

Morganza to the Gulf of Mexico, Louisiana Draft Revised Programmatic Environmental Impact Statement (RPEIS) and Post Authorization Change (PAC) Report

March 14, 2013

**US Army Corps of Engineers
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Public Review & Comment Period

Morganza to the Gulf of Mexico, Louisiana
Revised Draft Programmatic Environmental Impact
Statement & Draft Post Authorization Change Report

45-Day Public Review and Comment Period
ended on
February 19, 2013



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The Bottom Line

Morganza to the Gulf

- The cost estimate has been reevaluated to reflect post-Katrina design criteria changes including new storm surge modeling, new 100-year elevations, increased factors of safety and new borrow standards.
- The \$10B cost for a 100-year level of risk reduction over a 98-mile alignment is in line with post-Katrina improvements to the Greater New Orleans Hurricane and Storm Damage Risk Reduction system, which provides 100-year risk reduction over a 130-mile alignment.
- The MTG project represents a significant investment.
- Local, State & Federal Interest.



PAC Report Content

Project Background / History

Changes since 2002 Feasibility Report

Feasibility-level (approximately 25%-30%) designs

Feasibility-level cost estimate

Levee alignment (plan & profile views)

Identification of Tentatively Selected Plan (TSP)

Economic Analysis

- Benefit to Cost Ratio = 1.3 for both the 1% and 3% plans
- Tentatively Selected Plan is 1% plan
 - Greatest net annual benefits; least residual risk
 - Consistent with State Master Plan



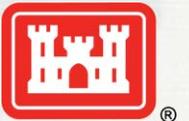
Tentatively Selected Plan

- 98-miles: Earthen levees; approximately 1-mile floodwall along Larose to Golden Meadow (LGM)
- Final levee elevations 15 feet to 26.5 feet
- Final structure elevations 17 feet to 33 feet
- Floodgates: 22 across navigable canals, 9 across roads
- 23 Sets of Sluice Gates for water circulation/drainage
- Cost: \$10.5 Billion (FY 2014 price levels)



Cost Estimates

- Base estimate: \$10.2B (FY12 price levels)
- Program Year Estimate: \$10.5B (FY14 price levels)
- Fully Funded Estimate: \$12.9B (FY 13 price levels)



Eastern Tie-In

- Seven miles of proposed Morganza levee overlays existing Larose to Golden Meadow (LGM) Federal Levee
 - LGM project authorized 1965; HSDRRS design criteria not incorporated
 - PAC Report being developed for LGM
- Larose to Lockport (14 miles)
 - Reduces risk of surge flanking from the eastern side (over Bayou Lafourche ridge)
 - Gheens not within Morganza authorized project area



Mitigation for Induced Flooding

- Potential for higher water stages outside of proposed levee system
- Mitigation measures, such as structure raising, other floodproofing, flowage easements or buyouts / relocations may be required
- Additional hydraulic modeling required to determine the most appropriate mitigation method
- The worst case assumption, buyout of 100 percent of the affected structures, is reflected in the cost estimate for the PAC Report.



Next Steps

- Respond to Public and Agency Comments
 - Finalize PAC Report
 - Civil Works Review Board
 - 30-day Public / State and Agency Review
 - Chief's report or equivalent
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- Coordination with Administration / OMB
 - Congressional Re-authorization / appropriation

