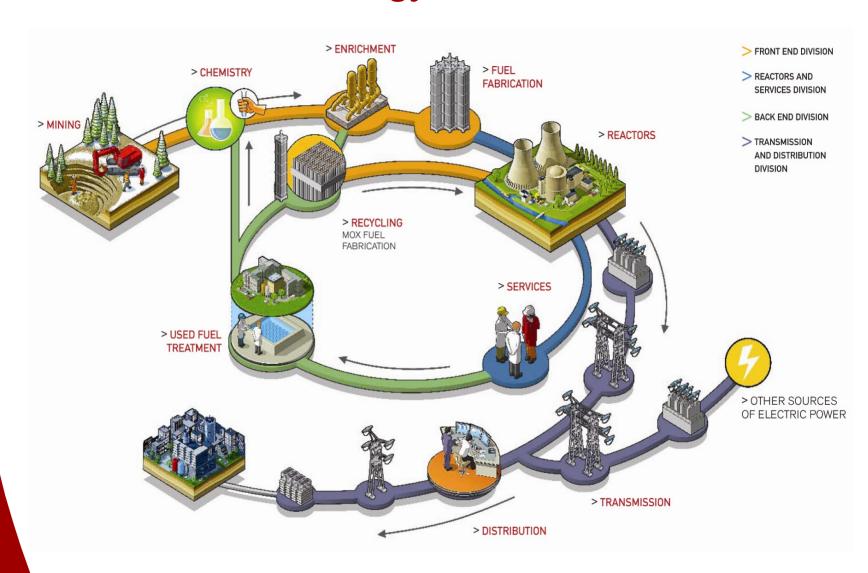


U.S. Nuclear Industry Life in the Fast Lane

Shirley Gill Waste Management Symposia February 26, 2007

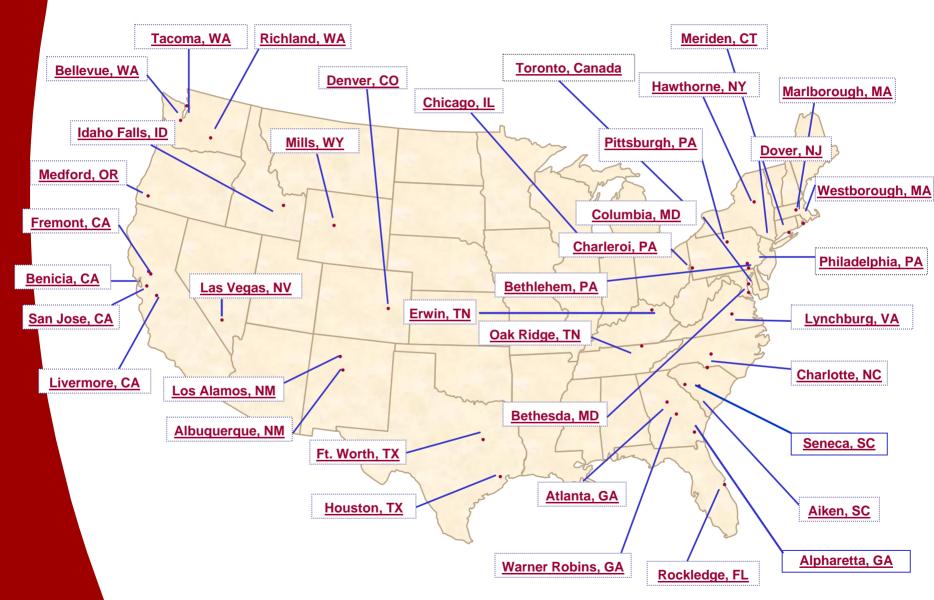


Energy: AREVA's Core Business





North American Locations





The Energy Highway

- U.S. is facing dramatic challenges in energy demands
 - Volatile fuel costs
 - Coal prices increased 57% in two years
 - Demand for natural gas expected to double in three years
 - Rising electricity prices
 - Electricity demand 3.3% last year higher than forecast
 - Rate shocks in 10 states this year
 - Need more energy generation
 - Increasing environmental obligations
 - Shortage of personnel

Energy Will Be a Key Issue in the Next Political Campaign



A Major Shortfall in Nuclear Industry Resources

- ▶ 40% attrition (next five years)
 - ~ 23,200 workers leaving
 - ~ 23% eligible for retirement NOW
- ► Ten-year demand for workers (to 2015) 90,000 workers
- Utility staffing must hire/train:
 - 1,400 radiation protection staff
 - 6,187 new craft workers next five years
 - 4,736 engineers
- ► Graduate and undergraduate engineering enrollment is up...is it enough?

Ten-Year Demand For Workers (to 2015) – 90,000 Workers



Prime Time Program

Foster a culture that recognizes and values the contributions and critical skills of prime time (age 50+) employees and facilitates their retention and recruitment in the workforce.

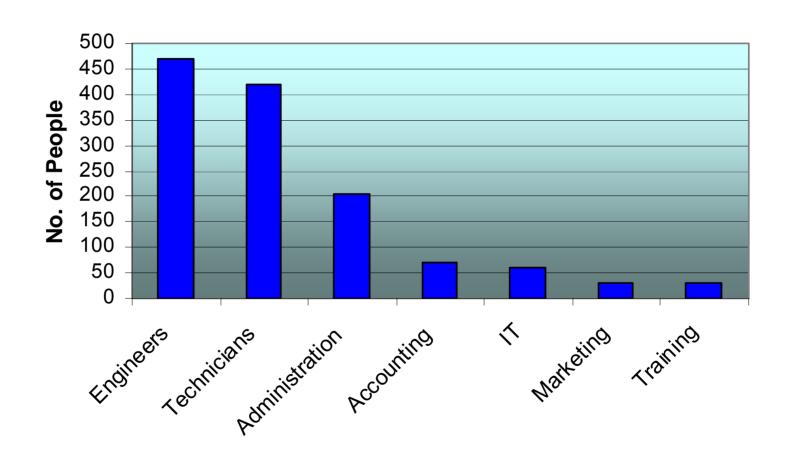
Focus areas:

- Human resources and management interface
- Health and welfare issues
- Social and workshop events
- Financial planning tools and information
- Knowledge sharing





Current AREVA NP Inc. Employee Base



2006 Breakdown



Types of Engineers Supporting EPR Projects

- Mechanical fluids, heat transfer, FEM
- > Civil soil interaction, earthquakes
- > Structural linear and non-linear analyses
- > Electrical design, diesel generators, one-lines
- > Electronics digital instrumentation and control
- > **Nuclear** neutronics, thermal/hydraulics
- > **Fire** nuclear fire safety
- Materials fatigue, stress, FEM
- Construction (just starting)

Olkiluoto 3 RV head manufacturing







AREVA Will Continue to Need New Employees

Current openings end of 2006 – 228

Total Full-Time Hires

	Dec. 2006	Total 2006
Internal Hires	8	225
External Hires	25	337
Total Hires	33	562





New Hires Needed by 2010 = 1000



What We're Doing to Attract New Employees

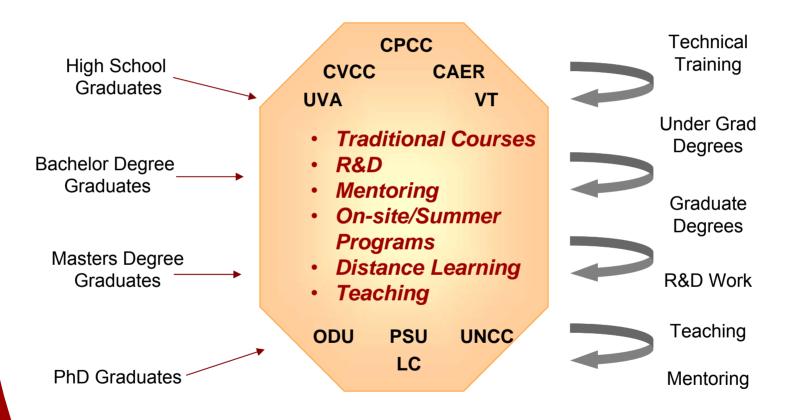
- Central Virginia Community College Joint Training Program
 - Established in 2002
- AREVA Technical Center
 - Local residents earn while they learn
 - Associate degree in nuclear technology
 - Features classroom and hands-on experience in our training center
- Junior Achievement
- First Robotics Competition
- Partners in Education
- CVGS Mentor Program
- Middle School Academy
- Explorer's Project





AREVA Virtual University

Provide access to educational opportunities for all levels of employees throughout their careers



New programs and partnerships enable increased recruitment and retention of technical/engineering talent



What We're Doing to Support Universities

- **▶** College Intern Program
 - 55 college students served as interns in 2006
 - 90% of those offered employment have accepted
- College Scholarships
 - AREVA Dependent Scholarships
 - UniStar Scholarship Program
 - Supporting students' Master's Program
- University Sponsorships
 - DOE Matching Grant
- University Projects
 - NERI
 - Center for Advanced Energy Studies
- ANS Student Conference Sponsor
- Dedicated University Recruiting Program





AREVA Invests in Technologically Advanced Facilities

BLEU facilities in Erwin, TN and	
Richland, WA	\$

\$57M

Recent fuel line upgrades

\$50M

AREVA Training Center

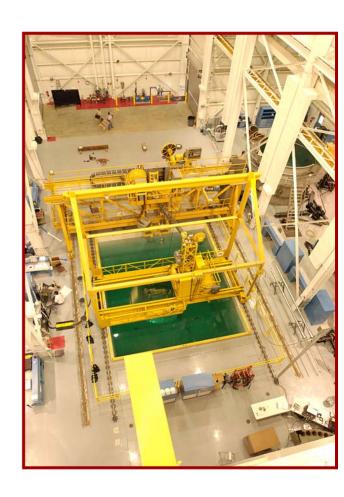
\$ 3.5M

Pump and Motor Center

\$12M

Heavy component manufacturing expansion

\$38.5M





AREVA: Developing New Technologies as Well as Growing the Industry for the Future



- Building an Evolutionary Pressurized Reactor (EPR) in Finland
 - Start second EPR in France in 2007
- Licensing US EPR NRC approval December 2008
- Rebuilding the US infrastructure
- Constructing mixed oxide (MOX) fuel facility in Savannah – AREVA and Shaw consortium
- Developing a high temperature reactor
- Developing an advanced burner reactor
- Recycling of Fuel in U.S. Global
 Nuclear Energy Partnership (GNEP)



In Summary – It's an Exciting and Challenging Time

- ► This is a critical time in the energy generation industry
- We face greater economic and environmental challenges than ever before
- Success depends on:
 - Creating exciting work
 - Approaching workforce issue creatively
 - Retaining institutional knowledge
 - Engaging a new generation of "employees"

Our Business Is Growing – Our Employees are Our Most Valued Asset





Working with Tomorrow's Leaders







Oak Ridge National Laboratory



PENNSTATE





