

Benefit to Cost Ratios for Ongoing Inland Waterways Trust Fund Projects

For Inland Waterways Users Board Meeting No. 81

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US Army Corps of Engineers
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IWTF Project Costs and Benefit to Cost Ratios

▪ Olmsted Locks & Dam

<u>Authorized Total Project Cost</u>	\$775,000,000
<u>Authorized Fully Funded Project Cost</u>	\$1,590,000,000
<u>Authorized Benefits - Net Annual</u>	\$481,466,826
<u>Authorized BCR @ 7%</u>	5.4
<u>Date of Authorization</u>	17-Nov-88
<u>Current Total Project First Cost</u>	\$3,017,000,000
<u>Current Fully Funded Project Cost</u>	\$3,059,266,000
<u>Current Benefits - Net Annual (7%, FY12 PL)</u>	\$588,296,640
<u>Current BCR @ 7%</u>	3.4
<u>Current RBRCR @ 7%</u>	25.5
<u>Current BCR @ 2.875%</u>	6.0
<u>Current RBRCR @ 2.875%</u>	45.3
<u>Date of Latest Cost Estimate</u>	Apr-16 

IWTF Project Costs and Benefit to Cost Ratios

▪ Locks & Dams 2, 3 & 4, Mon River, PA

<u>Authorized Total Project Cost</u>	\$556,400,000
<u>Authorized Fully Funded Project Cost</u>	\$750,000,000
<u>Authorized Benefits - Net Annual</u>	\$29,700,000
<u>Authorized BCR @ 7%</u>	6.7
<u>Date of Authorization</u>	31-Oct-92
<u>Current Total Project First Cost</u>	\$1,657,408,233
<u>Current Fully Funded Project Cost</u>	\$2,654,017,906
<u>Current Benefits - Net Annual (7%, FY17 PL)</u>	\$162,616,000
<u>Current BCR @ 7%</u>	1.5
<u>Current RBRCR @ 7%</u>	2.2
<u>Current BCR @ 2.875%</u>	2.8
<u>Current RBRCR @ 2.875%</u>	4.4
<u>Date of Latest Cost Estimate</u>	Oct-16 

IWTF Project Costs and Benefit to Cost Ratios

▪ Kentucky L&D

<u>Authorized Total Project Cost</u>	\$393,200,000
<u>Authorized Fully Funded Project Cost</u>	\$811,578,000
<u>Authorized Benefits - Net Annual</u>	\$21,900,000
<u>Authorized BCR @ 7%</u>	1.7
<u>Date of Authorization</u>	Oct-96
<u>Current Total Project First Cost</u>	\$838,700,000
<u>Current Fully Funded Project Cost</u>	\$874,222,000
<u>Current Benefits - Net Annual (7%, FY94 PL)</u>	\$26,974,000
<u>Current BCR @ 7%</u>	1.7
<u>Current RBRCR @ 7%</u>	3.9
<u>Current BCR @ 2.875%</u>	3.7
<u>Current RBRCR @ 2.875%</u>	8.9
<u>Date of Latest Cost Estimate</u>	May-16



IWTF Project Costs and Benefit to Cost Ratios

▪ Chickamauga L&D

<u>Authorized Total Project Cost</u>	\$267,166,000
<u>Authorized Fully Funded Project Cost</u>	\$475,854,000
<u>Authorized Benefits - Net Annual (6.375%, FY 02 PL)</u>	\$2,800,000
<u>Authorized BCR @ 5.625%</u>	2.2
<u>Date of Authorization</u>	Feb-03
<u>Current Total Project First Cost</u>	\$703,473,000
<u>Current Fully Funded Project Cost</u>	\$754,678,000
<u>Current Benefits - Net Annual (7%, FY16 PL)</u>	\$-4,065,000
<u>Current BCR @ 7%</u>	0.8
<u>Current RBRCR @ 7%</u>	1.8
<u>Current BCR @ 2.875%</u>	2.7
<u>Current RBRCR @ 2.875%</u>	14.2
<u>Date of Latest Cost Estimate</u>	Jun-16



QUESTIONS?

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