

Investment in our Inland Waterways

***Presentation to
Inland Waterways Users Board***

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IMTS

- FY 10-11 Program Development
- Plan for the Future



IMTS History

- IWTF and general revenues fund major rehabilitation and new construction
- IWTF revenues are about \$85M/yr
- Total available for new construction thus \$170 M per year
- Funds committed to current ongoing construction



FY 09 Inland Waterways Funding – Total Rehab & Construction

\$ in thousands

| NAME | FY09 Conf. | ARRA | Total |
|--|----------------|----------------|----------------|
| TOTAL REHAB PROJECTS | 69,388 | 182,115 | 251,503 |
| TOTAL INLAND WATERWAYS CONSTRUCTION PROJECTS | 276,620 | 211,651 | 488,271 |
| TOTAL INLAND WATERWAYS PROJECTS FUNDING | 346,008 | 393,766 | 739,774 |



FY 10 Inland Waterways Funding – Total Rehab & Construction

\$ in thousands

| NAME | FY 10 Conf. | FY 11 Budget |
|---|----------------|-----------------|
| TOTAL REHAB PROJECTS | 24,564 | 17,250 |
| TOTAL INLAND WATERWAYS CONSTRUCTION PROJECTS | 109,676 | 140,868 |
| TOTAL INLAND WATERWAYS PROJECTS | 134,240 | 158,118 |



Inland Waterway Construction & Rehab Projects, FY10

| Olmsted Locks & Dam, Ohio River, IL & KY | Construction | \$101,521,000 |
|--|--------------|----------------------|
| Kentucky Lock & Dam, Tennessee River, KY | Construction | \$945,000 |
| Locks & Dams 2, 3 & 4, Monongahela River, PA | Construction | \$6,210,000 |
| Chickamauga Lock, Tennessee River, TN | Construction | \$1,000,000 |
| Markland Locks & Dam, Ohio River, KY & IL | Rehab | \$945,000 |
| Emsworth Locks & Dam, Ohio River, PA | Rehab | \$23,619,000 |
| Total | | \$134,240,000 |



FY11 Inland Navigation Budget

| Account | FY11 Request |
|--|----------------------|
| Investigations | \$10 M |
| Construction (incl. MR&T) | \$191 M |
| Operation & Maintenance (incl. MR&T) | \$578 M |
| Total | \$779 M |
| Construction Projects | |
| Emsworth L&D, Ohio R, PA | \$11,500,000 |
| J. Bennett Johnston Waterway, LA | \$1,500,000* |
| Kentucky L&D, Tennessee R., KY | \$2,868,000 |
| L&D 27, Mississippi R., IL | \$350,000 |
| L&D 2, 3 & 4, Monongahela R., PA | \$2,000,000 |
| Markland L&D, Ohio R., KY/IN | \$5,400,000 |
| Miss. R. Channel Improvement (MR&T, nav. portion) | \$15,000,000* |
| Mississippi R. between Ohio & Missouri Rivers, MO/IL | \$4,345,000* |
| Olmsted L&D, Ohio R., KY/IL | \$136,000,000 |
| Total | \$178,863,000 |

* Not cost shared with IWTF

Accomplishments Since 2002

| PROJECT | ACCOMPLISHMENT |
|--|--|
| London Lock & Dam, Kanawha River, WV | Completed in FY 04 |
| Lock and Dam 12, Mississippi River, IA (Major Rehab) | Completed in FY 05 |
| Winfield Lock and Dam, Kanawha River, WV | Completed in FY 09 |
| Lock and Dam 19, Mississippi River, IA (Major Rehab) | Complete in FY 09 |
| Marmet Lock, Kanawha River, WV | Complete in FY 09 |
| Robert C. Byrd Locks and Dam, Ohio River, WV & OH | Complete in FY 09 |
| McAlpine Locks and Dam, Ohio River, KY & IN | Complete in FY 09 |
| Grays Landing Lock and Dam, Monongahela River, PA | Complete in FY 09 |
| Port Marion, Lock and Dam 8, Monongahela River, PA | Complete in FY 09 |
| Lock and Dam 3, Mississippi River, MN (Major Rehab) | Complete construction in FY 11 - funded to completion in FY 09. |
| Lock and Dam 11, Mississippi River, IA (Major Rehab) | Complete construction in FY 11 - funded to completion in FY 09. |
| Lock and Dam 27, Mississippi River, IL (Major Rehab) | Complete construction in FY 12 - funded to completion in FY 09. |
| Illinois Waterway, Lockport L & D, IL (Replacement) | Complete construction in FY 12 - funded to completion in FY 09. |
| Olmsted Locks and Dams, Ohio River, IL & KY | Twin Locks completed in 2005. Initiate and continue dam construction since 2004. |
| Emsworth Locks and Dam, Ohio River, PA | Initiate and continue construction of rehab items since 2006 |
| L & D 2, 3 and 4, Monongahela River, PA & WV | Construct Charleroi L&D since 2002. |
| Chickamauga Lock, Tennessee River, TN | Initiate and continue Cofferdam construction since 2006. |
| Kentucky Lock and Dam, Tennessee River, KY | Initiate and continue work on Highway and Bridges since 2002. |
| Inner Harbor Navigation Canal Lock, LA | Continue demolitions and relocations. |





A Plan for the Future

- **Apply Lessons Learned from Case Study Report**
 - **USACE Program Management Reforms**
 - **USACE Project Management Reforms**
- **Systems Planning**
- **Capital Planning**
- **Right Size Revenues**
- **Industry – USACE Partnership**
 - **At all phases: capital planning, new starts, execution oversight**
 - **IWUB**





IMTS Investment Strategy Team Accomplishments

- **Capital Projects Business Model**
- **New USACE P&PM Business Model**
- **Comprehensive List of IWS 20-Year Requirements**
 - **New Construction**
 - **Major Rehabs**
- **Prioritization Criteria**
- **Prioritized Project List**
 - **Draft 20-Yr Capital Improvement Plan [unconstrained]**
 - **Phase I: Projects currently under construction**
 - **Phase II: Authorized projects; not under construction**
 - **Phase III: Potential projects**
- **Revenue Estimate**
- **Funding Model Options**
- **Implementation Timeline**



Future Business Model

- **USACE Program Delivery**
 - **Systems Budgeting**
 - **Fully/Efficiently budget for projects at New Start Decision**
- **USACE Project Delivery Improvements**
 - **Risk-based cost and schedule estimates**
 - **Independent external peer reviews**
 - **Certified project managers**
 - **Design-construct innovations such as:**
 - **Acquisition – early contractor Involvement**
 - **Design Centers**
 - **Standardized designs**
 - **On-time, on-budget delivery**
 - **IWUB oversight**
- **Capital Planning Changes**
 - **Systems planning**
 - **Systems budgeting**
- **Partnership Improvements**
 - **IWUB Status Briefings: revenues, execution, proposed new starts**
 - **IWUB concurrence on CIP, new starts**
- **Improved “system” communication with all stakeholders**



Discussion



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