Change in Colorado Northwestern Coal Towns

Beyond Fossil Fuels Nov. 9, 2021
Coal Mining was first reported in Colorado in 1859.
Projections
**Colorado Coal Mines and Power Plants Map**

**Coal Mines**
1. Foidel Creek Mine
2. Trapper Strip Mine
3. Colowyo Mine
4. Deserado Mine
5. West Elk Mine
6. King II Mine

**Power Plants**
1. Hayden Station
2. Craig Station
3. Nucla Station (closed)
4. Comanche Station
5. Ray Nixon Power Plant
6. Martin Drake Power Plant
7. Pawnee Station
8. Rawhide Energy Station
## NW Colorado Coal Losses

<table>
<thead>
<tr>
<th>Region</th>
<th>Employment</th>
<th>Labor Income</th>
<th>Regional GDP</th>
<th>Total Output</th>
<th>Employment % of Total</th>
<th>Regional GDP % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moffat</td>
<td>1,398.47</td>
<td>$109,992,178</td>
<td>$321,187,590</td>
<td>$632,428,130</td>
<td>19.83%</td>
<td>46.99%</td>
</tr>
<tr>
<td>Routt</td>
<td>1,074.79</td>
<td>$85,801,045</td>
<td>$199,947,246</td>
<td>$355,846,027</td>
<td>4.54%</td>
<td>11.16%</td>
</tr>
<tr>
<td>Rio Blanco</td>
<td>389.21</td>
<td>$32,599,310</td>
<td>$100,298,726</td>
<td>$158,673,740</td>
<td>9.07%</td>
<td>26.06%</td>
</tr>
<tr>
<td>Total Effect</td>
<td>2,862.47</td>
<td>$228,392,533</td>
<td>$621,433,561</td>
<td>$1,146,947,896</td>
<td>8.18%</td>
<td>21.73%</td>
</tr>
</tbody>
</table>
• Climate Change & Pandemic
“Millions unemployed on the one hand, and rapidly evolving and growing skills needs on the other.”

= Educational Opportunity
The Mission

The mission of Colorado Northwestern Community College is to enhance people’s lives by providing an accessible, affordable, quality education.
“Envision an institution that better prepares students with the skills and knowledge to succeed and continuously grow in their chosen field by allowing students from both workforce and degree programs to seamlessly interface and transition across the other.”

”Improving Workforce Outcomes for Rural Community College Students” Social Finance, October 2020.
Four Pillars
21 Goals for 2021

**FOCUS ON THE STUDENT LEARNER**
- Grow non-credit online learning program
- Develop an apprenticeship program
- Offer free & low-cost community programs
- Innovate & test new programs
- Re-imagine study-travel programs

**COMMUNICATION**
- Grow social media reach
- Innovate direct communication
- Strategically leverage marketing
- Improve stakeholder engagement
- Measure marketing impact

**PARTNERSHIPS**
- Grow customized business contracts
- Develop agreements with higher ed partners
- Create Workforce Training Advisory Board
- Create apprenticeship partnerships
- Implement BEST softskills program

**SUSTAINABILITY**
- Stabilize and grow revenue
- Increase human capacity
- Grow talent
- Implement long-term planning
- Implement regular review and change process
Cybersecurity Pathway

High School Education

- 11th and 12th grades: Electives that will prepare students for college
- 10th and 11th grades: Email your counselor to discuss computer science and technology options
- Computer science and technology courses

Career Opportunities

- Entry wage: $10-$18 per hour
- Experience: $20 or more per hour
- Potential positions: Computer Science, Cybersecurity, Networking
- Learn more: MyColoradoJourney

Apprenticeships

- IT and Cybersecurity: Apprenticeships available
- Learn more: Apprenticeship Colorado

Apprenticeship Opportunity

- Network and System Administration Certificate
  - 3 credits hours
  - Core skills: Information technology, networking, cybersecurity

Cybersecurity A.A.S.

- 60 credit hours
- Entry wage: $12-$18 per hour
- Experience: $20 or more per hour
- Potential positions: Cybersecurity Analyst, Network Administrator
- Learn more: MyColoradoJourney

Bachelor of Science

- Information Systems Security: B.S. in Cybersecurity
- Learn more: MyColoradoJourney
Partnerships:
- Approved through ASHE 3003
- Partnership with Metropolitan State University
- Endorsed by American Dental Association
- Accredited through CACREP in Counseling
- National Park Ranger Academy
- Endorsed by the Tennessee Board of Nursing

Programs of Study
- Accounting
- Animal Science
- Anthropology
- Automotive Technology
- Aviation Maintenance Technology
- Aviation Technology Flight
- Biology
- Business
- Certified Nurse Aide
- Cosmetology and Esthetics
- Criminal Justice
- Cybersecurity
- Dental Hygiene
- Diesel Technology
- Early Childhood Education
- Economics
- Elementary Teacher Education
- Emergency Medical Services
- English
- Exercise Studies and Management
- French
- Geography
- History
- Marine Science and Oceanography
- Massage Therapy
- Math
- Medical Assisting
- Natural Park Ranger Law Enforcement Academy
- Nursing
- Paleontology
- Philosophy
- Psychology
- Spanish
- Studio Art

*The Classroom Therapeutic Program

Workforce Training Programs
Visit ed2go.com/ccc-workforce
- For a complete listing of our 6-week/2 month skills short courses.
Visit careertraining.ed2go.com/ccc-workforce
- For a complete listing of our 6, 12, and 18 month advanced career training programs.
Visit ccc.edu
- Check the Workforce & Community tab for additional business development, apprenticeships, and training courses.
Transition:

We are all working hard, together, to ensure our communities have choice and an equitable, just transition.