Energy Production
Education and Training

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Overview

• Energy Demand & Production
• The Future
  – Workforce
  – Education
Energy Consumption

Figure 12. World energy consumption, 1990-2035
(quadrillion Btu)

Organization for Economic Co-operation and Development (OECD) – U.S. EIA 2012
Energy Projections
2012-2030

- Moderate Growth
- Market Movement
- Demography
- Global Demand
School of Energy

Education and Industry-driven Collaboration
(to build)
Energy Production Education/Training Center
What We Do

• Partner with energy employers to address their training and labor needs.
• Design and offer training to enhance job skills and ensure safe work practices.
• Provide learning opportunities for individuals needing new skills to gain employment or advance in their jobs.
Programs Offered. . .

• School of Energy grants –
  – Associate of Applied Science
  • Natural Gas Compression
  • Petroleum Technology
  • Industrial Process Operations
  • Instrumentation and Controls
  • Occupational Safety
Invaluable Industry Partnerships

- Oil and Gas Producers
- Many Service Companies
- Two Power Plants
- Local, State & Federal agencies
- Community members
Recruitment - Training - Placement

SoE

- Safety
- Gas Compression
- Lease Operations
- Commercial Driver's License
- IPOP & Renewable Energy

Career Changers
Incumbent Workers
Entry Level Worker

San Juan College
Degree Programs

New Employment
Job Advancement
Quality Assurance

Advisory Committees

POP  Lease Operations

Natural Gas Comp  CDL  Safety
- Continuing Challenges -

• Recruitment and referrals of trainees

• Ongoing public information

• Staying responsive to the interests, needs and demands of the industry
Future

• Advanced Training

• New Programs
  – Low Carbon Emissions Technology

• Training and Education Consistency
San Juan College’s School of Energy will be:

• The premier model for energy training in the U.S.
• The training provider of choice for energy related employers in the region
School of Energy Center

- Centralize three locations onto San Juan College’s main campus.
- Majority of funding from private & industry donors.
- Energy industry is critical to San Juan County economy and significant important to the state and national economies.

*The new School of Energy Center would offer state-of-the-art training facilities for the Four Corners community – fulfilling a growing need for continued training for the energy industry.*
School of Energy Center

• 65,000 square feet of new construction that includes classrooms, laboratories and training facilities; offices for faculty and staff; and related support spaces.

• Centralize the School of Energy programs at San Juan College’s main campus

• Total Cost $15,600,000
www.sanjuancollege.edu

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Thank You