

OSRI Budget Alternatives

It is difficult to predict what OSRI's budget will be in future years. There are changes in interest rates that affect the amount received from the Oil Spill Liability Trust Fund as well as OSRI's reserves. There is also legislation before congress that would increase the principal that OSRI draws interest from. Because of these issues we have developed three budget alternatives.

Alternative A is the most conservative and assumes there is no increase in the principal and the interest rates remain near three percent. It aims to balance the expenditures with the expected revenue for the next five years. Alternative B makes the same assumptions as Alternative A, but looks to spend down the OSRI reserve over the next five years.

Alternative C assumes an interest rate near three percent, but assumes an increase in the principal.

In each year there are budgets associated with specific projects. I fully expect that opportunities will come up that may change the timing that projects occur or may include new directions that we may desire to pursue. The budgets should provide an indication of what we might hope to achieve given different funding levels.

Table 1 - revised by WSP on Sep 22, 2009

2011-2015 OSRI Alternative A Science Plan (no enhancement, maintain reserve)

Annual workplan budgets - Proposed

Project	Proposed 2011	Proposed 2012	Proposed 2013	Proposed 2014	Proposed 2015
<u>Understand</u>					
Nearshore Biology					
NPRB Partnership	100	100	100	100	100
Synthesis	25	25	25	0	0
Species surveys	0	0	0	75	80
Interannual variability	25	0	0	0	0
Biology subtotal	150	125	125	175	180
Surface Circulation					
surface circulation study					
Hydrologic model validation		50	50		
Weather station maintenance	30	30		0	0
Circulation subtotal	30	80	50	0	0
Ocean Observing					
Evaluation of PWS observing	25				
Model scaling exercises					
Ocean modeling evaluation					
Larval drift modeling					
Model validation exercise					
Ocean Observing subtotal	25	0	0	0	0
Understand Subtotal	205	205	175	175	180
<u>Respond</u>					
Spill Response Information Tools					
Scoping workshop	30	20			
New tools		25	65		
Information components				35	55
Best Practices					
Updates and general support	25	15		15	
New documents					
Oil Spill Detection and Tracking					
Airborne sensor development	50	50	75		
Improved tracking buoys				75	75
AUV mounted sensors					
Spill Response in Ice					
Improved ice processing					
Containment and removal					
Fate and behavior in broken ice					
Respond Subtotal	105	110	140	125	130
<u>Inform</u>					
Workshops and Conferences	20	20	20	20	20
Education					
Graduate Research	50	50	50	50	50
Internship	15	15	15	15	15
K-12	30	30	30	30	30
Science and technology	10	10	10	15	
Summer programs	10	10	10	10	10
Outreach					
Outreach activities	10	10	10	10	15
Booth display	10				
Inform Sub-Total	155	145	145	150	140

Other Programs

Research Program Manager	125	130	130	140	140
STC travel	10	10	10	10	10
Other Programs Sub-Total	135	140	140	150	150

Work Plan Budget-Total	600	600	600	600	600
Administrative overhead	150	150	150	150	150

Budgeted GRAND TOTAL	750	750	750	750	750
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Revenue Sources

Estimated US Treasury Deposit	703	703	703	703	703
Reserve Amount needed	47	47	47	47	47
Total funds available	750	750	750	750	750

Estimated Interest	1560	39	39	39	38	38
Program Reserve fund	1560	1,552	1,544	1,535	1,527	1,518
Total funds at end of year		1,591	1,583	1,574	1,565	1,556

Table 1 - revised by WSP on Sep 22, 2009

2011-2015 OSRI Science Plan Alternative B (no enhancement, spend reserve)

Annual workplan budgets - Proposed

Project	<u>Proposed</u> 2011	<u>Proposed</u> 2012	<u>Proposed</u> 2013	<u>Proposed</u> 2014	<u>Proposed</u> 2015
Understand					
Nearshore Biology					
NPRB Partnership	100	100	100	100	100
Synthesis	25	50	25	0	0
Species surveys	0	0	0	80	80
Interannual variability	25	0	0	0	0
Biology subtotal	150	150	125	180	180
Surface Circulation					
surface circulation study				80	80
Hydrologic model validation		50	50		
Weather station maintenance	30	30	30	0	0
Circulation subtotal	30	80	80	80	80
Ocean Observing					
Evaluation of PWS observing	50				
Model scaling exercises			50		
Ocean modeling evaluation					
Larval drift modeling					
Model validation exercise				100	
Ocean Observing subtotal	50	0	50	100	0
Understand Subtotal	230	230	255	360	260
Respond					
Spill Response Information Tools					
Scoping workshop	30	20			
New tools		25	75		50
Information components	50			50	50
Best Practices					
Updates and general support	25	15	20	20	20
New documents		40		40	
Oil Spill Detection and Tracking					
Airborne sensor development	75	75	75		
Improved tracking buoys				75	75
AUV mounted sensors					
Spill Response in Ice					
Improved ice processing					
Containment and removal					
Fate and behavior in broken ice					
Respond Subtotal	180	175	170	185	195
Inform					
Workshops and Conferences	20	30	25	25	30
Education					
Graduate Research	50	50	50	50	50
Internship	15	15	15	15	17
K-12	45	45	45	45	45
Science and technology	10	10	15	15	15
Summer programs	10	12	12	12	13
Outreach					
Outreach activities	10	13	13	13	15
Booth display	10				
Inform Sub-Total	170	175	175	175	185

Other Programs

Research Program Manager	138	142	146	151	155
STC travel	10	10	12	12	15
Other Programs Sub-Total	148	152	158	163	170

Work Plan Budget-Total	728	732	758	883	810
Administrative overhead	182	183	190	221	203

Budgeted GRAND TOTAL	910	915	948	1104	1013
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Revenue Sources

Estimated US Treasury Deposit	703	703	703	703	703
Reserve Amount needed	207	212	245	401	310
Total funds available	910	915	948	1104	1013

Estimated Interest	1560	78	72	65	56	38
Program Reserve fund	1560	1,431	1,291	1,111	765	494
Total funds at end of year		1,509	1,362	1,175	821	532

Table 1 - revised by WSP on Sep 22, 2009

2011-2015 OSRI Science Plan Alternative C (enhancement, spend reserve)

Annual workplan budgets - Proposed

Project	Proposed 2011	Proposed 2012	Proposed 2013	Proposed 2014	Proposed 2015
<u>Understand</u>					
Nearshore Biology					
NPRB Partnership	100	100	100	100	100
Synthesis	25	50	25	0	0
Species surveys	0	0	0	80	80
Interannual variability	25	0	0	0	0
Biology subtotal	150	150	125	180	180
Surface Circulation					
surface circulation study				80	80
Hydrologic model validation		50	50		
Weather station maintenance	30	30	30	0	0
Circulation subtotal	30	80	80	80	80
Ocean Observing					
Evaluation of PWS observing	50				
Model scaling exercises			50		
Ocean modeling evaluation	75				
Larval drift modeling					
Model validation exercise				100	
Ocean Observing subtotal	125	0	50	100	0
Understand Subtotal	305	230	255	360	260
<u>Respond</u>					
Spill Response Information Tools					
Scoping workshop	30	20			
New tools		25	75		50
Information components	50			50	50
Best Practices					
Updates and general support	25	15	20	15	15
New documents		40		40	
Oil Spill Detection and Tracking					
Airborne sensor development	75	75	75		
Improved tracking buoys				75	75
AUV mounted sensors	50	125	125	125	
Spill Response in Ice					
Improved ice processing			75	75	75
Containment and removal					125
Fate and behavior in broken ice	100	75			
Respond Subtotal	330	375	370	380	390
<u>Inform</u>					
Workshops and Conferences	20	30	30	30	30
Education					
Graduate Research	75	75	75	75	75
Internship	15	15	15	15	17
K-12	45	45	45	50	50
Science and technology	10	10	15	15	15
Summer programs	10	12	12	12	13
Outreach					
Outreach activities	10	13	13	13	15
Booth display	10				
Inform Sub-Total	195	200	205	210	215

Other Programs

Research Program Manager	138	142	146	151	155
STC travel	10	10	12	12	15
Other Programs Sub-Total	148	152	158	163	170

Work Plan Budget-Total	978	957	988	1113	1035
Administrative overhead	245	239	247	278	259

Budgeted GRAND TOTAL	1223	1196	1235	1391	1294
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Revenue Sources

Estimated US Treasury Deposit	1000	1000	1001	1000	1000
Reserve Amount needed	223	196	234	391	294
Total funds available	1223	1196	1235	1391	1294

Estimated interest	1560	78	71	65	56	39
Program Reserve fund	1560	1,416	1,290	1,121	785	531
Total funds at end of year		1,494	1,361	1,185	841	570