BCRs and Economic Updates

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US Army Corps of Engineers
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BCRs and Economic Updates

- Process
- Policy
- Methodology
- Criteria
- Results





Process

1. Pre 2012

- Recon Y/N → Feasibility study formulate plans, estimate costs, estimate benefits → NED → BCR
- Feasibility

 Congressional authorization uses the federal discount rate (lower the rate, the higher the BCR)
- 2. Budgeting appropriation with OMB 7% interest rate, BCR > 2.5; generally prioritize by BCR

3. CWPM 2012

- Economics older than 3 years in PED and 5 years in CG update required
- Support annual budget updates (Level 1)





Policy – CWPM 2012

- 1. Updated BCRs required to support funding requests for all projects in PED (GI) and CG
 - Cost updates annually Section 902 compliance
- 2. Purpose: to determine if investment is still justified
 - Premise still valid? traffic, condition, investment cost
 - BCR update based on the benefits traffic, level of performance
 - BCR should include updates of project cost
- 3. To support annual Program Development process, an update must be undertaken in situations where the PDT determines that changes in scope and cost warrant a reassessment (ER 1105-2-100 Appendix G).





Methodology – CWPM 12-001

- No major new analysis update to support budget, not reevaluate authorization
- 2. Limit to review and update previous assumptions
- All economic analysis to use 7% discount rate and current discount rate
- 4. BCRs calculated with total project costs and benefits
- 5. Defines update levels:
 - Level 1 Reaffirmation 1 month plus
 - Level 2 Benefit Update 2 months plus
 - Level 3 Limited (Economic) Reevaluation 6 months plus
 - Level 4 General Reevaluation beyond scope of update; 12 months plus



Criteria - Level of Update

- Level 1 No change in traffic outlook or performance projections – indexing price levels
- Level 2 Change in traffic levels, but no major shifts – benefits
- 3. Level 3 Significant change in traffic, projected performance, or costs benefits, costs
- 4. Level 4* Full reanalysis follow ER 1105-2-100
 new plan formulation, benefits, costs



^{*} beyond an economic update and requires HQ approval



Results - BCRs for CPBM Priority Projects

	СРВМ	Authorizing Document				Economic Update				2013 Budget Update	
Project	Rank	Year	Type	BCR	App Rate	Year	Туре	App Rate	BCR (7%)	BCR (7%)	RBRCR (7%)
Olmsted	1	1985	Feasibility	2.8	8.63%	2012	3-PACR/LRR	2.8	3.3	3.4	9.8
Lower Mon	2	1992	Feasibility	4.6	7.75%	2014	3-LRR	n.a.	n.a	3.6	4.0
Kentucky	7	1991	Feasibility	1.7	8.50%	1994	3-LRR	1.8	1.7	1.7	3.6
Chickamauga	4	2001	Feasibility	2.2	6.38%	2009	3-LRR	2.3	1.7	1.8	2.8
L/D 25	5	2008	Feasibility	1.3	5.38%	n.a	n.a	n.a.	n.a	Not in Budget	
L/D 22	6	2008	Feasibility	1.3	5.38%	n.a	n.a	n.a.	n.a	Not in Budget	
Greenup	3	2000	Feasibility	2.4	6.88%	2003	3-LRR	2.4	n.a.	Not in Budget	

n.a. - not available

PCXIN is working to improve capability

- national network/system level
- incorporate reliability (risk exposure)
- national economic data sets consistent and updatable
- Improve investment information to make prioritization decisions

