

**SAN JUAN COLLEGE**

School of Energy

# **Energy Production Education and Training**

Randy A. Pacheco

Dean, School of Energy



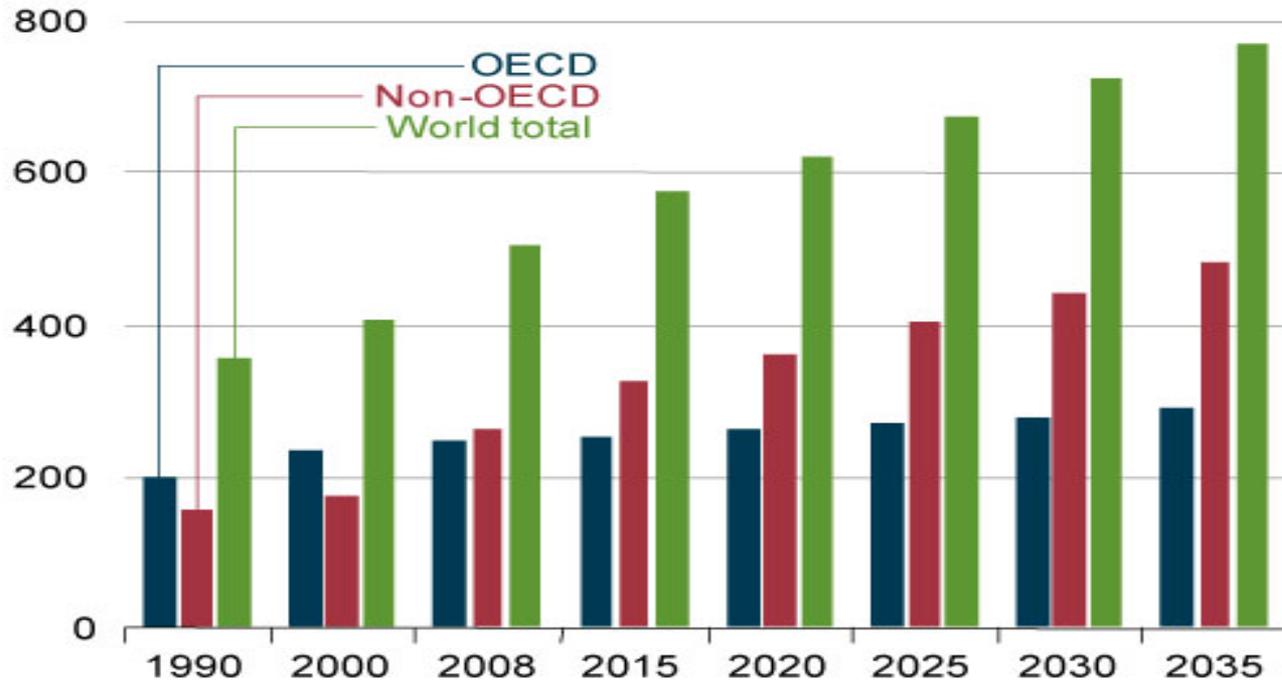
# Overview

- 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

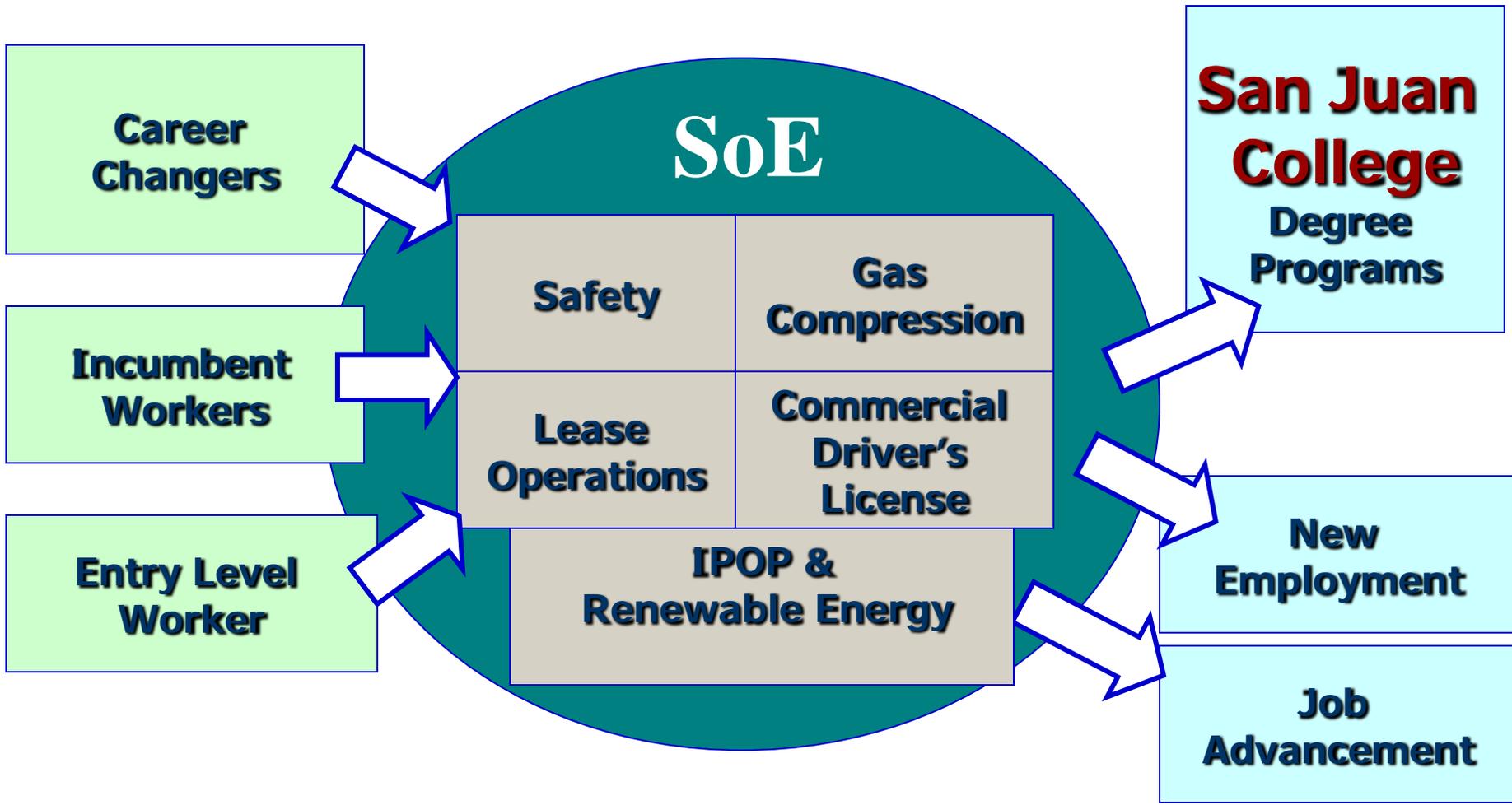


# Invaluable Industry Partnerships

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



# Recruitment - Training - Placement





# Quality Assurance

## Advisory Committees

**IPOP  
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



# Our Goal

## 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



# San Juan College



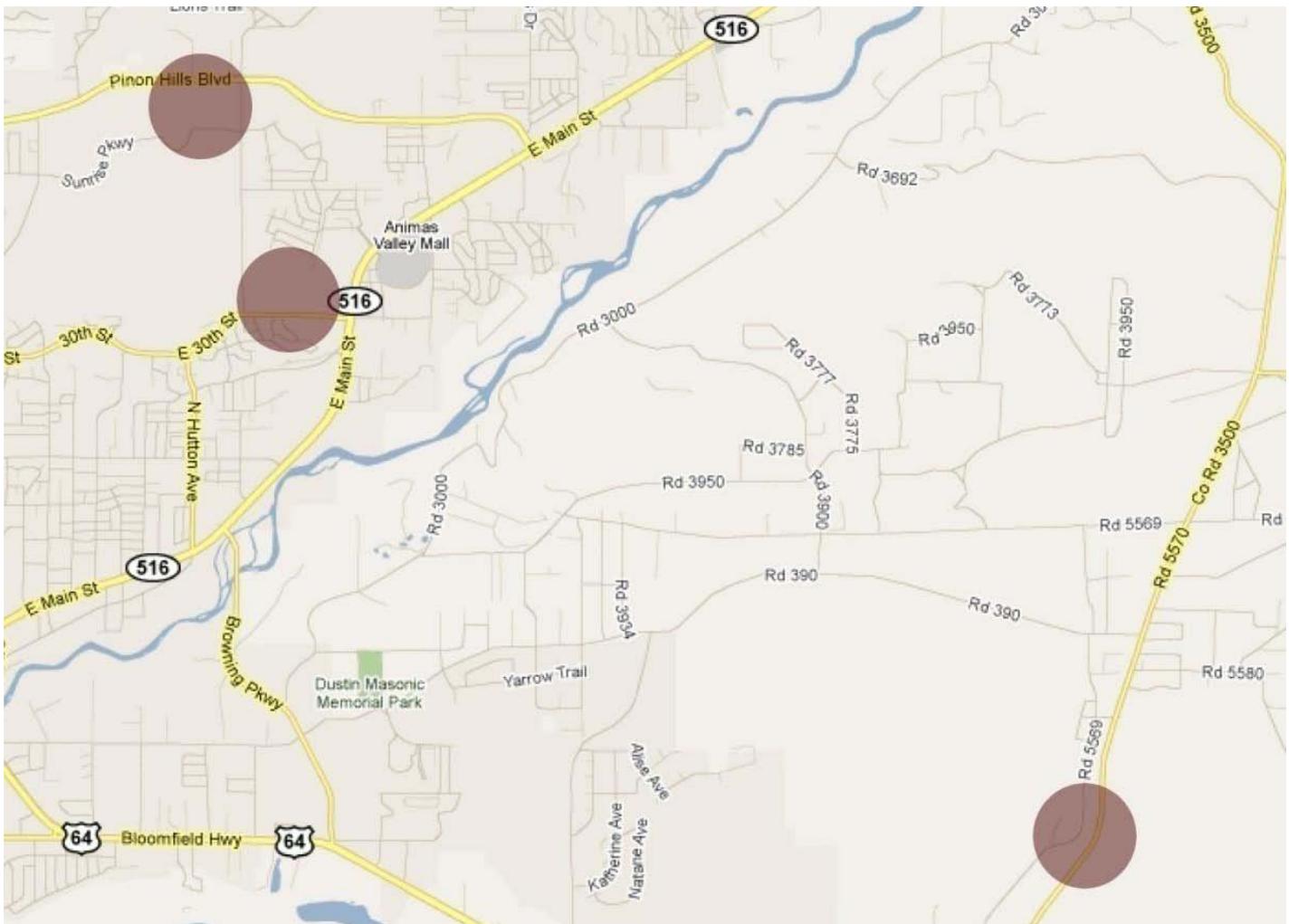




# School of Energy Center

- 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



# San Juan College



**School of Energy** **Farmington, NM**





# San Juan College



**School of Energy** **Farmington, NM**



# San Juan College





**San Juan College**



**[www.sanjuancollege.edu](http://www.sanjuancollege.edu)**

**505.327.5705**

**Thank You**