Montgomery Locks and Dam

Monaca, PA

Project Features

• Authorization: Rivers and Harbors Act dated 18 July 1918.

• Montgomery Locks and Dam were built 1932-1936. It began operation in June 1936.

• The project consists of a 1,379 foot gated dam, a 110 foot X 600 foot land side lock, and a 56 foot X 360 foot river side lock which provide for a 17.5 foot vertical lift.

• A channel depth of 9 ft. and width of 300 is required for navigation. Maintenance channel dredging is performed annually.

• Montgomery Dam has an overall length, river wall to abutment of 1,378.75 feet. There are 2 fixed weir on each end and 10 gated sections, each 100 feet in length.

Consequences of Not Maintaining the Project

• Failure to provide adequate funding to maintain this facility will have significant effects to the local and regional economy including: increased transportation costs and delays to the shipment of raw materials.

• Failure to maintain the project's failing harbor will result in the maintenance floating plant being stored off-site, which will hinder maintenance activities and increase the cost of repairs.

Regional Importance

• In 2015, 15.6M tons of cargo and over 4,300 commercial vessels and 1,200 recreational vessels locked through the project. Cargo consists mainly of coal but other commodities include petroleum, iron/steel, grains, manufactured goods, farm products, chemicals, ores/minerals, and other commodities.

• Electric utilities move coal from mines in Pennsylvania and Ohio to power plants serving the mid-Atlantic, Southeastern and Midwestern regions of the country. Steel companies move coal from West Virginia and Kentucky moves to coking facilities above Montgomery. Construction companies move stone, sand and gravel, and cement into the Pittsburgh area through Dashields. These and other shippers that rely on Dashields realized average annual transportation cost savings in excess of $197M.

In addition to annual O&M appropriations for the Ohio River Locks and Dams in Pittsburgh District, this specific Lock and Dam currently has the following maintenance funding needs in order to operate at an optimum level of service and reliability.

Business Line	FY 18 Funding Requests for Maintenance ($1,000)		FY 18 Maintenance Needs
	Total	Package $	
Navigation	$2,705	$800	Plans and Specifications - Land Wall Monolith Replacement
		$105	Plans and Specifications - New Miter Gate Controls
		$175	Dam Scour Protection Analysis
		$1,500	Mission Critical Replacement of Existing PLC and Outdated Network Architecture
		$125	Design for Slope Paving

Additional Information

- 2015 lock tonnage (in thousands) 15,996
- National Rank (tons): 46
- Current Miter Gates In Service Date: 1989
- Projected Year Lock Miter Gates Reach "F" Condition: Main: 2059 Auxiliary: 2039
- Projected Miter Gate Replacement: Main: 2066; Auxiliary: 2050
- Fee Lands: 6.11 acres
- Flowage Easement Lands: 80.7 acres

Congressional Interests

Senator Bob Casey Jr., D-PA
Senator Pat Toomey, R-PA
Representative Keith Rothfus, R-PA-12