP accomplishes this through construction of new, high-efficiency energy systems and technologies or through modernizing existing energy systems.

Authorization:

Authority for the ERCIP program is established by 10 USC § 2914

FY24 Activities:

Design, procurement, and construction management activities for projects in the ERCIP program.

FY25 Planned Activities:

Design, procurement, and construction management activities for projects in the ERCIP program.

FY26 Planned Activities:

Design, procurement, and construction management activities for projects in the ERCIP program.

Issues and Other Information:

Real property transfer/conveyance rules conflict with installation contracts with privatized utilities.

Summarized Financial Data:

LRL Current Military Program	
Estimated Federal Cost	\$1,197,645,000

Project	Description	Installation	PN	FY	PA
1	Construct Microgrid Controls, 690 kW PV, 275kW GEN, 570 kWh BESS	PR010 - Juana Diaz, Puerto Rico	95004	2022	\$ 12,190,000
2	Construct Microgrid Control System, 460 kW PV, 275kW GEN, 660 kWh BESS	PR013 – Ramey; Puerto Rico	95005	2022	\$ 10,120,000
3	Fort Liberty Emergency Water System	Fort Liberty	97484	2022	\$ 7,705,000
4	Install Microgrid, 750 kW PV Array, 750 kWh BESS, and 680k Generator Set	Conroe ASF	93347	2023	\$ 9,600,000
5	Camp Arijfan ERCIP Power Generation and Microgrid	Camp Arifjan, Kuwait	94849	2023	\$ 26,850,000
6	Ft. Riley ERCIP Power Generation and Microgrid	Fort Riley	98161	2023	\$ 25,780,000
7	Ft. Stewart HAAF ERCIP Power Generation and Microgrid	Fort Stewart HAAF	98162	2023	\$ 25,400,000
8	Ft. Cavazos Power Generation and Microgrid	Fort Cavazos (Hood)	99143	2023	\$ 31,500,000
9	Camp Ruehring FY24 Microgrid	Camp Buehring, KW	94933	2024	\$ 18,850,000
10	Ft. Liberty Camp MacKall FY24 Microgrid	Ft Liberty (Bragg) - Camp MacKall	98901	2024	\$ 10,500,000
11	Microgrid and Backup Power	Fort Buchanan	99144	2024	\$ 56,000,000
12	JBLM DES FY24 Microgrid	Joint Base Lewis-McChord	99146	2024	\$ 49,850,000
13	Lake City FY24 Microgrid CHP	Lake City Army Ammo Plant	99147	2024	\$ 80,100,000
14	Ft. Cavazos FY24 Microgrid	Fort Cavazos (Hood)	99288	2024	\$ 18,250,000
15	Ft. Sill FY24 Microgrid	Fort Sill	101861	2024	\$ 76,650,000
16	Critical Water Storage	Fort Liberty	98977	2025	\$ 25,000,000
17	Anniston Army Depot (ANAD) Power Generation and Microgrid	Anniston Army Depot	100945	2025	\$ 54,000,000
18	Rock Island Arsenal Power Generation and Microgrid	Rock Island Arsenal	100946	2025	\$ 67,500,000
19	JBLM FY25 Grey Army Airfield (GAAF)	Joint Base Lewis-McChord	100947	2025	\$ 38,300,000
20	Aberdeen Proving Grounds (APG) 2MW Microgrid	Aberdeen Proving Ground	100949	2025	\$ 29,400,000
21	Power Generation and Microgrid	White Sands Missile Range	80635	2026	\$ 38,000,000
22	Water Distribution Lines, Potable Industrial Area	Hawthorne Army Depot	86677	2026	\$ 5,000,000
23	Install Microgrid, 575 kW PV, 300kW/1200kW Bat Energy Stor System (BESS), and Two 200kW Elec Turb	Ft. Sheridan	94042	2026	\$ 5,600,000
24	Install Microgrid, 450kW PV, and 500kW/2000kWh Bat Energy Storage Sys (BESS)	Belgium	95066	2026	\$ 17,000,000
25	Power Generation and Microgrid	Camp Buehring, KW	96153	2026	\$ 21,300,000
26	Main Potable Water Lines for Resilience	Tooele Army Depot	98650	2026	\$ 18,500,000
27	Construct Potable Water Purification System at Las Casas Lake	Fort Buchanan	98709	2026	\$ 17,500,000
28	Install Microgrid, 4MW PV, 2MW/8MWh Bat Energy Stor Sys (BESS), and 2MW Generator	Ft. Liberty (Bragg)	100873	2026	\$ 38,000,000
29	Install Microgrid, 1MW PV, 500kW/3MWh Bat Energy Stor Sys (BESS), and 500kW Generator	Joint Base Lewis-McChord	101472	2026	\$ 39,000,000
30	Install Microgrid with PV, Battery Energy Storage System (BESS), and Generation	USAG Ansbach (Katterbach), Germany	102238	2026	\$ 26,000,000
31	Install Microgrid, PV, Battery Energy Storage System, and Generation	USAG Ansbach (Storck Barracks), Germany	102287	2026	\$ 27,000,000
32	Install 12 MW of Ground-Mounted Solar PV and 4MW/4MWh Bat Energy Stor Sys (BESS)	Ft. Sill	102300	2026	\$ 29,000,000
33	Install Microgrid, 500kW PV, 1MW/2MWh Bat Energy Stor Sys (BESS), and 2MW Generator	Ft. Liberty (Bragg)	102321	2026	\$ 15,500,000
34	Install Microgrid, 2.5 MW PV, 5 MWh Battery Energy Storage System (BESS)	Parks RFTA	102712	2026	\$ 37,000,000
35	Install 2.4 MW PV and 10 MWh Battery Energy Storage System	Camp Roberts Enclave	102945	2026	\$ 60,000,000
36	Power Generation and Microgrid	Ft. Carson	102984	2026	\$ 58,000,000
37	Redstone Electric Power, Microgrid	Redstone Arsenal	103043	2026	\$ 33,000,000
38	Install 1750 kW of Natural Gas Generators and Microgrid	Fort Bliss	93031	2026	\$ 7,100,000
39	DPTMS Simulation Training Campus Microgrid	Fort Bliss	98799	2026	\$ 8,600,000
40	5 MW NG Generator - Resiliency, McGregor / Westbrook Ranges	Fort Bliss	98991	2026	\$ 12,000,000
41	5 MW NG Generator - Resiliency, East Bliss Substation	Fort Bliss	99008	2026	\$ 11,000,000