R/V Barnes Replacement

University of Washington
Project Status

• Design process continues
  – Contract awarded to Jensen Maritime Consultants for contract design
  – Finished Phase 1 of design
    • 3 Design Reviews with the Science Oversight Committee
    • Mock ups of working deck & labs facilitated discussions and decisions
    • Major decisions made regarding: vessel size, basic General Arrangements incl. Lab Space layout & winches / wires, added a centerboard, basic propulsion configuration, fisheries research capabilities incorporated
  – Moving into Phase 2
    • Finalize details of General Arrangements
    • Finalize engineering studies and technical specifications
  – Finish design process this summer
Funding Status

• UW commitment of $1.5M – funding the design process

• Formal UW request to the State Legislature for 2015-2017 funding for construction
  – Outlook not good for receiving funding this legislative session based on recent meetings with legislators / staffers

• Private funding: process continues to seek private funding
  – Met with several potential donors
  – Planning several short local cruises next month to make additional donors aware of the need
What’s Next?

• Need to begin discussion of what to do if not funded in 2015
  – Local class research vessel still needed for Pacific Northwest
  – Barnes, although it continues to successfully support science and academics, is not capable enough to meet the real needs of today’s and tomorrow’s science
  – Barnes continues to age – in good shape today but always the concern about what happens if there is a major equipment or system casualty
  – UW desires to continue operating Barnes until a replacement vessel is constructed

• Engage with FIC / NSF to determine guidance for proceeding ahead
New Vessel Timeline

This is our desired timeline but the current funding status has this doubtful
Updated General Arrangements

- 90-ft long, 27-feet wide, 9-foot draft
- Twin screw diesel electric propulsion with bow thruster
- Updated lab arrangements
- Centerboard for transducers
- Incubator space on 01 Deck
- Modified Mess Deck seating capacity
- ADA stateroom added
- CTD launch & recovery starboard side
- Knuckle crane port side
- A-frame
- 3 permanent winches (2 below deck, one 0-1 Deck CTD) installed plus portable winches (e.g., Trawl Winches) & Net Reel incorporated into design
Oceanography Configuration
Fisheries Research Configuration
Comparison
(old actual vs new concept)
Questions?

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