ESCO PROJECT

Energy Savings Proposal for Self-Funding Facility Improvements
WHAT IS AN ESCO?

- **Energy Service COmpany**
- Provides energy systems audit and recommendations
- Coordinates with utilities for rebates/incentives
- Manages project installation and contractors
- Paid upon project completion
- Guarantees estimated energy savings for 2-3 years
PROJECT INCLUDES:

- Campus lighting replacement (Alderwood, Seaview, TUB)
- Adjustable frequency drives on broken chiller compressor
- Repair outdoor air dampers (Lynnwood)
- Direct Digital Controls (DDC), Brier HVAC
- Central plant condensing boilers
- Optimize central plant chilled water
- Migrate server room to virtual servers
GOALS & VALUES

- Reduce energy costs ongoing
- Address high priority facility needs
- Maximize systems life and reliability
- Maximize energy conservation incentives (SnoPUD/PSE)
- Presidents Climate Commitment
- Greenhouse Gas Audit, baseline for future planning
- 100% self-funding package
$2.007 million total project cost

- less $550k in utility incentives/rebates

= $1.5 million COP with 10-year payback

- 15 year lifecycle benefit (net) of > $1.5 million

- Annual utility cost reduction of > $120k

- Resolve financial risk of old failing systems
Reviewed by G.A. engineer and recommended

Highly recommended by State Board

Olympic, Whatcom, Spokane all report positive results from similar projects

3% utility escalation rate is supported by DOE
- Project kicked off November 2nd
- Estimated 90 days to completion of all project phases