

**Engineering & Technology
Industry Council
COP Update**

Biennium 2007-2009

**Maseeh College of Engineering and
Computer Science**

Portland State University

July 2009

DRAFT

Overview

- PSU received \$2.3M in COP authorization for lab renovation and equipment
- COP were sold in three installments: PSU participated in two sales
 - October 2007 - \$702,400
 - May 2008 - \$0
 - April 2009– \$1,597,600
- Breakdown
 - \$1,481,400 in lab build-out and renovation
 - \$818,600 in equipment

Examples of Equipment

- Closed-Return Wind Tunnel
- State of the art, three dimensional Particle Image Velocimetry (PIV)
- Hydraulics flume
- Instructional pipe network system
- Microfluidics Analysis System
- Tensiometer
- Digital controller
- Acoustic velocity meter

Examples of New Lab Space and Upgrades to Existing Labs

- Electrical and Computer Engineering Capstone Lab
- Electromagnetics, Acoustics & Optics Experimentation Laboratory for undergraduate education
- Northwest Electromagnetics and Acoustics Research laboratory (NEAR-Lab) Sonar Measurement Facility
- NEAR-Lab Terahertz Research Facility
- Hardware Emulation Lab
- Daimler Trucks of North America Fluid Mechanics Lab
- Intel Capstone Lab – Computer Science Department
- Open Source Lab
- Multiplex Lab
- Forensics Lab
- Measurement and Discovery Lab