

Replacement HOV Project Status



Project History & Current Status

Replacement HOV

- **2003** National Research Council completes study: “Future Needs in Deep Submergence Science”
- **2004**
 - Proposal for Replacement HOV submitted to NSF
 - Proposal completes peer review
 - July: Replacement HOV Oversight Committee (RHOC) established and holds first meeting
 - August: NSF Cooperative Agreement completed and Phase I funding awarded
 - December: Request for Proposal for Personnel Sphere design and fabrication in review





National Science Foundation

Where discoveries begin!

MARGARET LEINEN
NSF

ARDEN BEMENT
NSF

ROBERT GAGOSIAN
WHOI



NATIONAL
SCIENCE
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A Federal Agency Promoting
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Replacement HOV Oversight Committee (RHOC)

Composition – representatives from:

- Science community
- Submersible vehicle operators
- Submersible industry
- U.S. Navy - Naval Sea Systems Command (NAVSEA)

Charge

- Obtain community input and advice
- Provide advice on design and budget priorities
- Reports to National Science Foundation



Replacement HOV Oversight Committee (RHOC) Members

- **Karen Von Damm (Chair), University of New Hampshire**
- **Keir Becker, University of Miami**
- **Cindy Van Dover, The College of William and Mary**
- **Terry Kirby, Hawaii Undersea Research Laboratory (HURL), University of Hawaii**
- **Ed Mellinger, Monterey Bay Aquarium and Research Institute (MBARI)**
- **William Kohnen, SEAmagine Hydrospace Corporation**
- **John Leadmon, NAVSEA**
- **Matt McBride, NAVSEA**
- **Rick Thiel, NAVSEA**



More Information and Community Input

Replacement HOV

http://www.unols.org/committees/dessc/new_HOV/replacement_hov.html

- **Video**
- **Specifications**
- **Schedule**
- **Various background documents**
- **Press releases**
- **Photo gallery**
- **Provision for on-line comments and feedback**



Phased Approach

Replacement HOV

To address areas of higher risk, the project has been broken into two phases.

Phase One

- Design and forging of personnel sphere
- Feasibility testing for prospective energy system
- Qualification testing for syntactic buoyancy foam

Phase Two

- Completion of personnel sphere
- Design and fabrication of remaining vehicle





Construction Schedule for Replacement HOV

12/03/04



