

NSF 2012 Ship Operation Budget Snap Shot April RVOOC Meeting

Rose Dufour



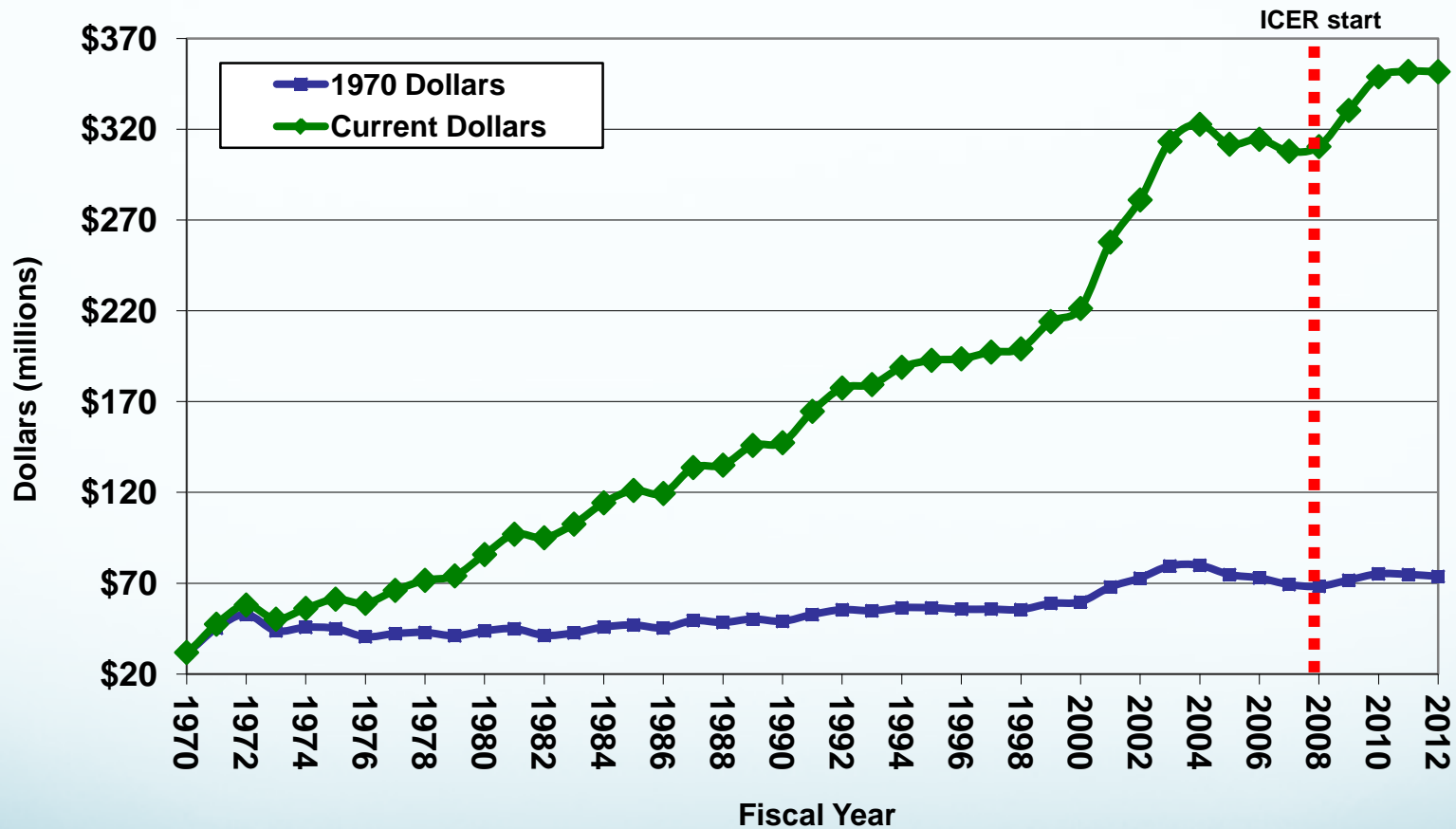
National Science Foundation
WHERE DISCOVERIES BEGIN



2012 NSF Budget News

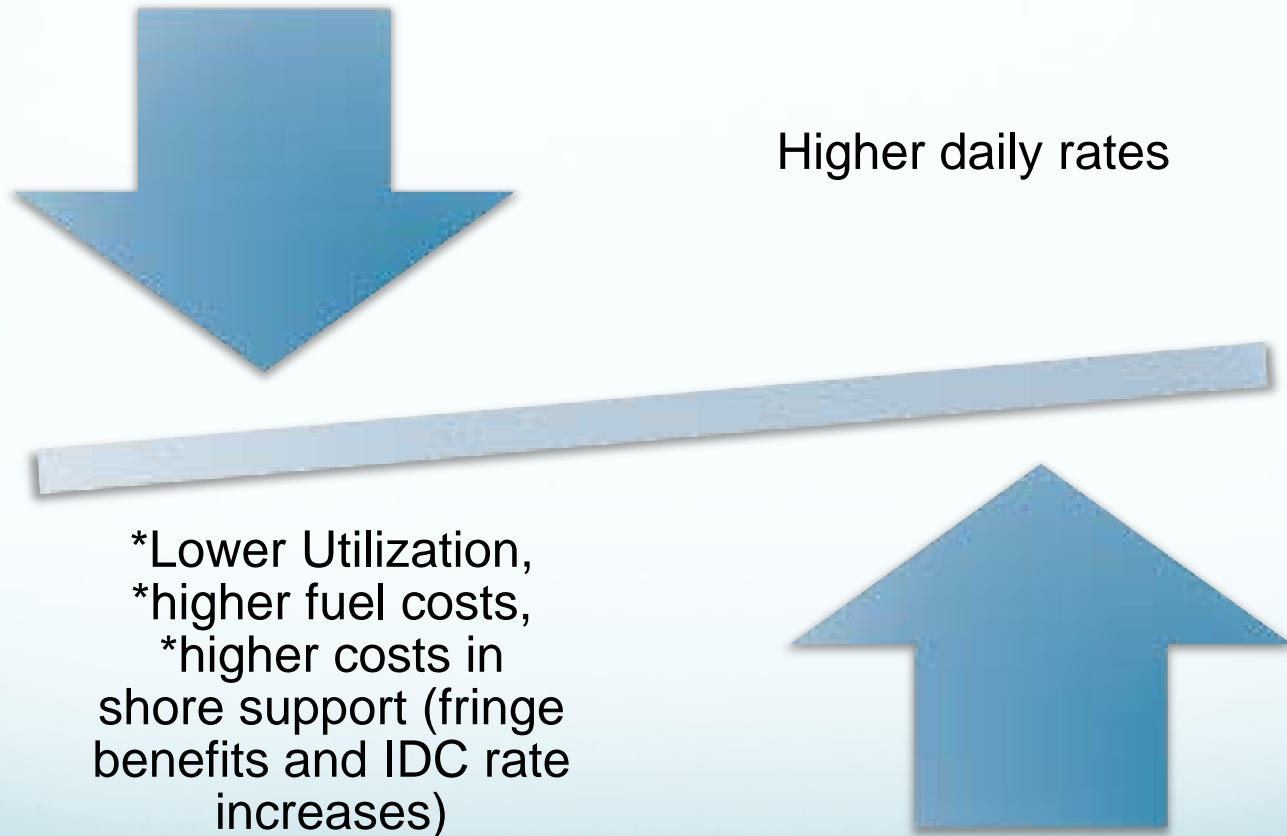
- Level Funding from 2011 for GEO/OCE
- Ship Costs increased from 2011 to 2012 by ~10%
- Total 2012 Ship Utilization currently at 3548 down from 3804.
- Ship Utilization by NSF remains high @ 2301 days, which represents an increase over 2011.
- Ship Utilization by other Federal Agencies dropped by ~281 days
- ARRA funds expended- not seeing the kind of carry-forward amounts that NSF saw in previous years

OCE Annual Budget





Facts contributing Higher Ship Costs



Higher than anticipated ship costs

Core program budgets will be cut in 2012 to cover ship obligations

Costly Repairs to aging ships

Lower usage by other federal agencies

Level funding within OCE

Less \$ to accommodate 2013 schedules

Less \$ in OCE core science

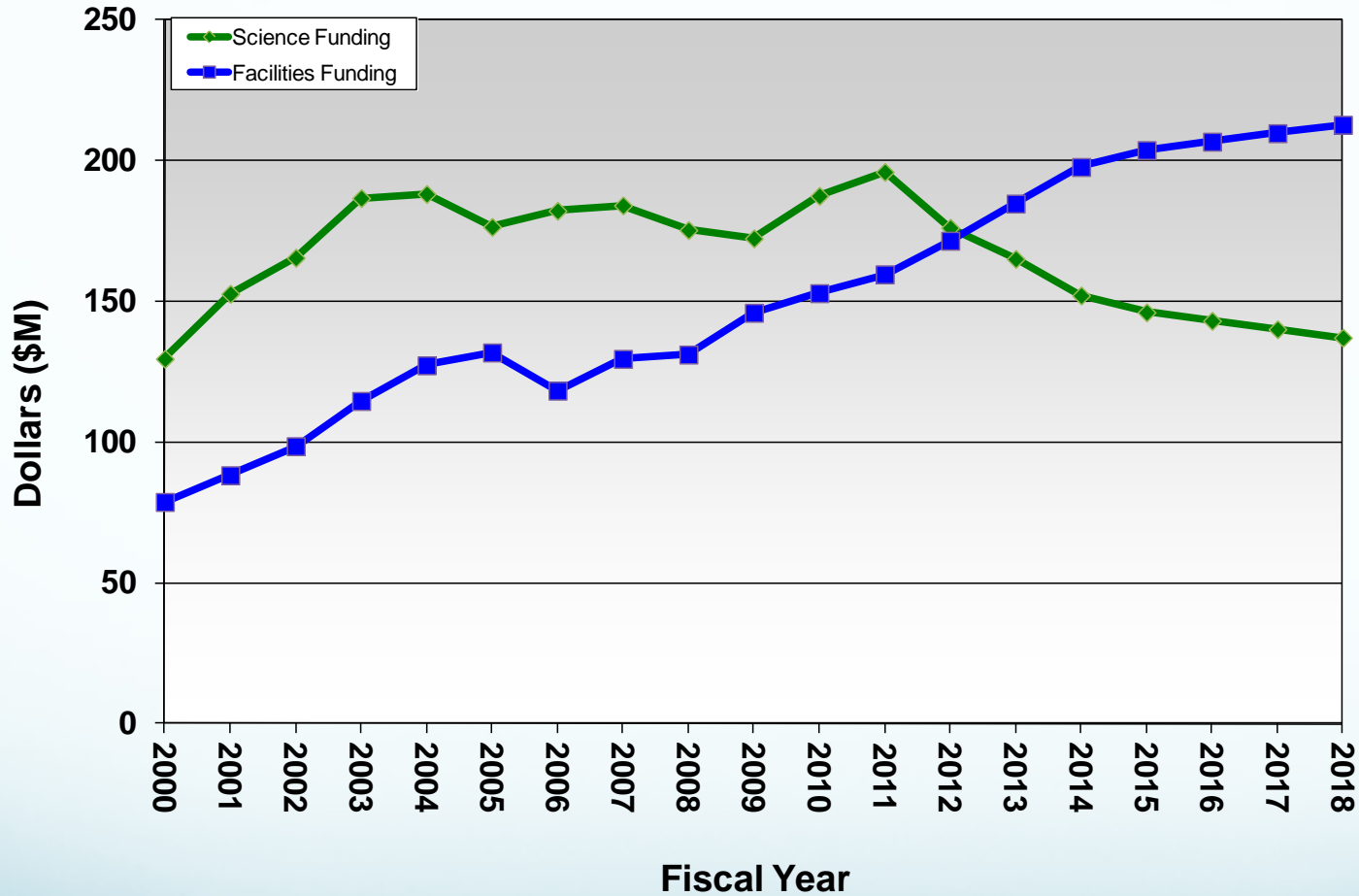


2012

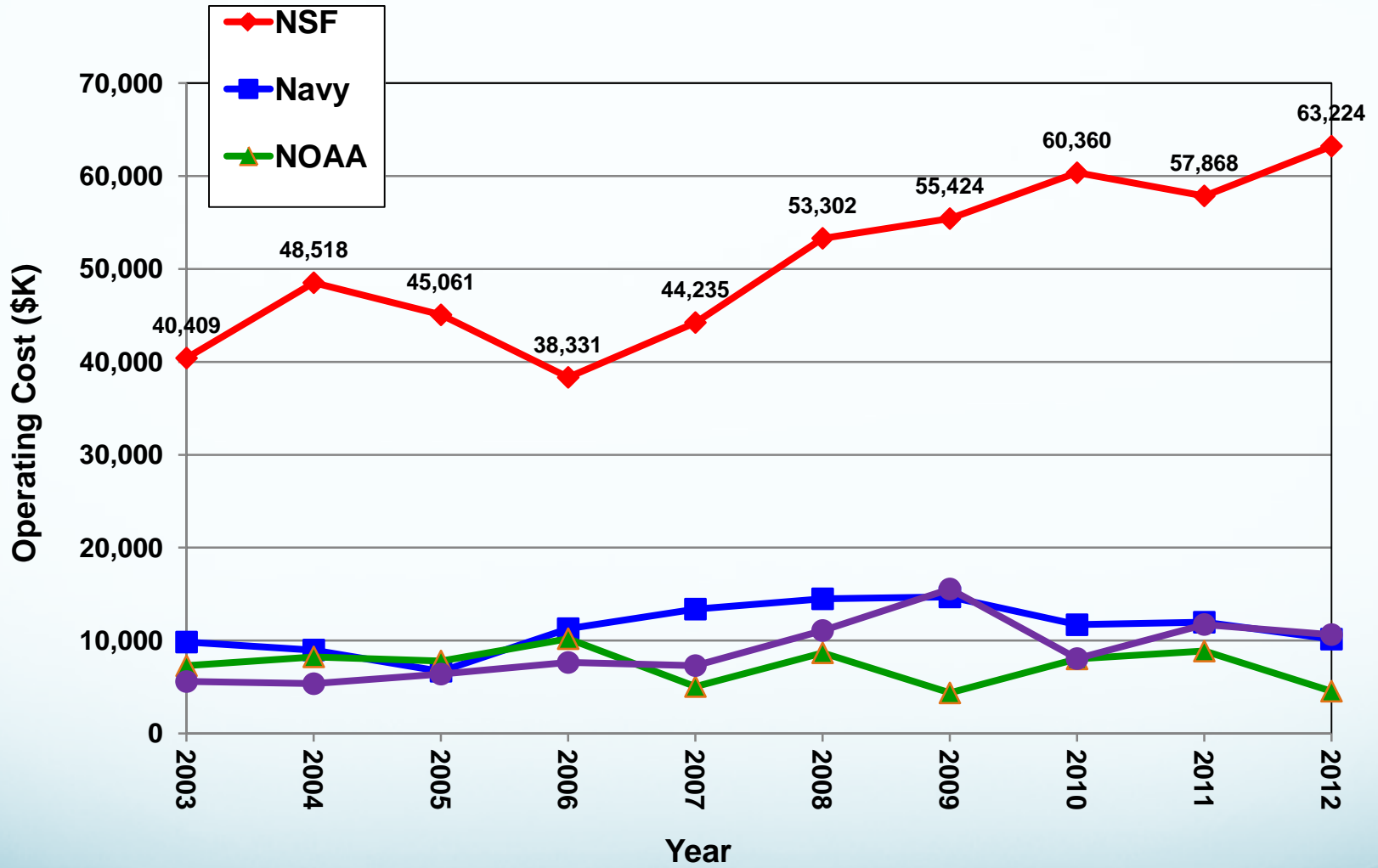
81% of Ship Ops for 2012 will support Global and Ocean Class vessels – for a total of days

- This is after we deferred Z. Johnson (30 days Global & 30 on KM), and Gaherty OBS recovery (21 days KM), approximate savings ~\$2.6M
- Shifted May Black cruise from Endeavor to AE- 12 days transit savings and ~\$200K
- Shifted D. Smith from Knorr to Atlantis- resulted in a few days savings.

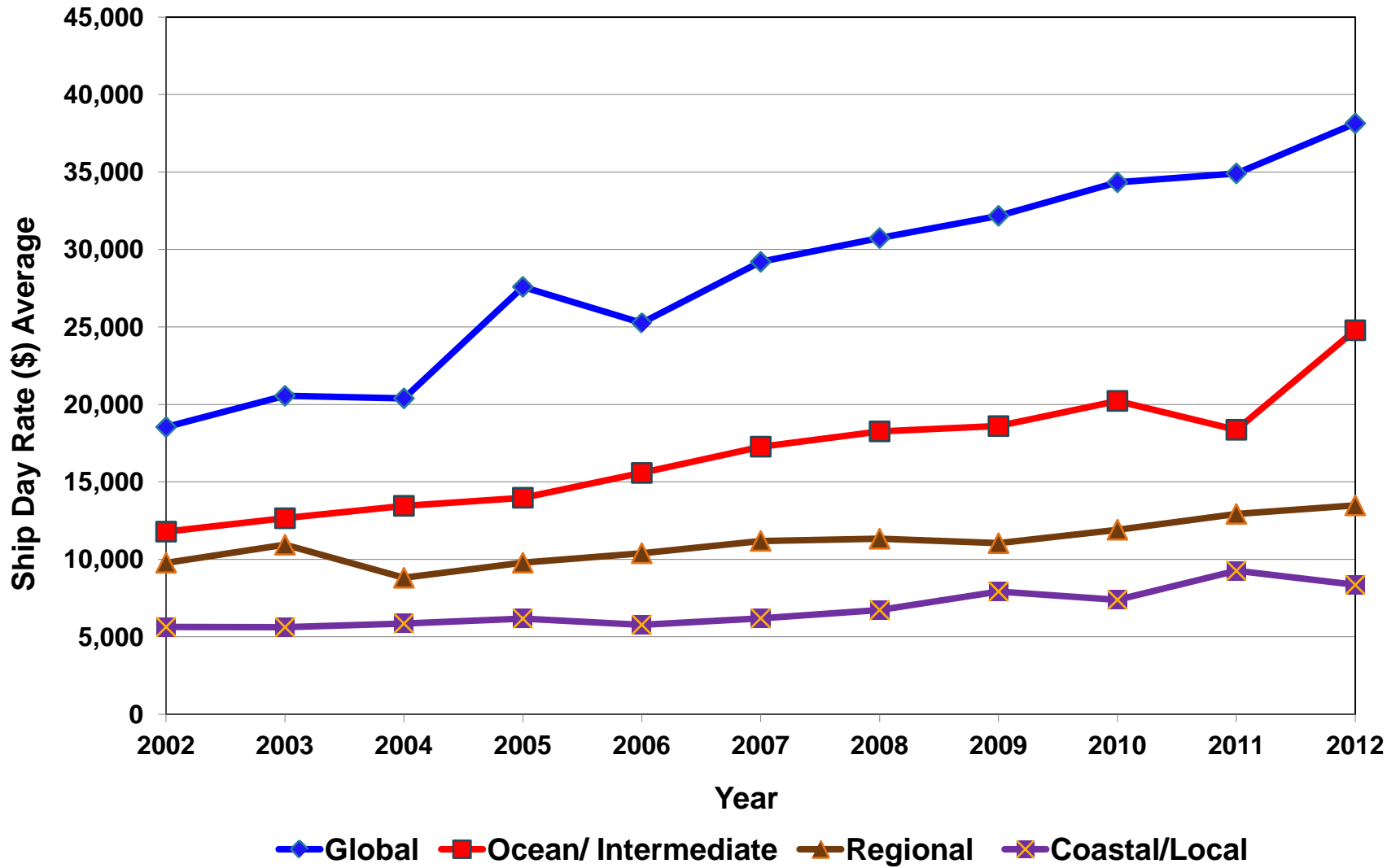
OCE Science vs Facilities Funding



Fleet Operating Cost by Agency 2003-2012*

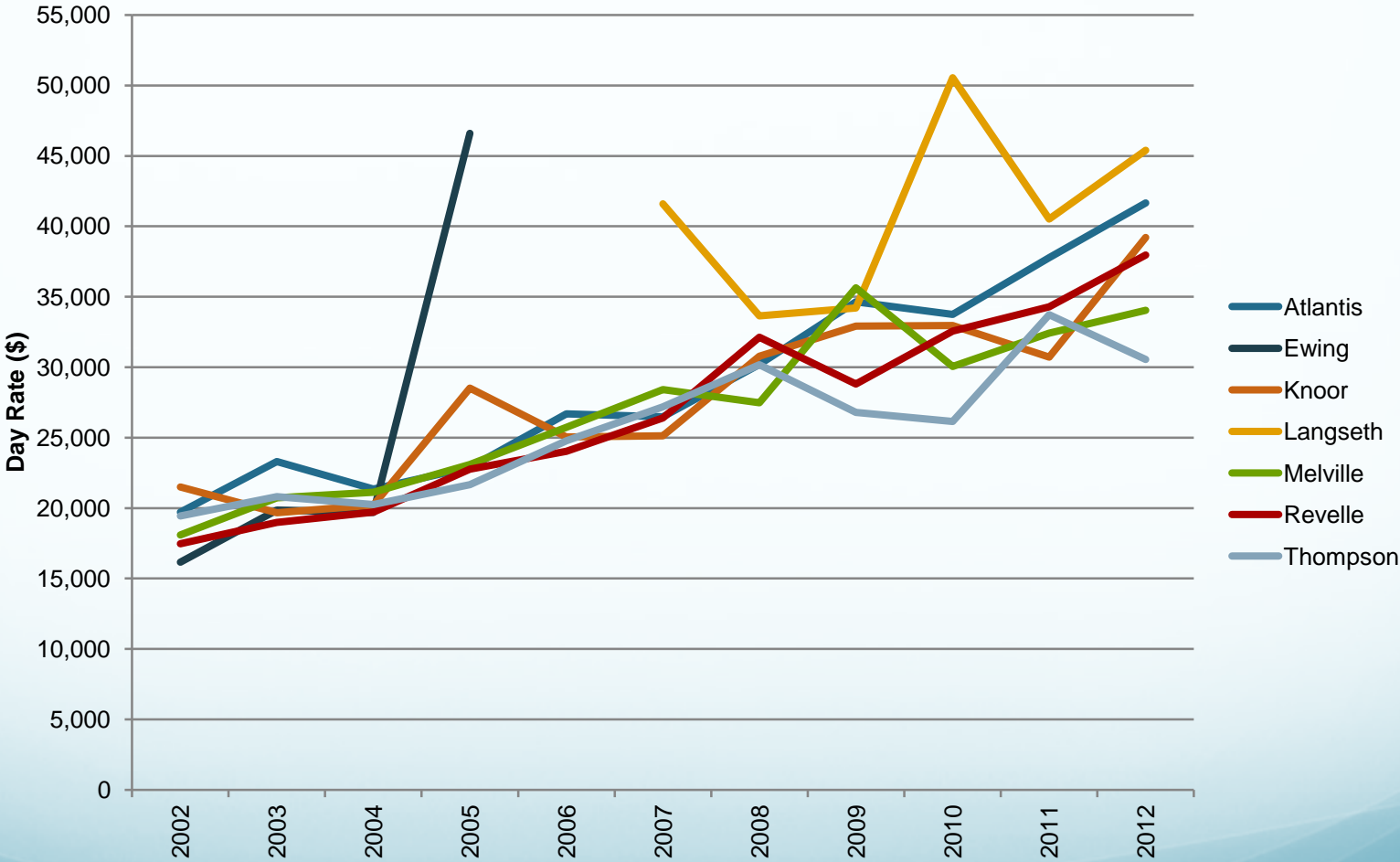


Average Day Rates by Class: 2002 - 2012*

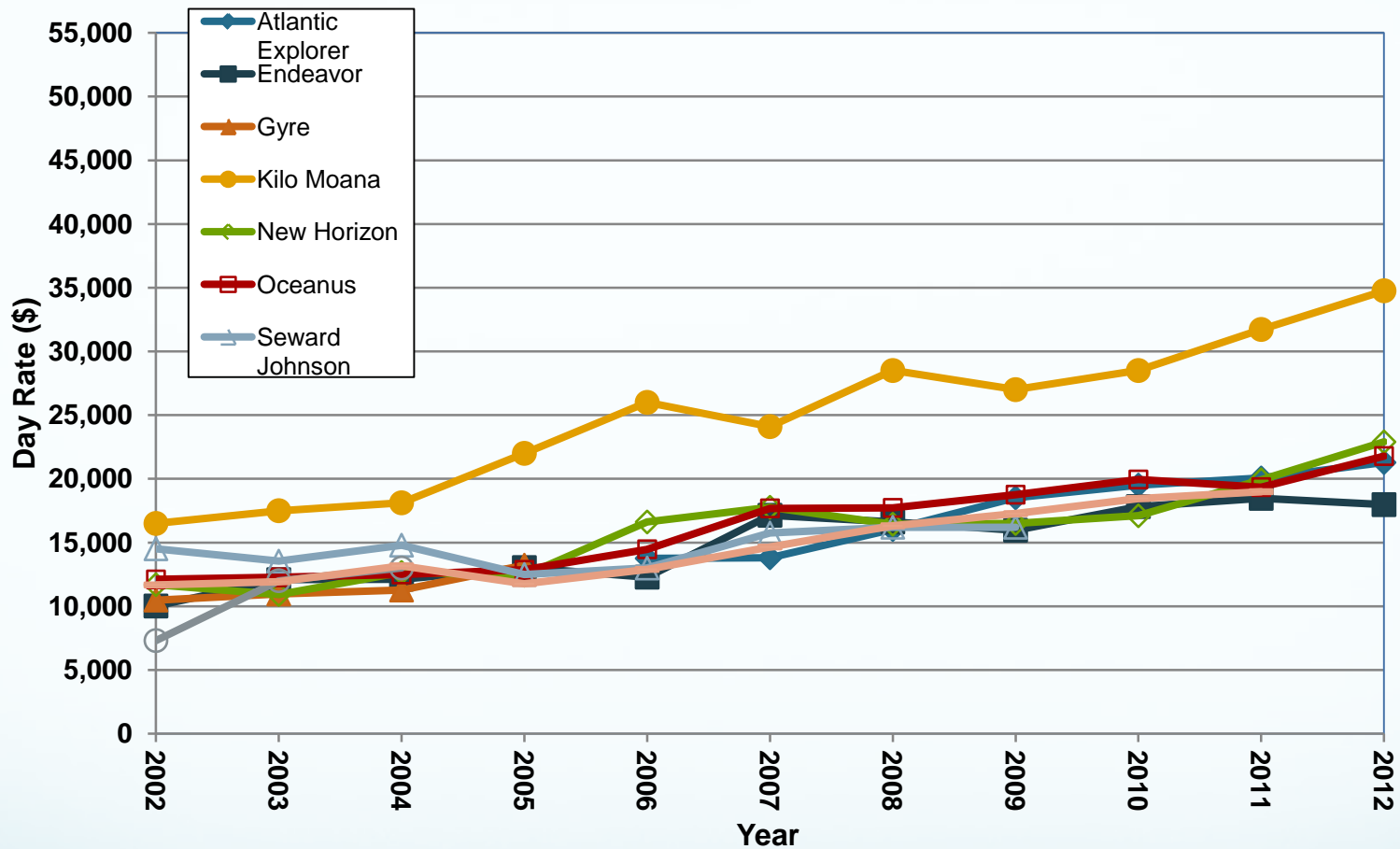


* FY 2012 is estimated

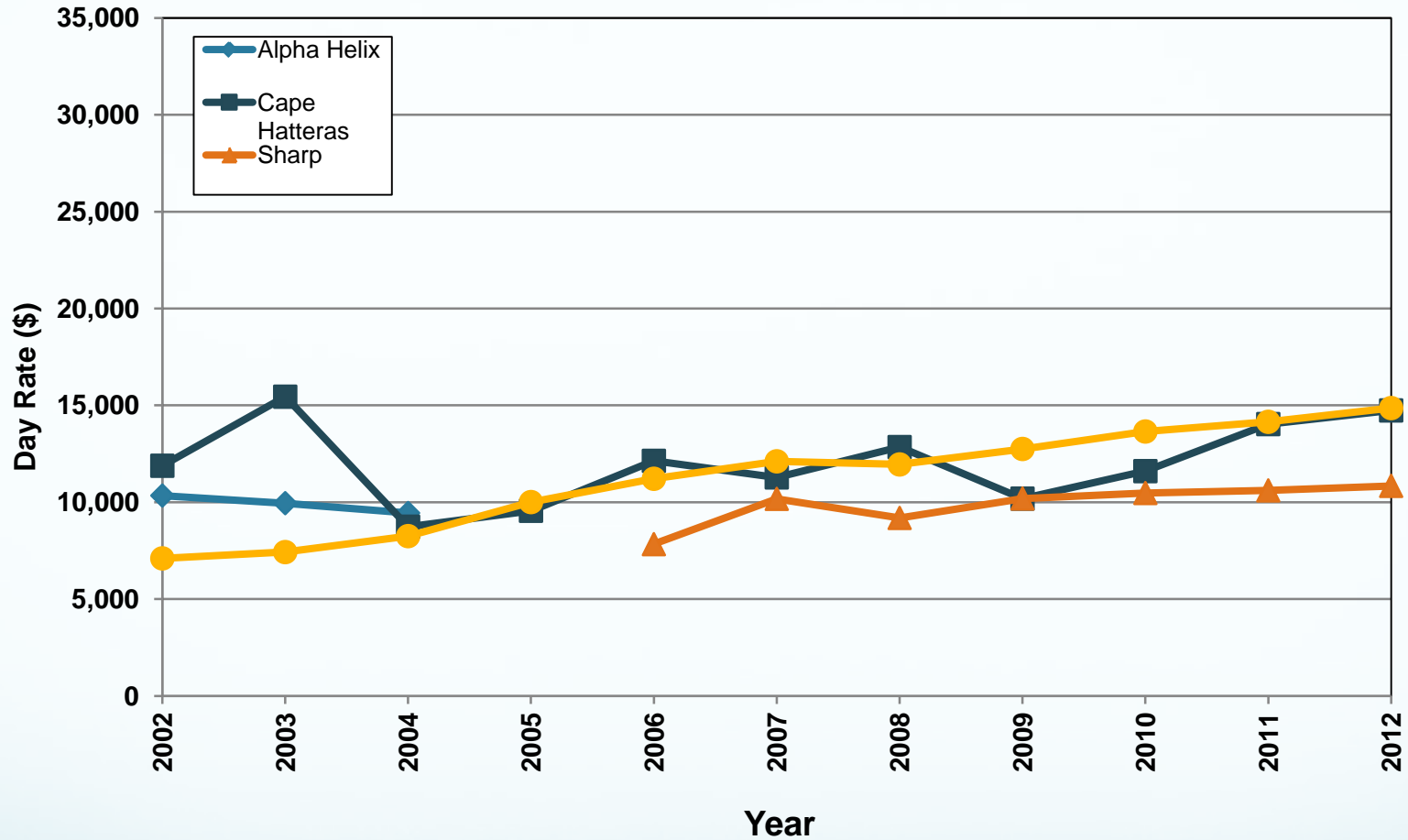
Global Ship Day Rates: 2002-2012



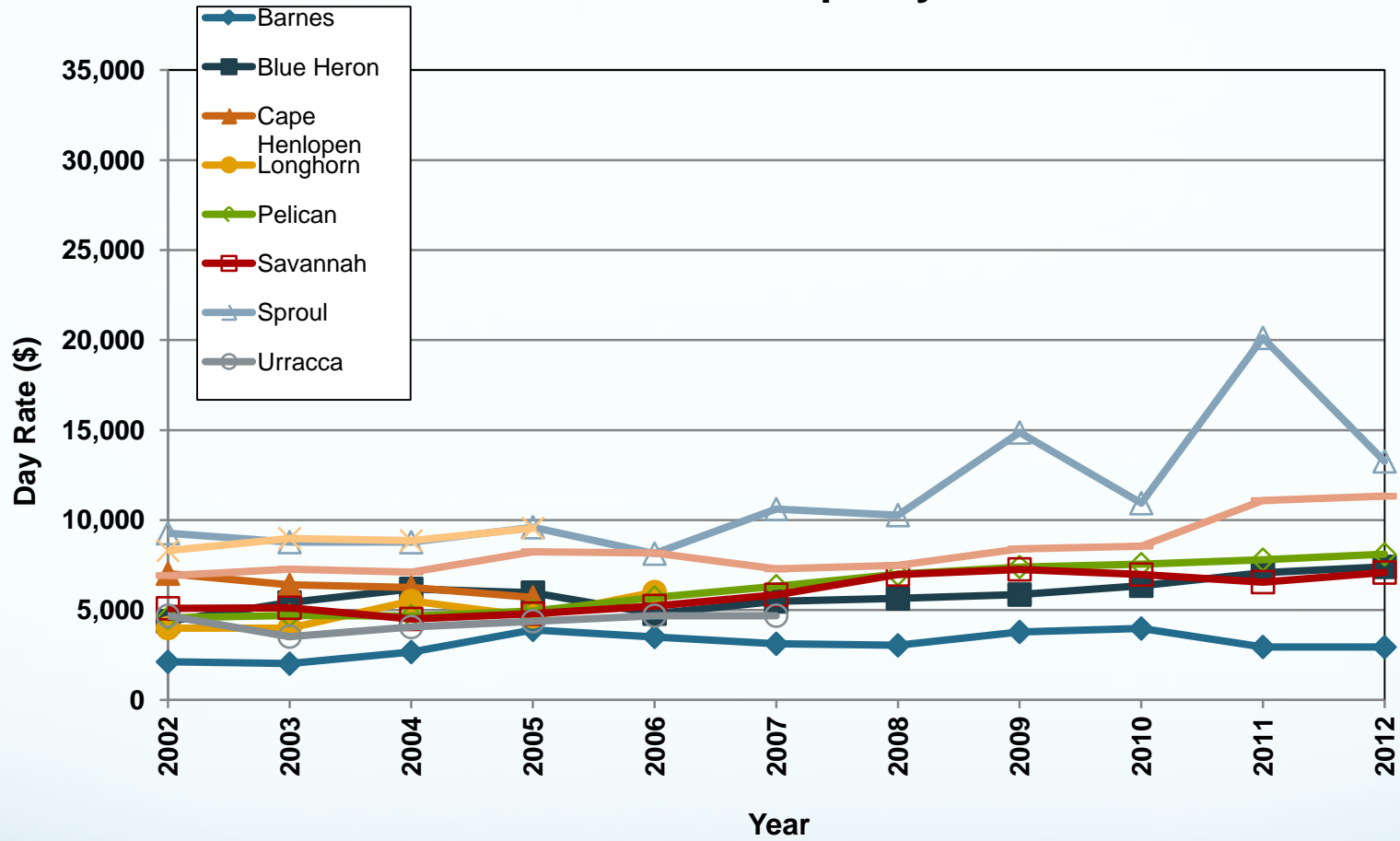
Ocean/IntermediateShip Day Rates



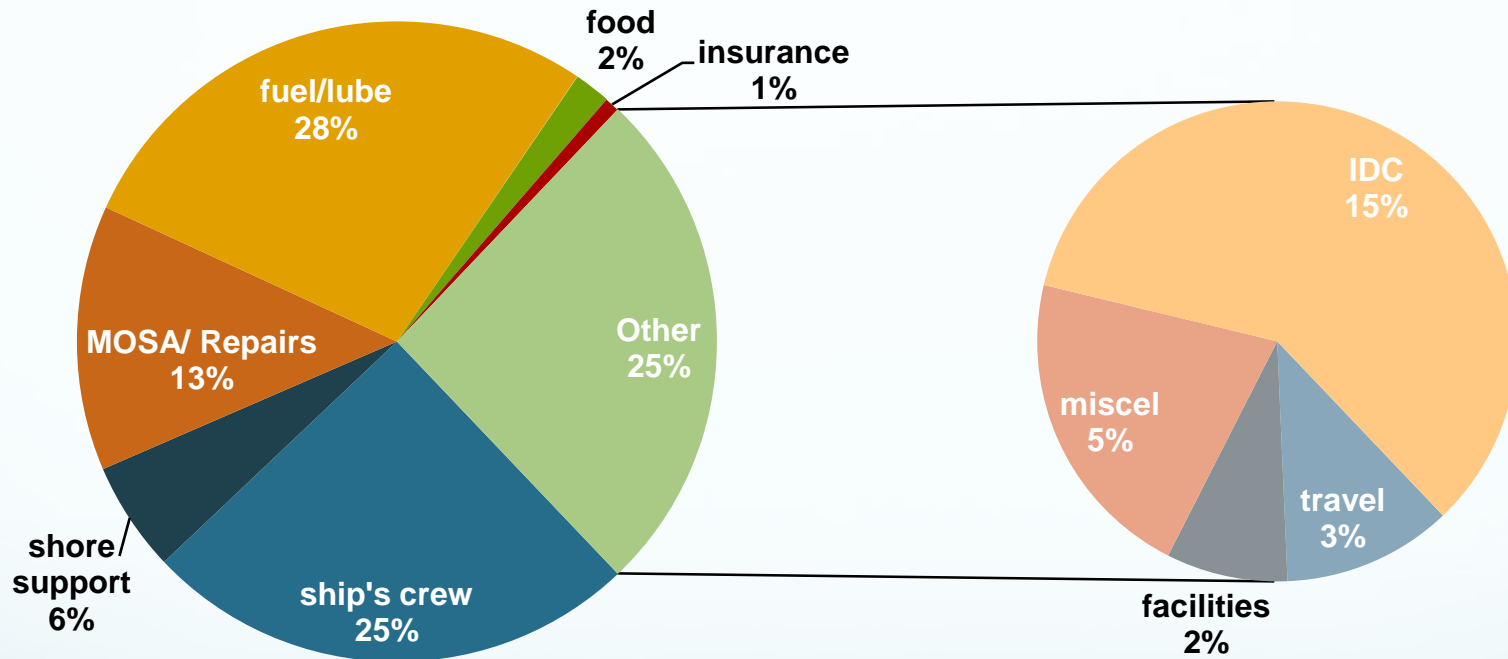
Regional Ship Day Rates



Coastal/Local Ship Day Rates



Ship Day Rate Break-down





2013

- What is in store for 2013. We are anticipating level funding with OCE/IPS
- The NSF funded work on the table amounts to just about 1207 days @ an estimated cost of \$48,391,817 (assumes a 5% increase not 10% as we saw in 2012).
- New NSF **Program Title:** Coastal-SEES will have \$2M set aside for ship operations. This does not come out of my budget. Target date for proposal submission January 15, 2013. Ship time would likely be for 2014.

Senate Appropriation Committee- Off the Press this morning

” The Committee’s fiscal year 2013 recommendation renews its support for Federal long-term basic research that has the potential to be transformative to our economy and our way of life in the context of a Federal budget that is shrinking. However, the Foundation has chosen, in its budget request, to prioritize new initiatives while cutting support for core, merit-based science grants and for scientific **infrastructure like ships** and facilities. The seven “OneNSF” framework priority activities have grown nearly fivefold from \$166,750,000 in fiscal year 2011 to \$807,100,000 in the fiscal year 2013 request. While the Committee supports these multi-disciplinary initiatives, it cannot do so by cutting NSF’s core programs.

The Committee directs that the \$100,000,000 reduction below the fiscal year 2013 request level for R&RA be taken from the proposed \$290,850,000 increases in OneNSF initiatives and not from core NSF program or infrastructure funding.”

*“Support for Academic Research Fleet.—At a time of rising costs for fuel and material, the Committee is concerned **about maintaining an adequate funding level for the Academic Research Fleet** and related research to ensure vessels are properly maintained and effectively utilized. The Committee supports the full budget request level for Regional Class Research Vessels but is concerned this amount may not be adequate to support needed design work for planned acquisition of three regional class vessels.”*



Regional Class Research Vessel (RCRV)

RVOC April 2012

Solicitation Language:

“Incorporate commercially-available “Green Ship” technologies to the maximum extent practicable without significantly impacting the cost of construction or the vessel’s daily rate. Particular attention should be placed on alternate fuels and propulsion.”



Regional Class Research Vessel (RCRV)

RVOC – April 2012

- The RCRV project has been approved by NSF for advancement to the Conceptual Design Review phase as a candidate Major Research Equipment and Facilities Construction project (MREFC) .
- The solicitation for design and construction of this 3-ship program is now moving through internal NSF clearance.
- Release to the community is anticipated by the end of April 2012 with proposals due in September 2012.
- The number of vessels actually built is contingent on availability of funding and projected science utilization.