

# Tier One Proposal

College of Engineering and Computer  
Science

Portland State University

December 12, 2001



# Vision & Strategy

- ✦ To be the university of choice in the Northwest for quality engineering education and research in partnership with regional industry and governments
- ✦ Research Spires
  - Regionally relevant, nationally prominent
  - Build on strengths



# Aspirational Peers

- ✦ Five universities selected
  - In metropolitan areas
  - In industry centers
  - Multiple engineering programs in state
  - Similar development path to PSU
  - Further along development path than PSU



# Aspirational Peers (cont.)

- ✦ Arizona State University
- ✦ University of Illinois at Chicago
- ✦ University of Texas at Arlington
- ✦ Wichita State University
- ✦ University of Virginia



# Metrics

- ✦ Match investment 1-1
- ✦ FY2002 – labs completed:
  - IC Design & Test
  - Electron Microscope Lab
- ✦ FY2003 – labs completed:
  - Microscale Flow and Heat Transfer
  - Intelligent Transportation Systems
  - Wireless Network
  - PSU/OHSU/OGI Collaborative

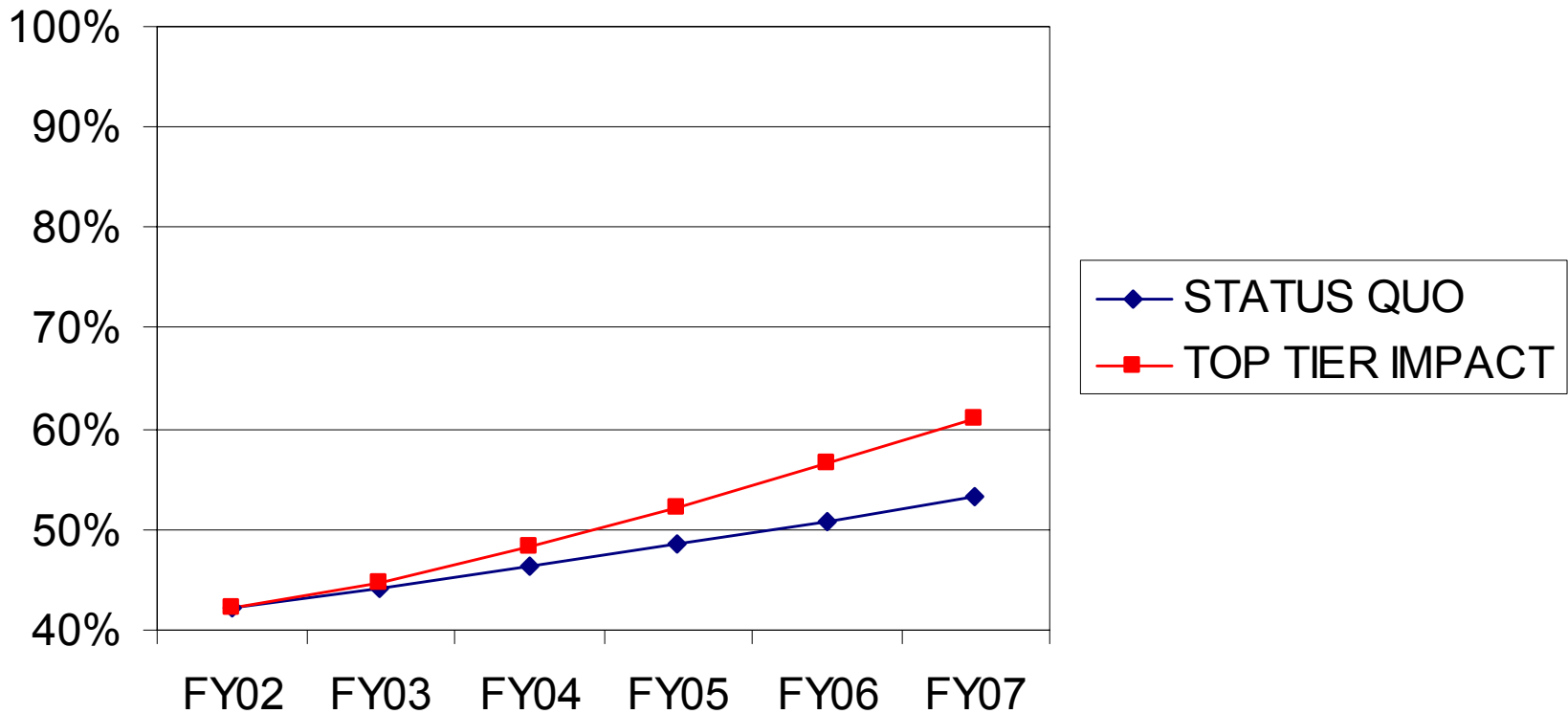


# Metrics (continued)

- ✦ Increased research volume
  - per faculty FTE
  - Target minimum in peer group
- ✦ With no investment, at 53% in FY07
- ✦ With investment, at 61% in FY07



# PSU CECS SPONSORED PROJECT VOLUME PER FACULTY FTE RELATIVE TO TARGET



# Projects

- ✦ IC Design and Test Laboratory Upgrade \$100K
- ✦ STEM (Electron Microscope) Lab \$200K
- ✦ Wireless Network (PSU/OHSU/OPB) \$215K
- ✦ Microscale Flow and Heat Transfer Lab \$263K
- ✦ Intelligent Transportation Systems Lab \$100K
- ✦ PSU/OHSU/OGI Collaborative Lab \$100K

TOTAL \$978K

