

SUMMARY OF

FY06 REVISED WORKPLAN

&

1st INCREMENT COST ESTIMATE

FOR

UMRS NAVIGATION AND

ECOSYSTEM SUSTAINABILITY

PROGRAM (NESP)

(5-4-06)

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REVISED - FY06 NESP BUDGET ALLOCATION

Last Updated: 5-4-06

Projects Activities	REVISED FY06 PED \$	FEB 10 FY06 PED \$	TOTAL CHANGE
PROGRAMMATIC PROJECTS			
A. Program Management	\$495,000.00	\$725,000.00	-\$230,000.00
B. Institutional Arrangements (PED)	\$62,451.62	\$74,999.93	-\$12,548.31
C. Systemic Public Involvement	\$100,000.00	\$250,000.00	-\$150,000.00
SUBTOTALS	\$657,451.62	\$1,049,999.93	-\$392,548.31
RE-EVALUATION REPORT			
D. Navigation Adaptive Management	\$978,083.14	\$300,000.00	\$678,083.14
SUBTOTALS	\$978,083.14	\$300,000.00	\$678,083.14
NAVIGATION EFFICIENCY PROJECTS			
E. Systemic Env. Mitigation	\$412,136.80	\$335,000.00	\$77,136.80
F. Navigation Appointment Scheduling	\$39,000.00	\$40,000.14	-\$1,000.14
G. Mooring Cells and Buoys	\$66,000.00	\$50,000.00	\$16,000.00
H. Switchboat	\$50,000.00	\$50,000.00	\$0.00
I1. Lock 22	\$1,661,434.74	\$1,674,999.77	-\$13,565.03
I2. Lock 25	\$1,729,859.73	\$1,874,999.90	-\$145,140.17
I3. Lock La Grange	\$95,619.59	\$100,000.30	-\$4,380.71
SUBTOTALS	\$4,054,050.86	\$4,125,000.11	-\$70,949.25
ECOSYSTEM RESTORATION PROJECTS			
J. UMRS Ecosystem Rest. Plan	\$400,000.00	\$400,000.00	\$0.00
K. Ecosystem Adaptive Management	\$1,144,948.75	\$1,152,337.95	-\$7,389.20
L. System Cultural Stewardship	\$205,000.00	\$375,000.00	-\$170,000.00
M. Forest Management	\$148,060.00	\$149,999.60	-\$1,939.60
N. Fleeting Plan	\$75,000.00	\$125,000.00	-\$50,000.00
O. Island Building - Pool 11	\$80,000.00	\$100,000.18	-\$20,000.18
P1. Fish Passage - L&D 26	\$214,323.40	\$234,000.23	-\$19,676.83
P2. Fish Passage - L&D 22	\$591,467.39	\$435,000.00	\$156,467.39
Q2. Floodplain Restoration - Root River, MN	\$38,000.00	\$50,000.00	-\$12,000.00
Q3. Floodplain Restoration - Pierce County, WI	\$18,000.00	\$25,000.00	-\$7,000.00
Q4. Floodplain Restoration - Emiquon West, IL	\$34,999.80	\$34,999.80	\$0.00
R1. Pool Water Level Management - Pool 5	\$167,500.00	\$150,000.00	\$17,500.00
R2. Pool Water Level Management - Pool 9	\$90,000.00	\$114,999.62	-\$24,999.62
R3. Pool Water Level Management - Pool 18	\$118,000.00	\$118,000.00	\$0.00
S. Backwater Restoration - IWW Peoria Reach	\$69,806.00	\$80,000.01	-\$10,194.01
U1. Side Channel Restoration - Buffalo Chute	\$197,187.00	\$208,000.00	-\$10,813.00
U2. Side Channel Restoration - Scheniman Chute	\$0.00	\$10,000.00	-\$10,000.00
V1. Wing Dam/Dike Alteration - Herculaneum	\$176,000.00	\$185,000.00	-\$9,000.00
V2. Wing Dam/Dike Alteration - Pool 2	\$2,662.49	\$2,662.49	\$0.00
W. Island Shoreline Protection	\$83,199.76	\$85,000.29	-\$1,800.53
X. Dam Point Control - L&D 25	\$216,260.00	\$225,000.00	-\$8,740.00
Y. Dam Embankment Lowering - L&D 8	\$125,000.00	\$150,000.00	-\$25,000.00
Z. Reduce Water Level Fluctuation - IWW	\$14,999.79	\$14,999.79	\$0.00
SUBTOTALS	\$4,210,414.38	\$4,424,999.96	-\$214,585.58
TOTALS	\$9,900,000.00	\$9,900,000.00	\$0.00

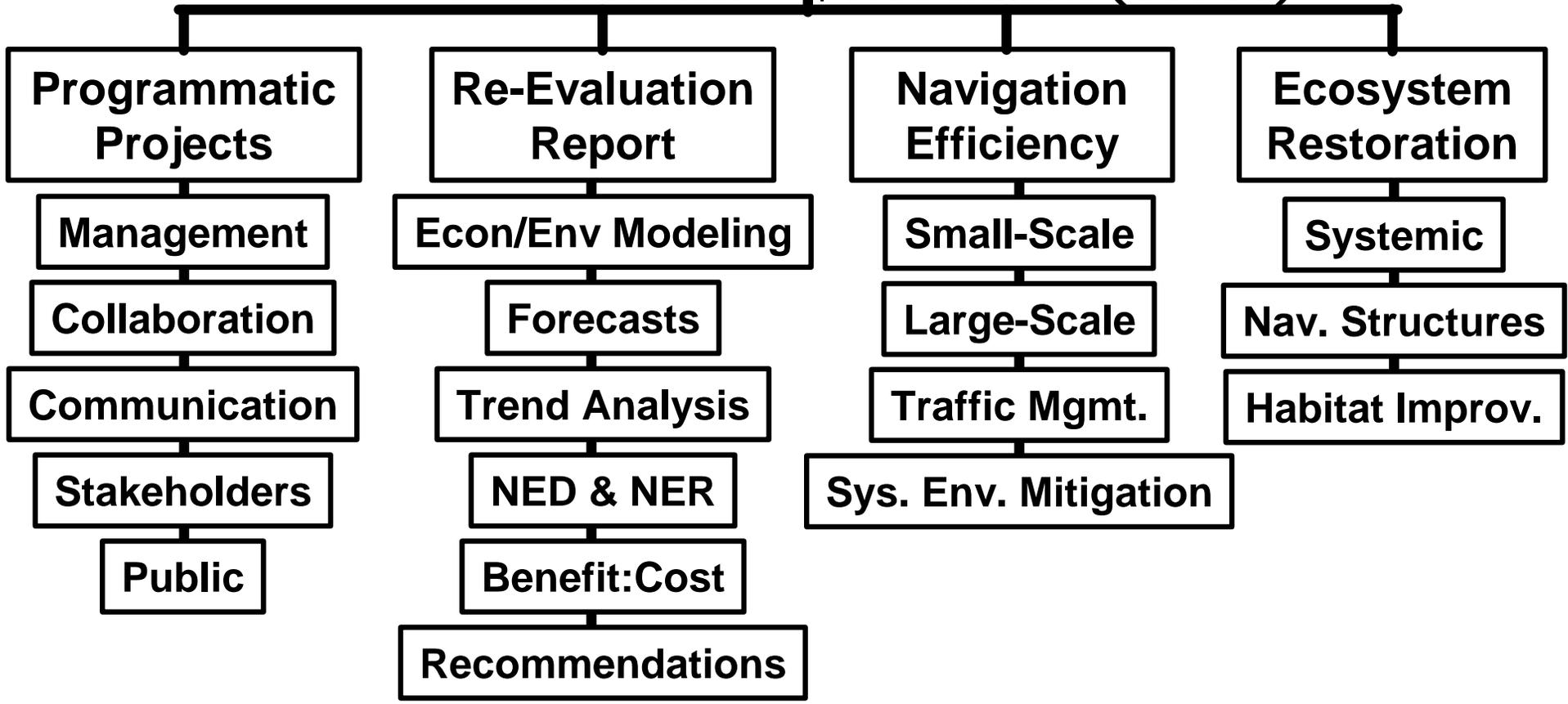


NAVIGATION AND ECOSYSTEM SUSTAINABILITY PROGRAM (NESP)



Current Program (PED)

1st increment = \$3.59 billion (Oct 05)



\$49.6 M

\$4.6 M

\$1,910.2 M

\$1,625.9 M

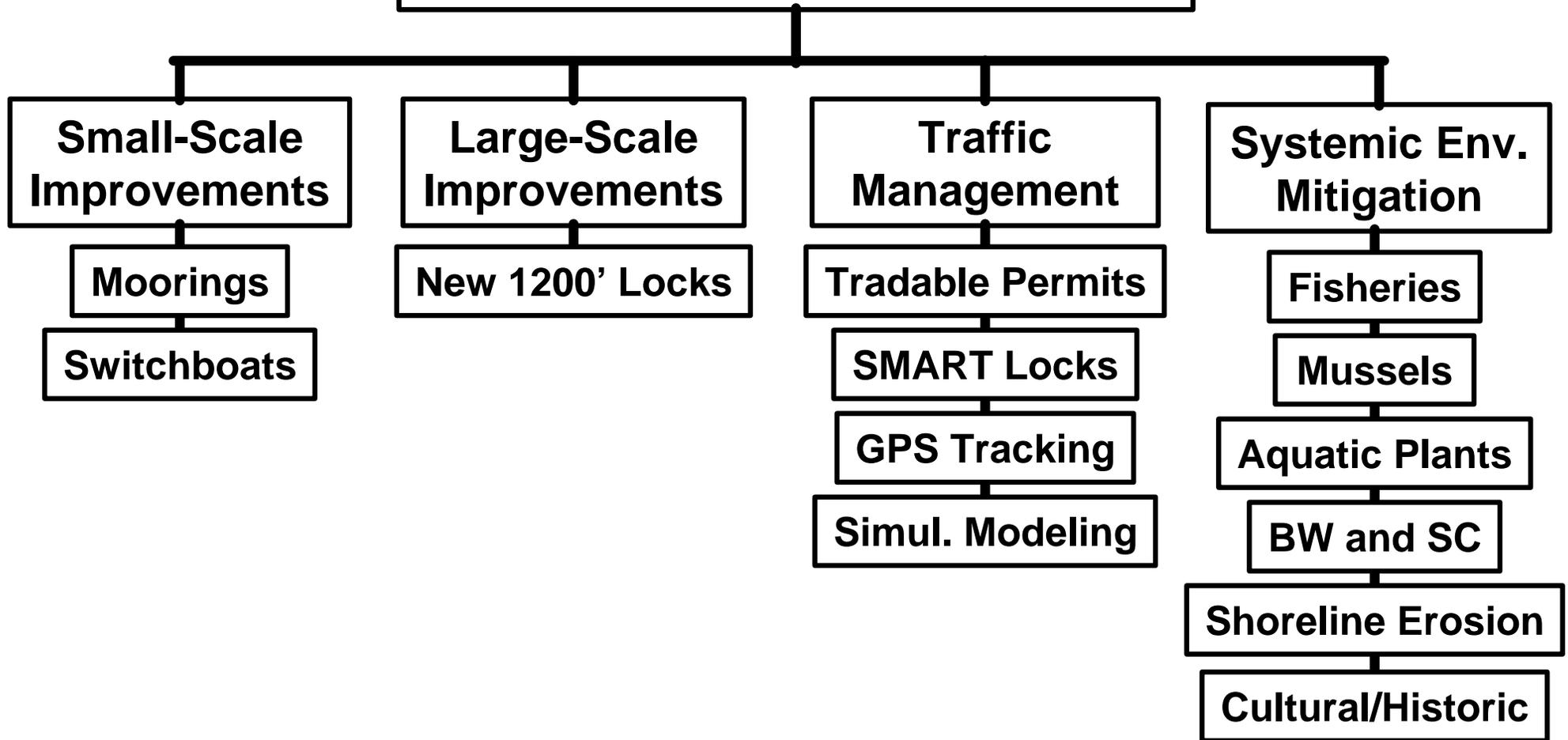


NESP Navigation Efficiency Projects

1st increment = \$1.91 billion (Oct 05)



Navigation Efficiency Projects



One Team: Relevant, Ready, Responsive, Reliable

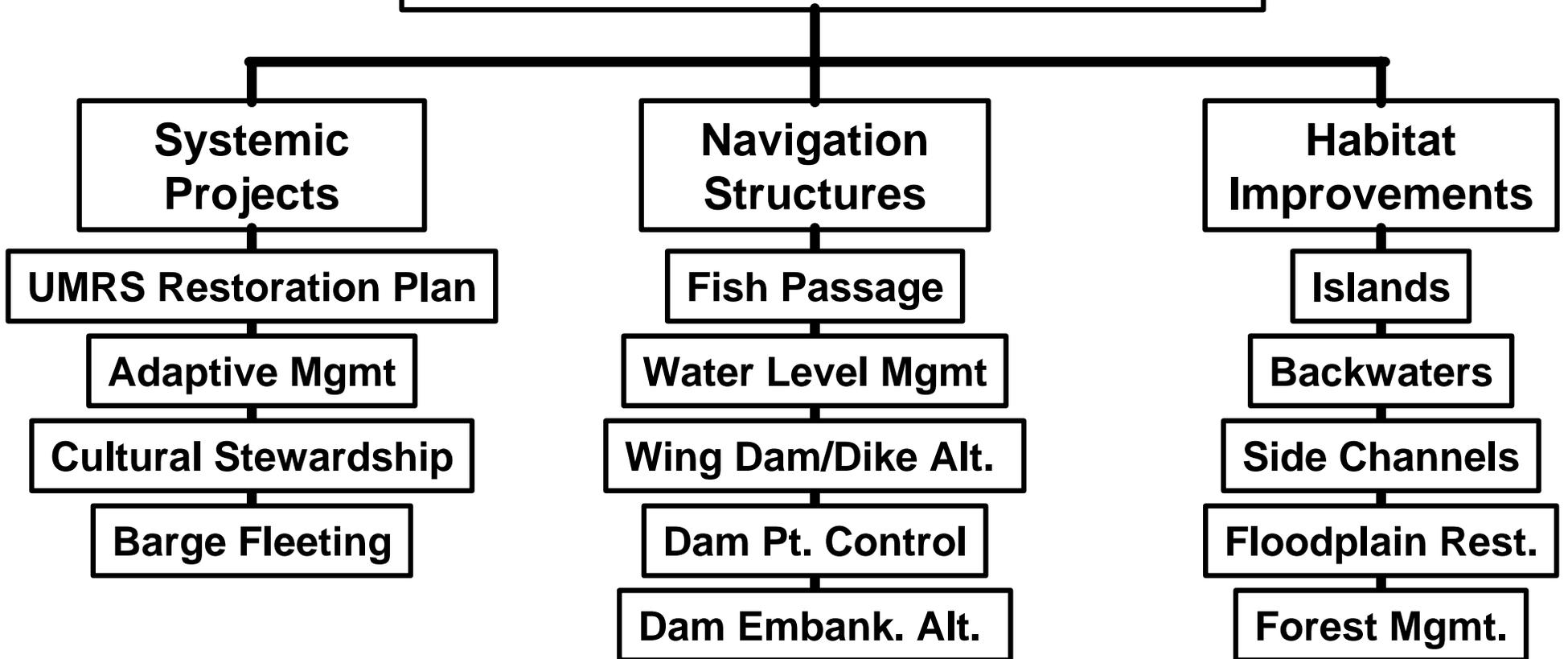


NESP Ecosystem Restoration Projects

1st increment = \$1.63 billion (Oct 05)



Ecosystem Restoration Projects



One Team: Relevant, Ready, Responsive, Reliable

UMRS Navigation and Ecosystem Sustainability Program (NESP)

BASELINE SCHEDULE - NAVIGATION EFFICIENCY COMPONENT

Last Update: 14 April 2006

ASSUMPTIONS: Program Authorized by end of FY07; FY07 Funding \$10M GI (PED) and \$0 CG (Const.); FY08 and beyond program funded CG to full capability as displayed in attached table dtd 4-4-06.

KEY:

	- Baseline Schedule on track
	- Baseline Schedule Disrupted
	- Schedule extension due to disruption

BCS - Baseline Construction Start
RCS - Revised Construction Start

Navigation Efficiency Component Management Actions	Schedule for First Increment (FY)																			
	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1) Moorings																				
(a) Locks 14, 18 & 22		BCS	RCS																	
(b) Locks 24 & LGR			BCS	RCS																
(c) Locks 12 & 20				BCS	RCS															
(2) Switchboats																				
(a) Locks 22 & 25		BCS				RCS														
(b) Locks 21, 24, and 20				BCS			RCS													
(3) New 1200' Locks																				
(a) Locks 22, 25, LGR					BCS			RCS												
(b) Locks 21 & 24								BCS			RCS									
(c) Lock 20 & PEO											BCS			RCS						
(4) Systemic/Site Sp. Env. Mitigation																				
(5) Notification Report (Interim Report)																				
(6) Evaluation Report																				
(7) Revised Programmatic Feasibility Report																				

Systemic/Site Specific Environmental Mitigation - Includes anticipated systemic and site specific projects for fisheries, submersed aquatic plants, bank erosion, ecological monitoring,
Notification Report (Interim Report): Report on development and testing of appt. scheduling system,new spatial economic models, demand elasticity data, monitoring of traffic delays and patterns,domestic and global grain market conditions, land use, crop yield technology, effects of switchboats and moorings.
Evaluation Report: Extension of the Notification Report and include updates on all items listed above in addition to a complete economic re-analysis utilizing update economic models
Revised Programmatic Feasibility Report: Similar in scope to the original 2004 Feasibility Report, completion of this document would occur before end of first increment. Would seek

Reasons for Schedule Disruption: Program Remains Unauthorized, Annual Appropriation levels (FY05-07) significantly less than expressed capability required to meet baseline schedule.

UMRS Navigation and Ecosystem Sustainability Program (NESP)

BASELINE SCHEDULE - ECOSYSTEM RESTORATION COMPONENT

Last Update: 5 May 2006

ASSUMPTIONS: Program Authorized by end of FY07; FY07 Funding \$10M GI (PED) and \$0 CG (Const.); FY08 and beyond program funded CG to full capability as displayed in attached table dtd 4-4-06.

KEY: - Baseline Schedule on track
 - Baseline Schedule Disrupted
 - Schedule extension due to disruption

BCS - Baseline Construction Start
RCS - Revised Construction Start

Ecosystem Restoration Components	Schedule for First Increment (FY)																							
	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
(1) UMRS Ecosystem Adaptive Management	Green	Yellow																						
(2) UMRS Systemic Forestry Management Plan	Green	Yellow	Yellow	BCS	RCS	Yellow																		
(3) UMRS Cultural Stewardship Plan	Green	Yellow	Yellow	BCS	RCS	Yellow																		
(4) Systemic Barge Fleeting Plan	Green	Yellow	Yellow	Red	Yellow																			
(5) Island Building	Green	Yellow	Yellow	BCS	Yellow																			
(6) Fish Passage	Green	Yellow																						
(a) Lock and Dams 22 & 26	Green	Yellow	Yellow	Yellow	BCS	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Yellow											
(b) Lock and Dams 4 & 8	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	BCS	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red		
(7) Floodplain Restoration	Green	Yellow																						
(a) Phase 1 (12,000 acres)	Green	Yellow	Yellow	BCS	RCS	Yellow	Yellow	Red	Yellow															
(b) Phase 2	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	BCS	RCS	Yellow	Yellow	Yellow	Red	Yellow								
(c) Phase 3	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	BCS	RCS	Yellow	Yellow	Yellow	Red		
(8) Water Level Management	Green	Yellow																						
(a) Phase 1 (Pools 5, 9, 18)	Green	Yellow	Yellow	BCS	RCS	Red	Yellow																	
(b) Phase 2	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	BCS	RCS	Red	Yellow														
(c) Phase 3	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	BCS	RCS	Red	Yellow											
(d) Phase 4	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	BCS	RCS	Red	Yellow	Yellow	Yellow	Yellow		
(9) Dam Point Control	Green	Yellow																						
(a) Lock and Dam 25	Green	Yellow	Yellow	BCS	Yellow																			
(b) Lock and Dam 16	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	BCS	Yellow	Yellow	Yellow	Yellow	RCS	Yellow	Yellow	Yellow	Yellow		
(10) Backwater Restoration (Dredging)	Green	Yellow	Yellow	BCS	RCS	Yellow																		
(11) Side Channel Restoration	Green	Yellow	Yellow	BCS	RCS	Yellow																		
(12) Wing Dam/Dike Alteration	Green	Yellow	Yellow	BCS	RCS	Yellow																		
(13) Shoreline Protection	Green	Yellow	Yellow	BCS	RCS	Yellow																		
(14) Topographic Diversity Restoration	Green	Yellow	Yellow	BCS	RCS	Yellow																		
(15) Dam Embankment Lowering	Green	Yellow	Yellow	BCS	RCS	Yellow																		

Reasons for Schedule Disruption: Program Remains Unauthorized, Annual Appropriation levels (FY05-07) significantly less than expressed capability required to meet
Island Building - Schedule slippages also due T&E species (mussels) concerns.
Floodplain Restoration - Schedule slippages also due to delayed decision on cost sharing policy with NGOs.
Dam Point Control - Schedule slippages also due to LERRDs issues.



NAVIGATION AND ECOSYSTEM SUSTAINABILITY PROGRAM (NESP)



COST Breakdown for Implementation of 1st Increment

4-May-06

(\$millions)

COMPONENT	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ecosys. Rest.	4.432	4.060	28.050	39.380	79.501	97.398	68.138	87.397	115.627	133.532
Nav. Eff.	4.940	5.155	19.500	22.932	32.824	47.830	69.163	87.631	144.917	152.953
Programmatic	1.814	0.685	1.500	1.850	2.200	2.600	3.000	3.200	3.400	3.500
TOTALS	11.187	9.900	49.050	64.162	114.525	147.828	140.301	178.228	263.944	289.985

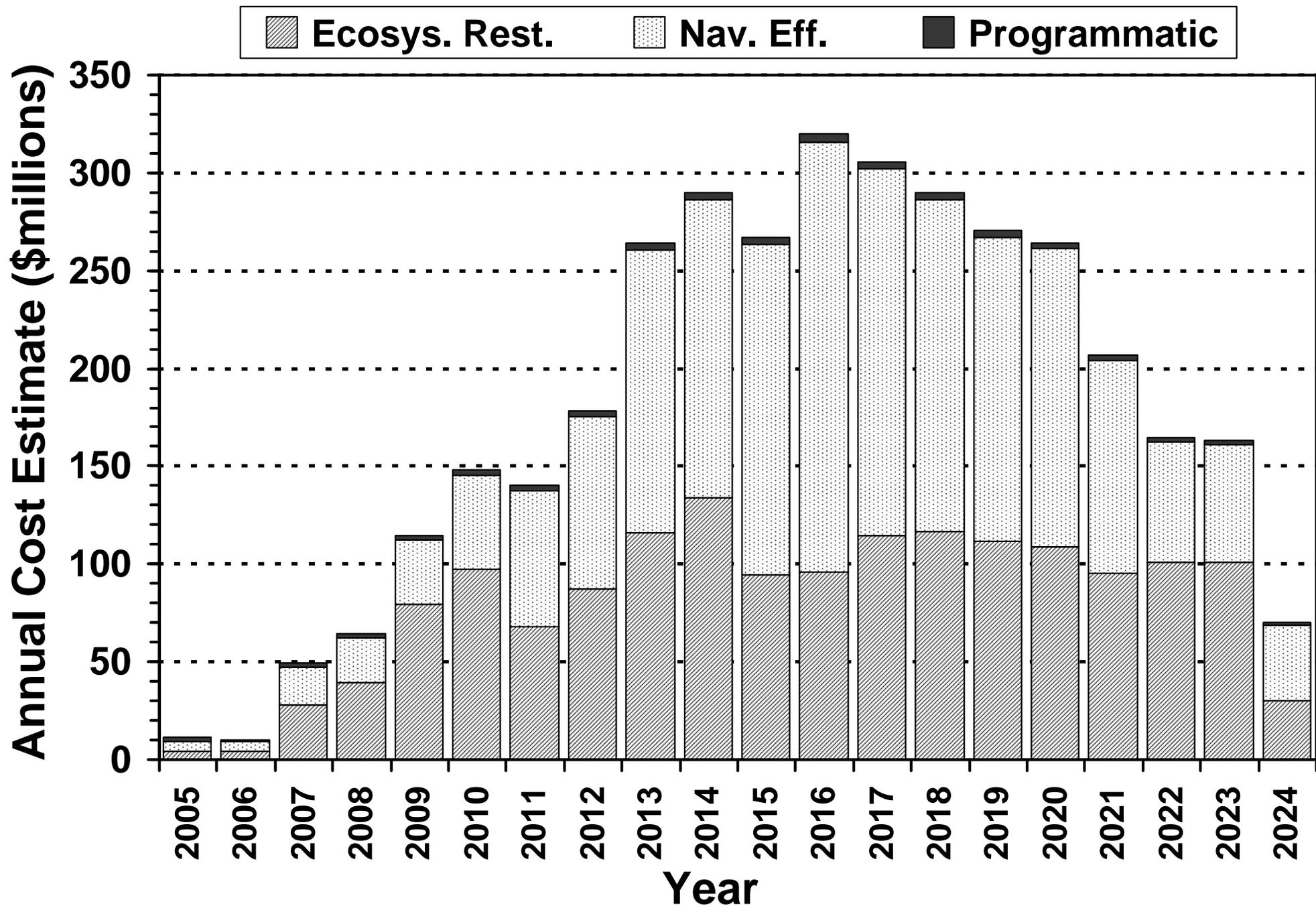
COMPONENT	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ecosys. Rest.	94.316	95.963	114.457	116.627	111.440	108.617	94.980	100.813	100.880	30.315
Nav. Eff.	168.893	219.882	187.402	169.350	155.534	152.568	108.799	61.547	60.292	38.056
Programmatic	3.800	4.000	3.900	3.700	3.500	3.200	2.900	2.000	2.000	1.500
TOTALS	267.009	319.845	305.759	289.676	270.474	264.385	206.678	164.360	163.171	69.871

COMPONENT	Total
Ecosys. Rest.	1,625.9
Nav. Eff.	1,910.2
Programmatic	54.2
TOTALS	3,590.3

NOTE: All values reflect Oct 2005 Price Levels

One Team: Relevant, Ready, Responsive, Reliable

Annual Cost Estimate for NESP 1st Increment



Annual Cost Estimate for NESP 1st Increment

