



Skilled Trades Industry Advisory for Career Technical Education

November 30, 2021



Welcome!
Director of College and Career
Readiness
Elaine Perea, PhD

Warm-up with History

- ☐ Do you know your history?
- ☐ Identify the historical era you see in the photos



WANTED
A DECENT
JOB

BY A DECENT MAN
AGE 37 - FAMILY
WAR VETERAN
PAYING ON HOME
COLLEGE TRAINED
NATIVE
CHICAGOAN
PURCHASING
ACCOUNTING
TRAFFIC
14th ILLINOIS CENTRAL
2nd U.S. STEEL CORP.
7132 GREENWOOD AVE

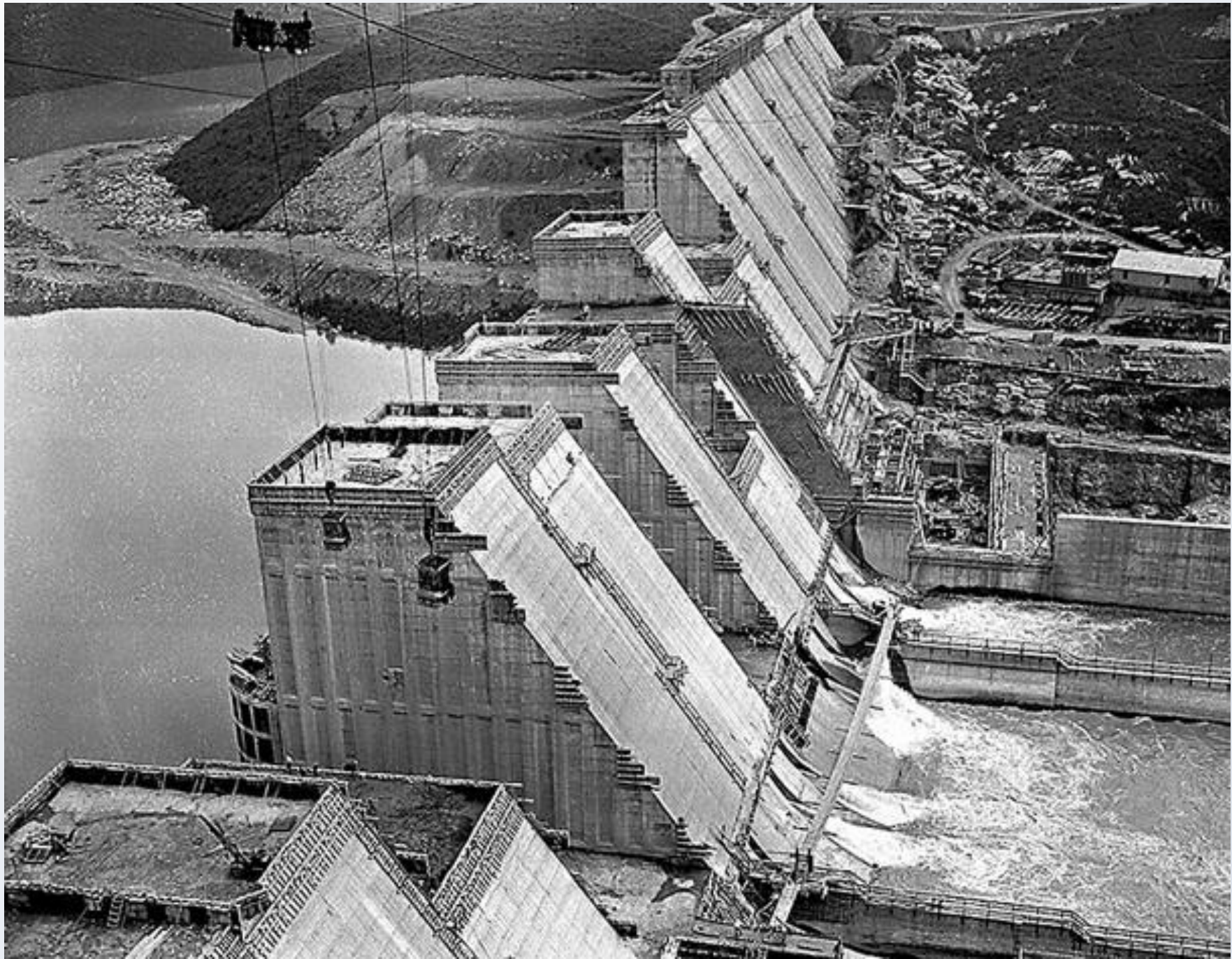
WANTED
A DECENT
JOB

FAMILY MAN
AGE 44
BEST REFERENCE
CLERICAL OR
MANUAL EXP-
3 YRS. Ford CO
ALMA CALADY

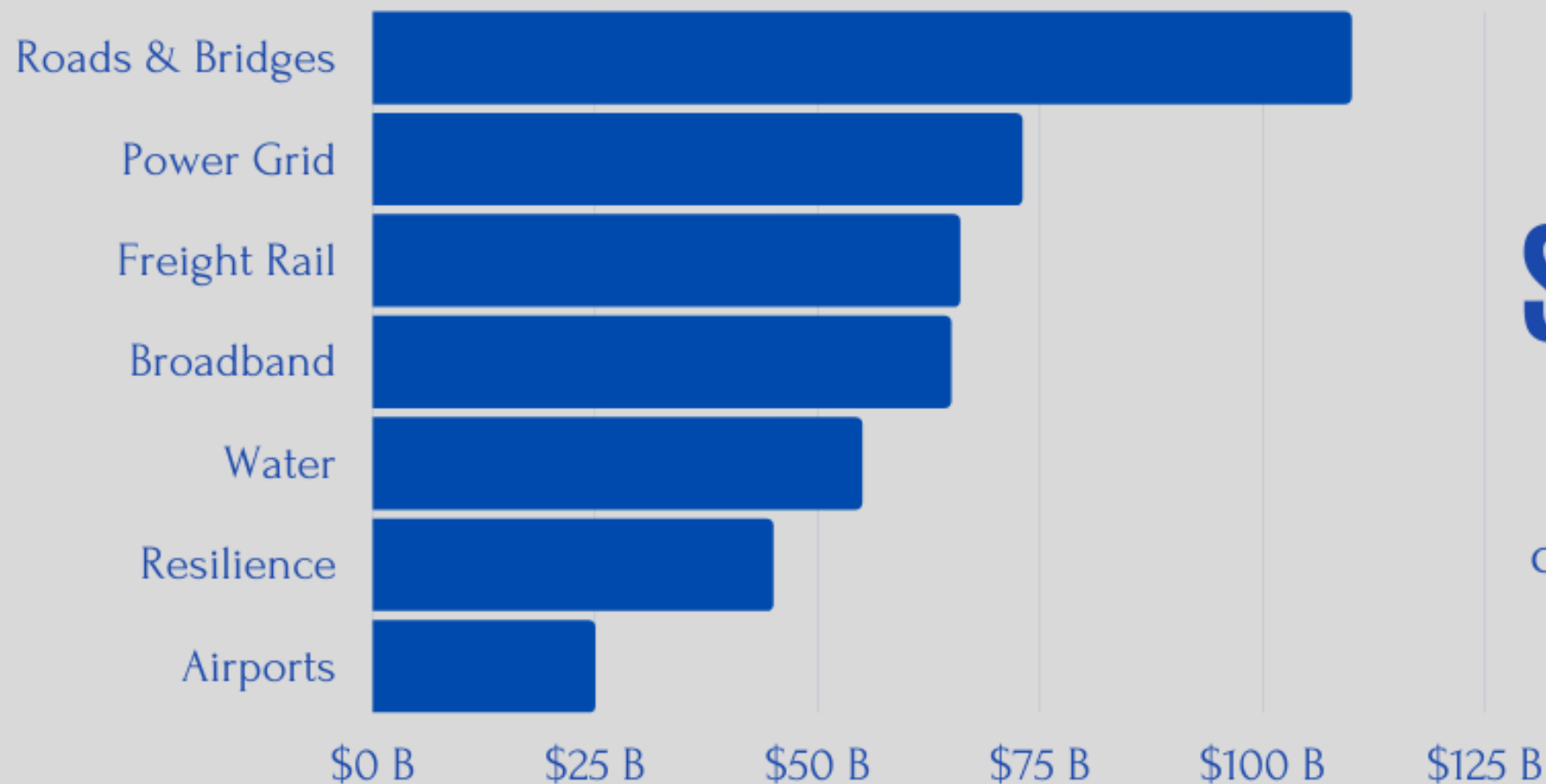








INFRASTRUCTURE BILL BREAKDOWN

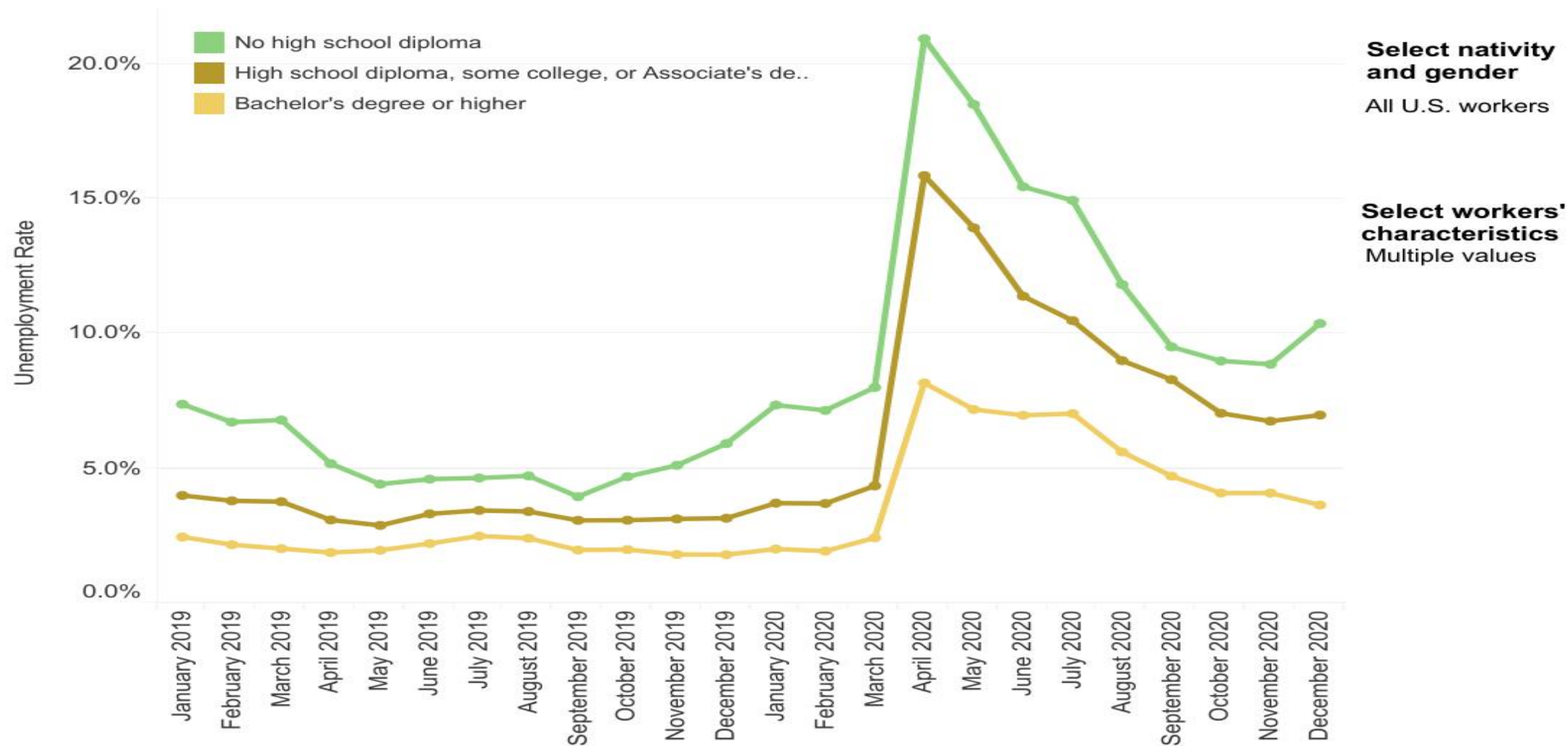


\$1.2T

In total
spending
over eight-
years.

U.S. Unemployment Rate by Race and Ethnicity, Educational Attainment, and Industry

January 2019 to December 2020

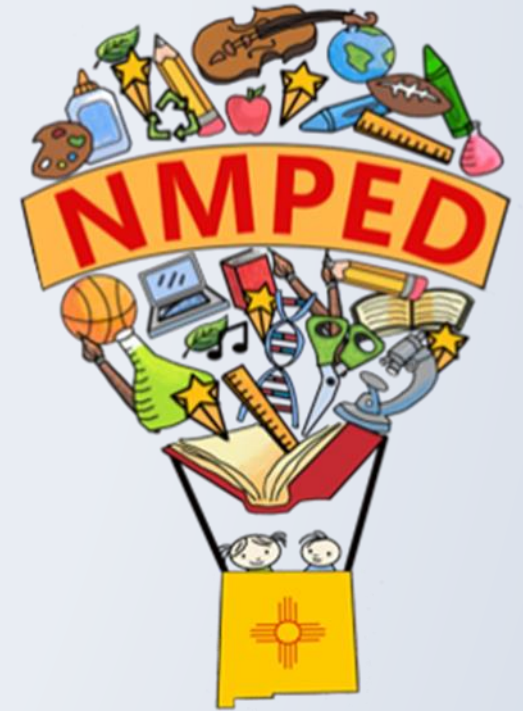


**What are your 3 biggest
employment needs right now?**

Team CCRB

- ☐ Elaine Perea
- ☐ Bobbi Eichhorst
- ☐ Marc Duske
- ☐ Alexandra Lutz
- ☐ Denise Ojeda
- ☐ Breezy Gutierrez
- ☐ Christian Naranjo

- ☐ Barbara Armijo
- ☐ Jaime Cherry
- ☐ Rick Schmidt
- ☐ John Gabaldon
- ☐ Susan Chaudoir
- ☐ Jaime Hernandez
- ☐ Luisa Bailey



Agenda

- ❑ PED Information Share
- ❑ Breakout Sessions
- ❑ Report Out



Why We Are Here

- ❑ LMI-Skilled trades
- ❑ Industry meetings/voice
- ❑ State desired outcome and next steps
- ❑ Programs funded as skilled trades in 10 regions
(Agriculture Mechanics, Construction,
Manufacturing, Drafting, Welding, and Automotive)



What is CTE?

How does this benefit industry?

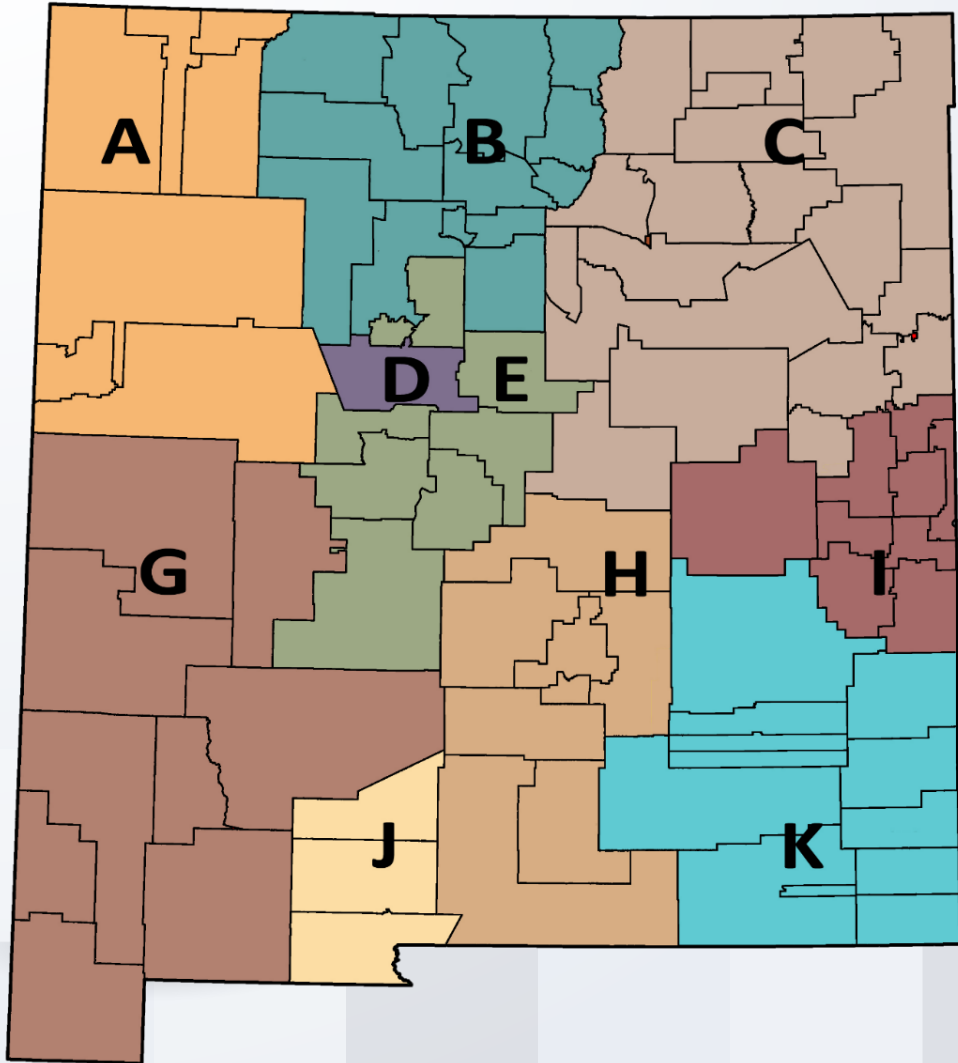
- ❑ Career Technical Education is an educational pathway (used to be called vocational)
- ❑ Career Technical Education - High school graduation rates for students that take 2 CTE courses is about 90%
- ❑ High Quality CTE Programs –Rigorous program standards that introduces relevant hands on and academic content
- ❑ Addresses state and industry standards



Federal CTE Funding

- Carl D. Perkins Federal Grant provides federal funding to states to improve both secondary and postsecondary CTE
- Federally Funded programs must be aligned to regional priorities set forth by a comprehensive local needs assessment (CLNA) (March of 2020)
- Must be aligned to the regional priorities- CLNA





State CTE Funding

NextGen CTE funding is a legislative appropriation

7 year pilot

50% of the allocation must be aligned with identified priorities

50% can go toward a CTE non-priority program of study, career exploration, CTSO or dual credit supports

LMI - Labor Market Information

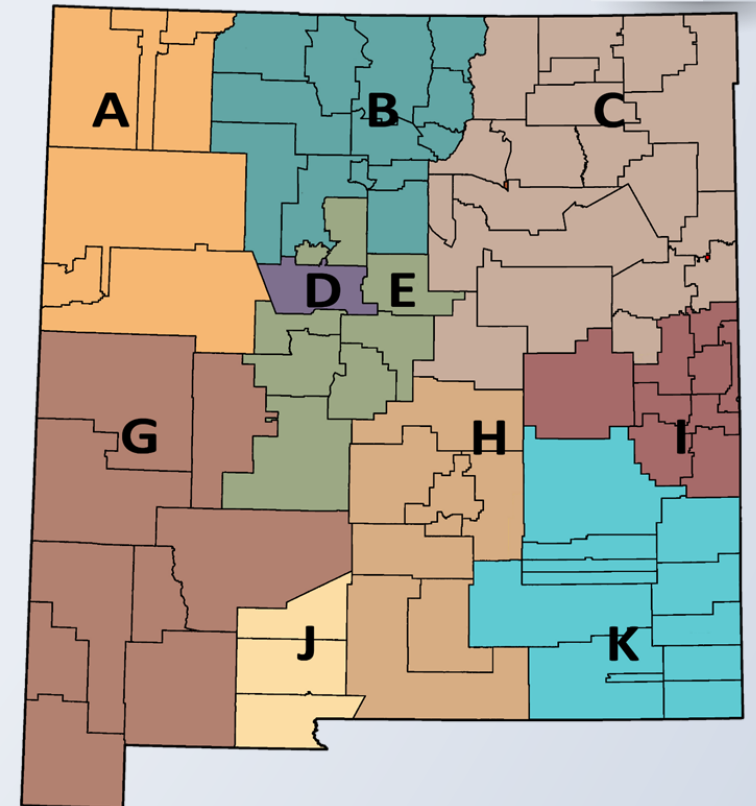
The following skilled trades are priorities for the State:

- ☐ Construction Trades
- ☐ Drafting
- ☐ Manufacturing
- ☐ Transportation
- ☐ Welding



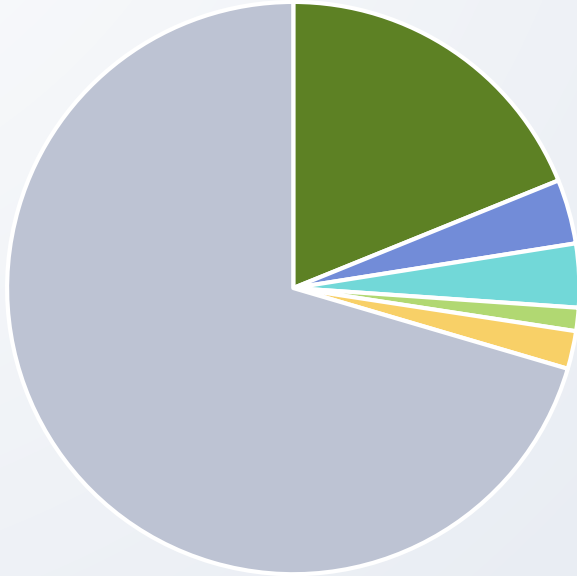
2020-2022 CTE Funding Cycle

- ❑ 10 CTE Regions established
- ❑ Spring 2020 regional meetings = priorities established
- ❑ Professional Development offered to instructors
- ❑ Winter 2021-22 = revisions
- ❑ New course offerings/opportunities



NM CTE Budget 2021-22

CTE Budgets 2021-22



- Total Skilled Trades
- Non-priority programs
- Career Exploration
- Employability Skills (including CTSOs)
- Work-based Learning
- Other Program types

Perkins \$7,039,300

Next Gen \$2,246,200

Skilled Trades \$1,751,840

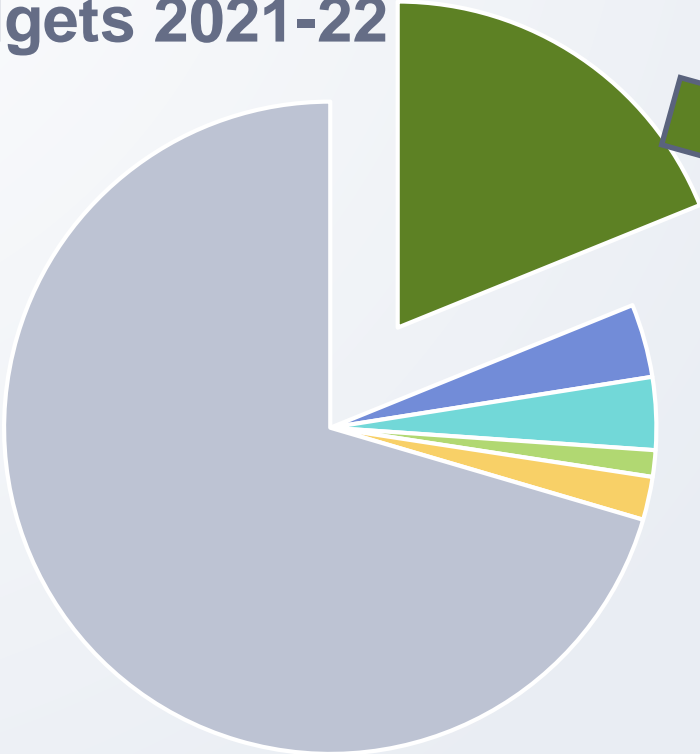
Career Exploration \$333,968

CTSOs \$122,069

Work Based Learning \$198,656

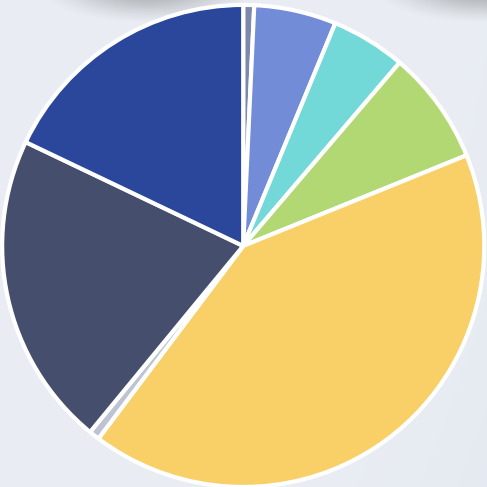
NM CTE Skilled Trades Budgets

CTE Budgets 2021-22



- Total Skilled Trades
- Non-priority programs
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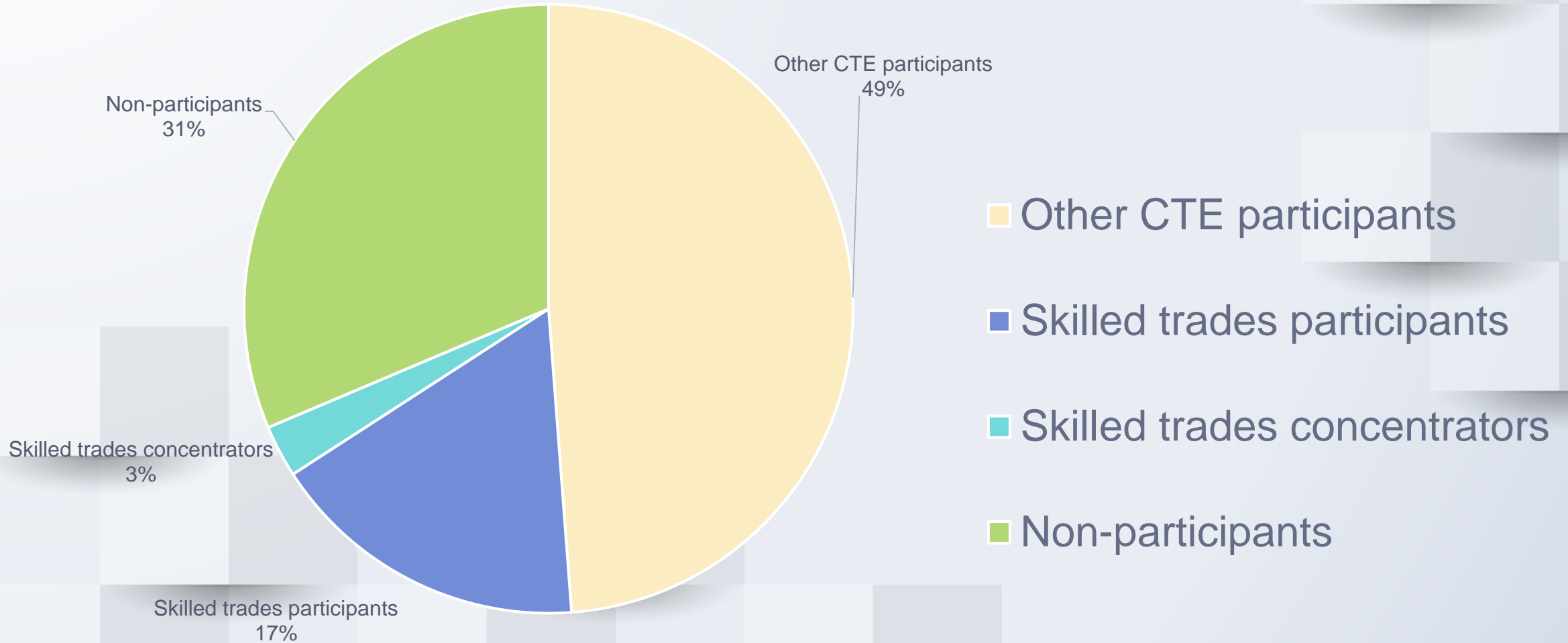
Skilled Trades Budgets 2021-22



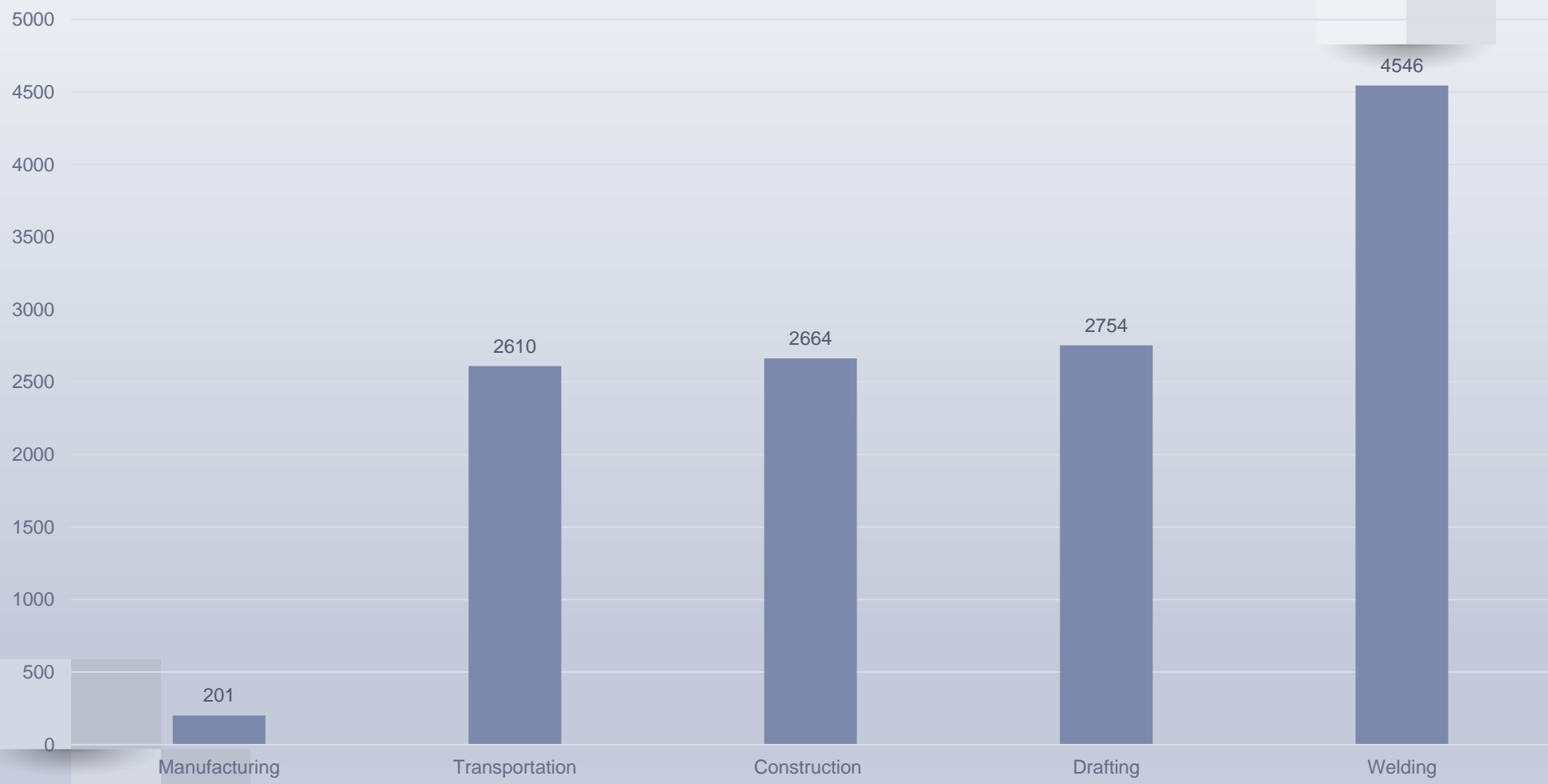
- Natural resources systems
- Power, structural and technical systems
- Mfg: Maintenance, installation and repair
- Mfg: Production process development
- Mfg: Production
- Mfg: Quality assurance
- Engineering and technology (STEM)
- Facility and mobile equipment maintenance

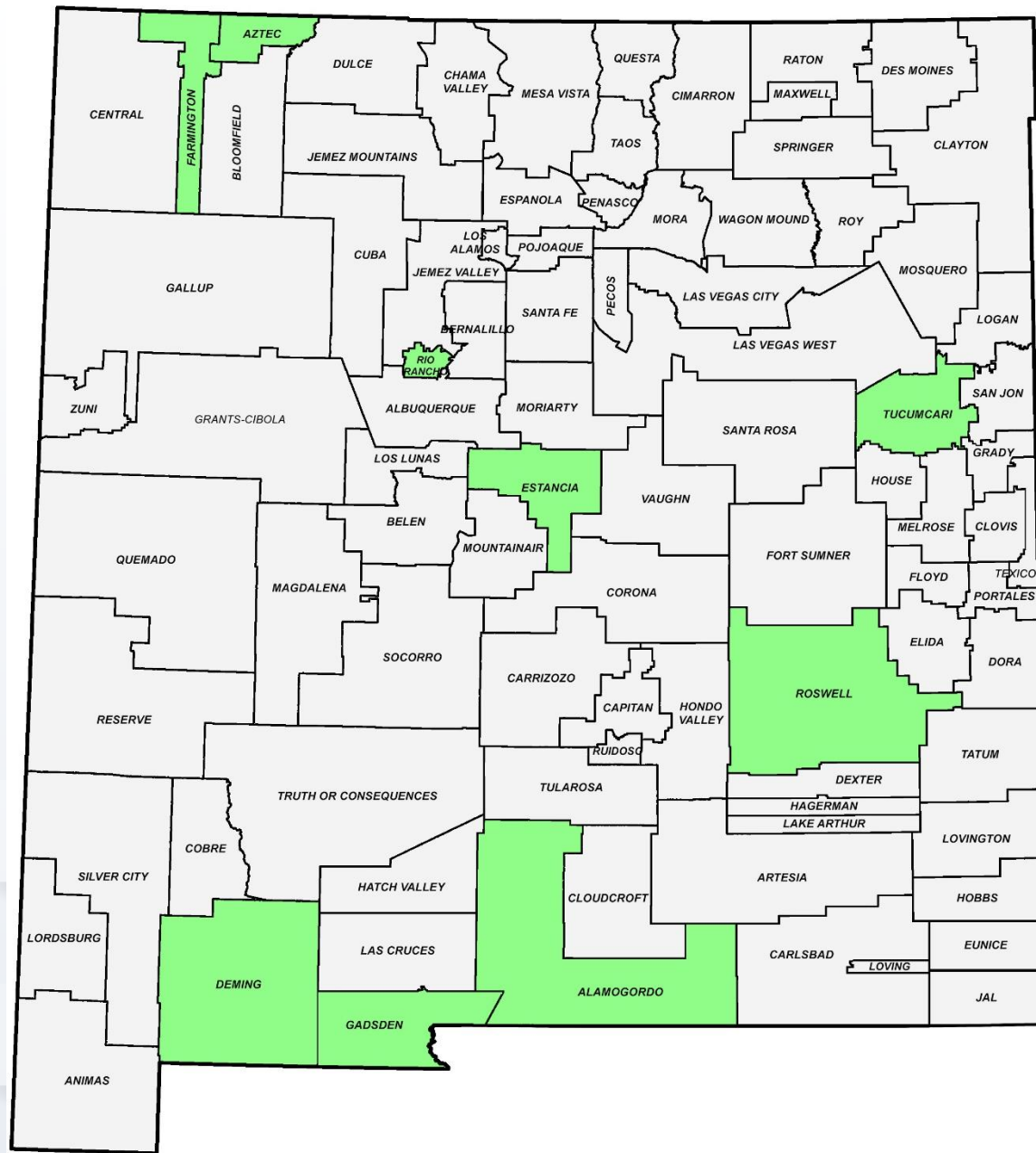
NM High School Students

High School Students 2019-20



Skilled Trades Course Enrollment SY 21-22

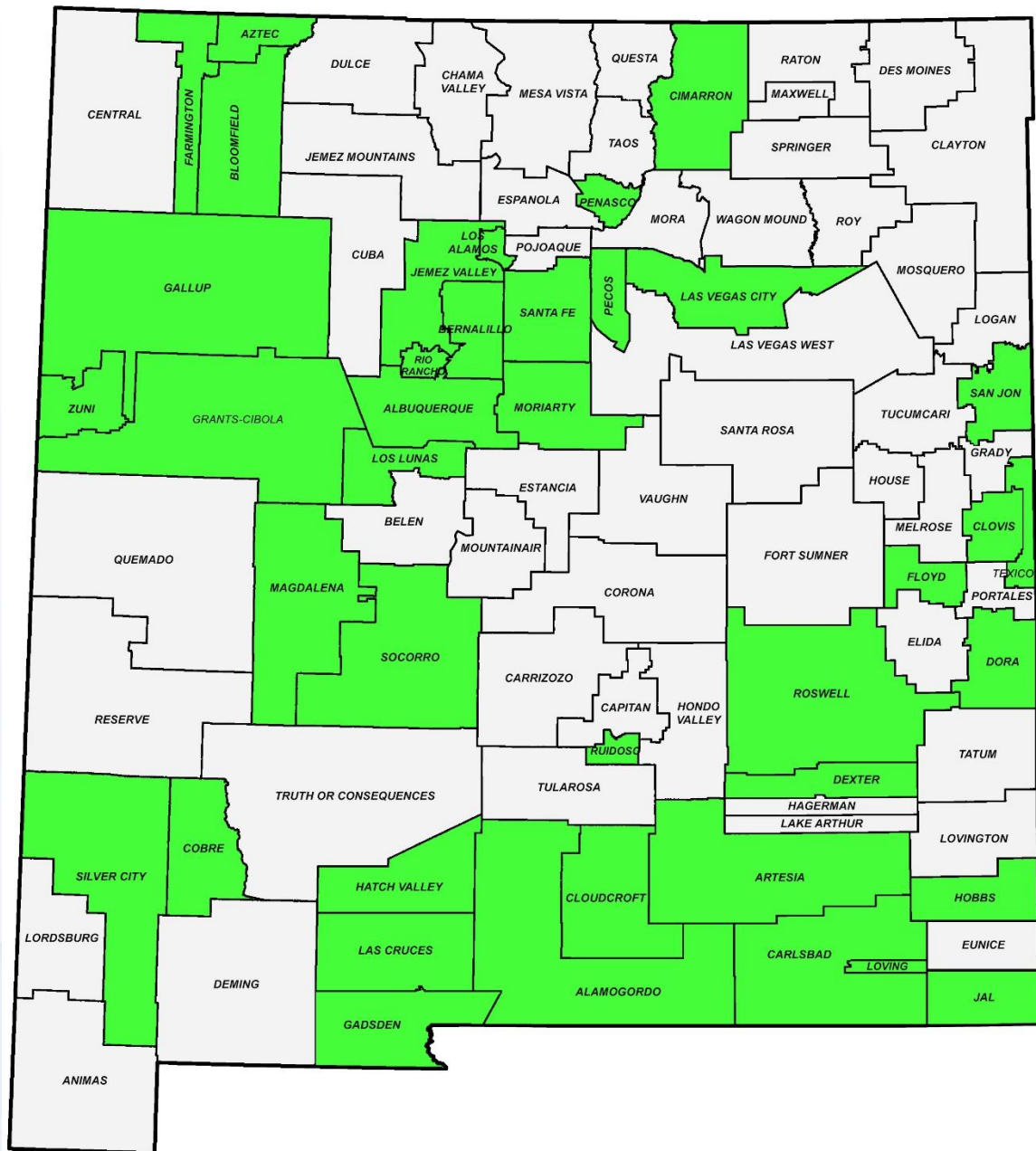




Manufacturing Enrollment

- 9 districts, 2 state charter schools
- 201 students

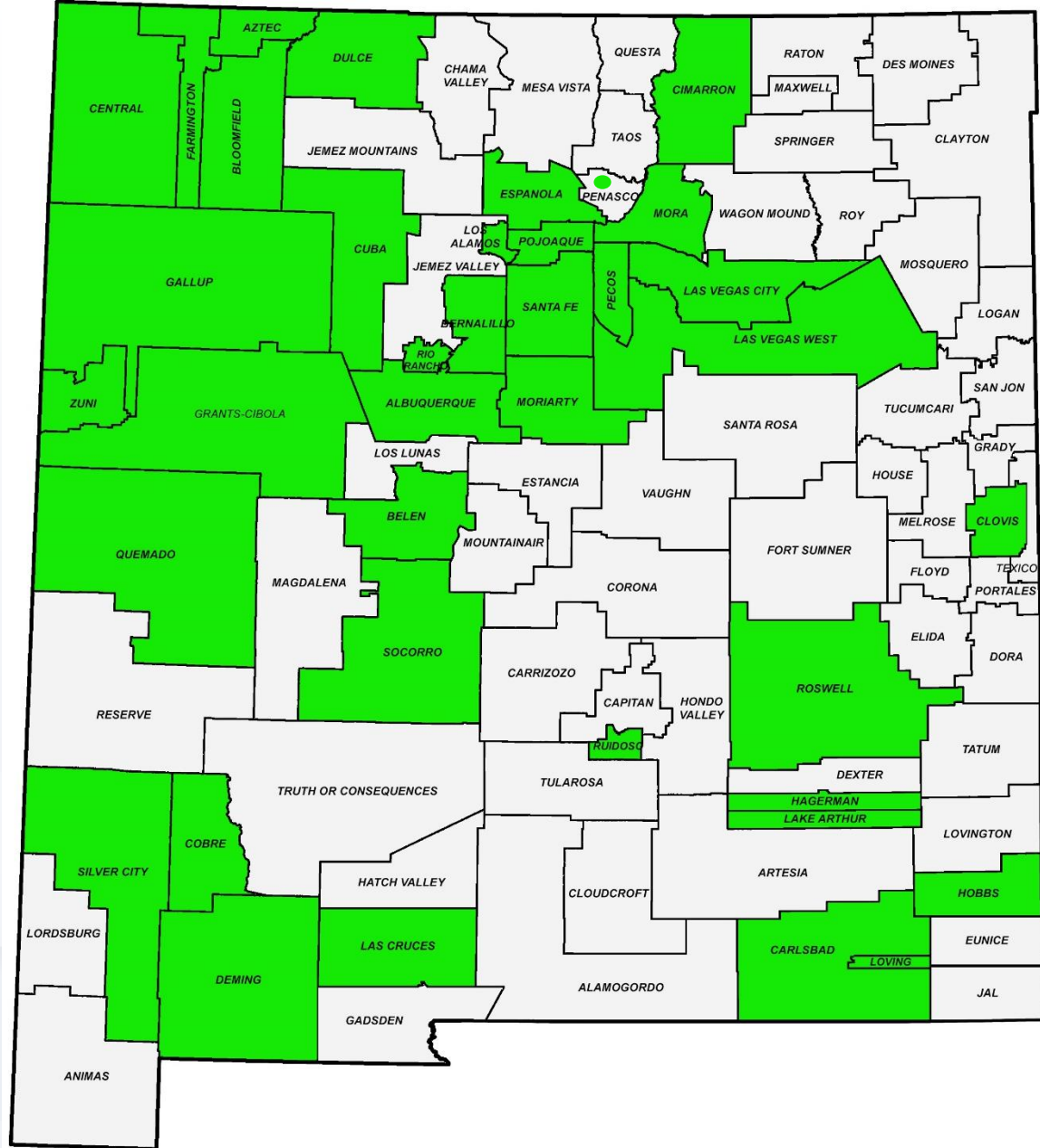




Transportation Enrollment

- 40 districts, 6 state charter schools
- 162 students

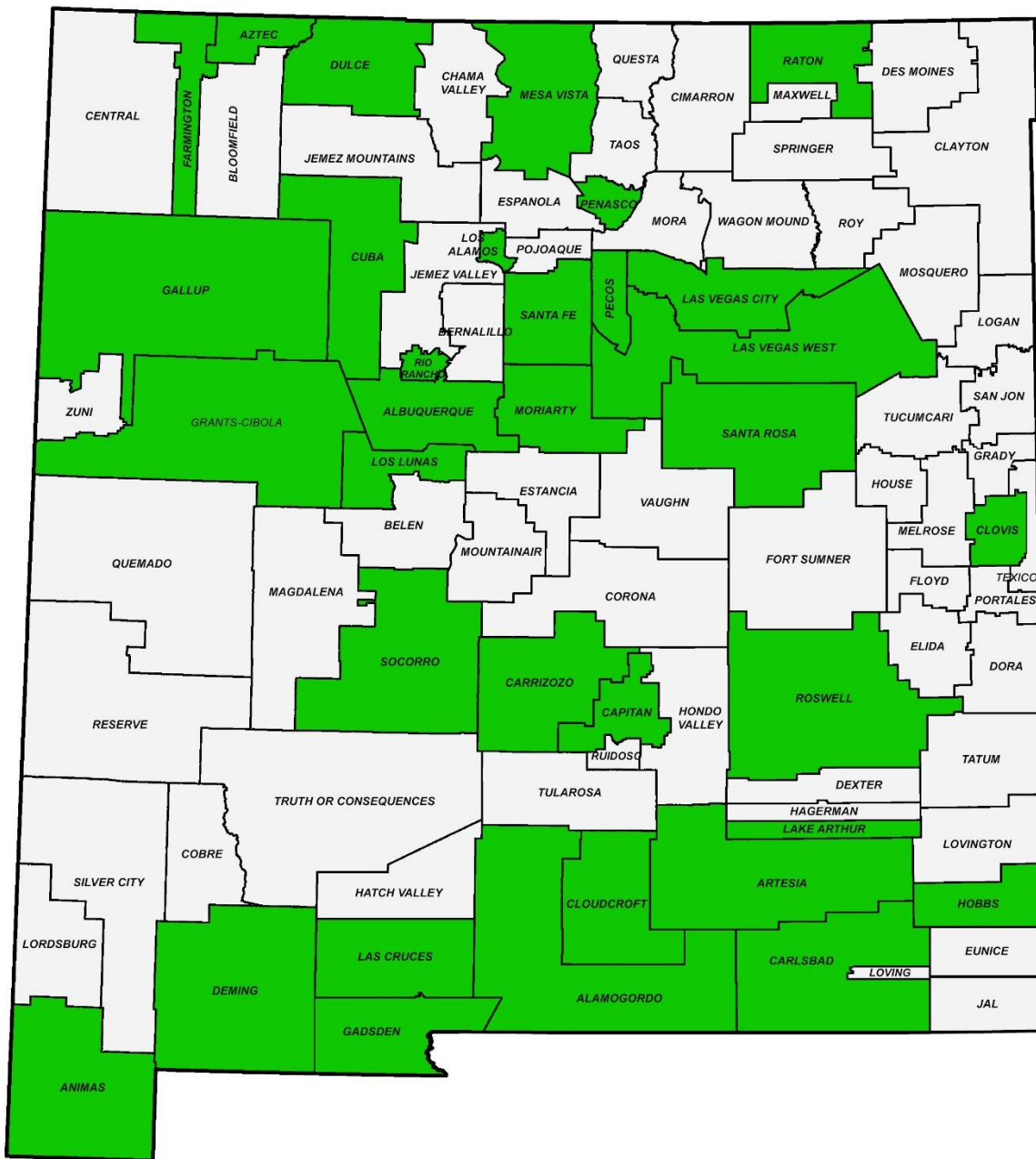




Construction Enrollment

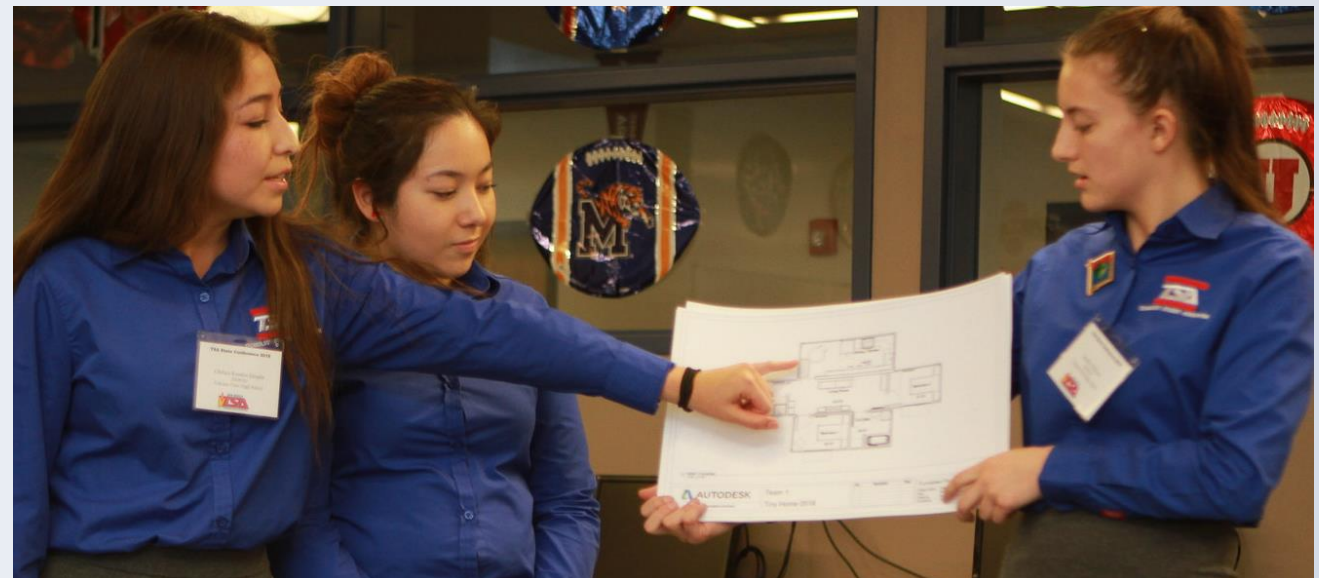
- 38 districts, 4 state charter schools
- 2664 students

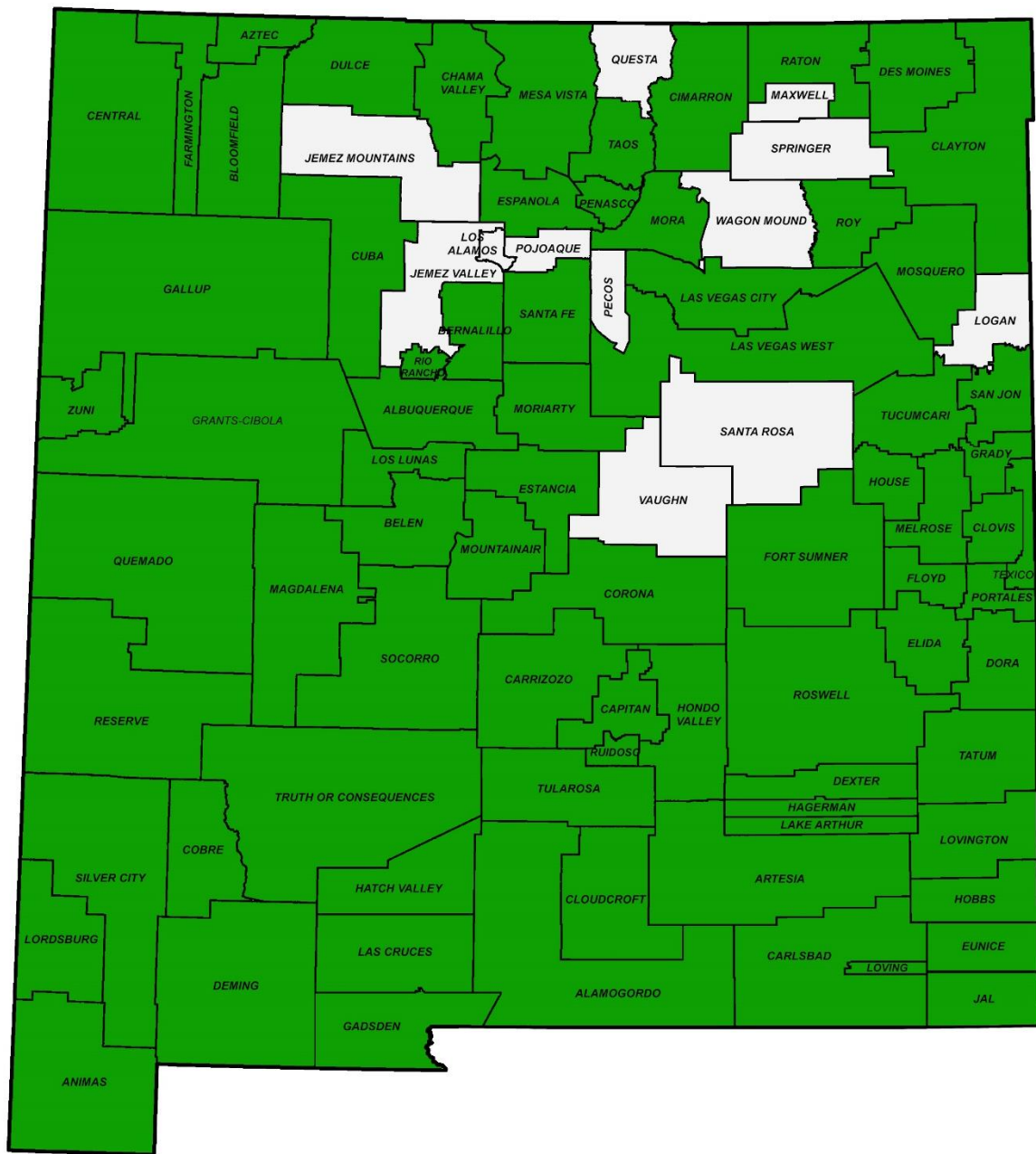




Drafting Enrollment

- 34 districts, 6 state charter schools
- 2754 students





Welding Enrollment

- 78 districts, 6 state charter schools
- 4546 students

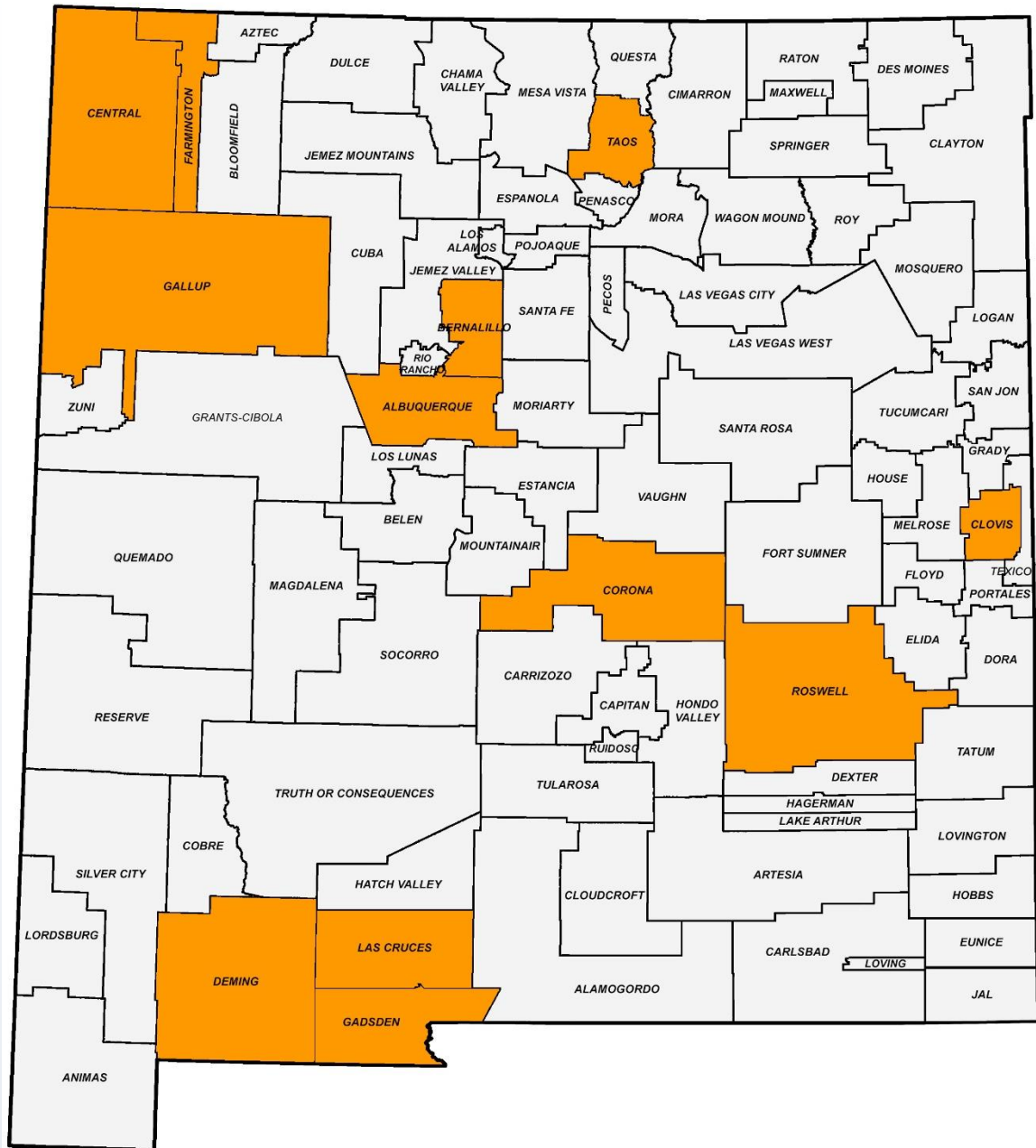




Secondary Quality Indicators

3 Core Performance Indicators

- Certification and Credentials
- Work Based Learning
- Dual Credit



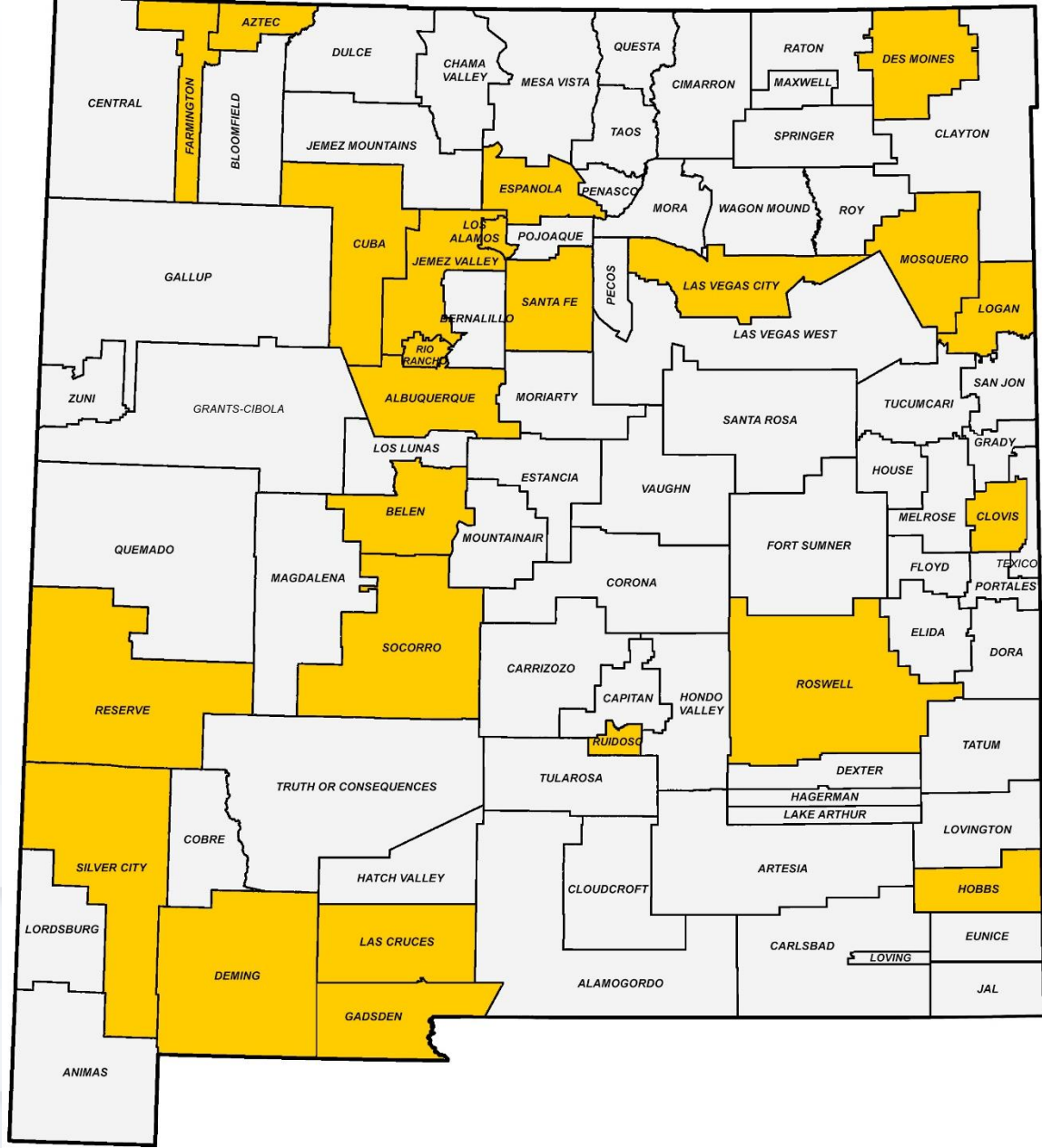
HS Skilled Trades Certifications Reported

Automotive Technician	87
NCCER Certifications	19
OSHA Certification	169
Precision Certification	532
Welding Certification	45
Grand Total	852

Work-Based Learning Opportunities

Enables a student to gain experience and skills through on the job training, CTE Internships or CTE Co-Ops in their chosen pathway.



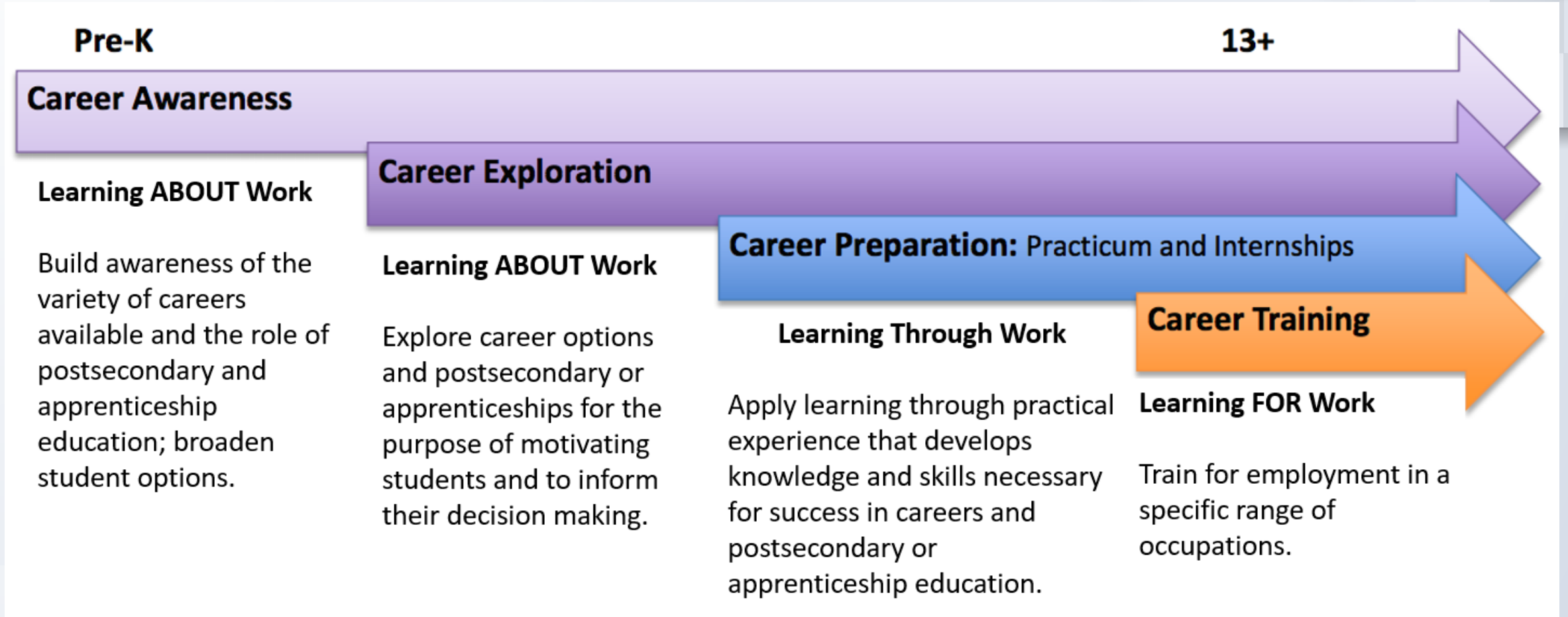


Skilled Trades Work Based Learning

Student Organizations



Continuum of Industry Involvement



Work-Based Learning Experiences

Tours:
Students take part in employer-led worksite tours and provides students information on job requirements

Rotations:
Students work in a number of different departments or for different employers to explore occupations within an industry

Entrepreneurship
Students create an alternate work program, are their own boss, earn money, create a project, run their business, & earn high school credit

Internships/Co-Ops: Students participate in paid work experience with employer, school coordinator & student agreeing to follow training plan. Students take related CTE courses in school

Tours

Job Shadowing

Rotations

Mentoring

Entrepreneurship

Service Learning

Internships & Co-Ops

Youth Apprenticeship

Job Shadowing:
Students make brief worksite visits to spend time with individual workers learning what jobs entail

Mentoring:
Students are paired with “adult peers” from the workplace who provide guidance & encouragement on career-related projects.

Service Learning:
Students unpaid work, geared to the public good, integrated with school learning through projects or similar mechanisms

Youth Apprenticeship:
Students commit to one or two years of paid work experience in a specific trade & is registered as a youth apprentice

Break-out Sessions

Questions:

What is one thing that can be done to improve high school or post-secondary skilled trade programs?

What can your company do to support programs in Skilled Trades (either high school or post-secondary)?



Report Out

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What is one thing that can be done to improve high school or post-secondary skilled trade programs?

What can your company do to support programs in Skilled Trades (either high school or post-secondary)?



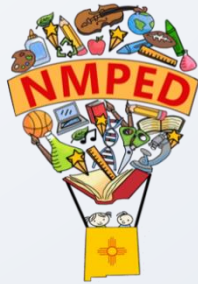
Next Steps

- ❑ CCRB will summarize the conversations that took place today to inform and guide our regional CLNA meetings.
- ❑ Survey-would you be willing to continue to contribute in strengthening skilled trades programs?



THANK YOU!

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