

SOUTHERN COLORADO RAILYARD

WORKFORCE ANALYSIS



Southern Colorado Railyard Workforce Analysis

Fountain, CO
(35 Mile Radius from Ray Nixon Power Plant)

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Introduction

The Colorado Springs Chamber of Commerce & EDC, the City of Fountain, the City of Colorado Springs, El Paso County and many other community partners have been in discussions for over 10 years regarding the demand for a rail-served business park in the county.









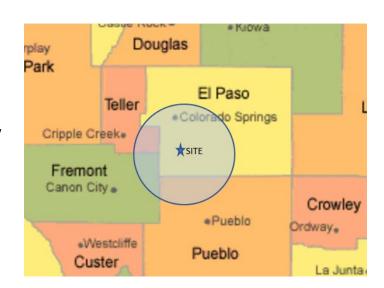
In 2007, the City of Fountain identified the area for industrial development within its Strategic Plan and broached the concept with regional partners. Subsequently in 2013, El Paso County funded a feasibility study into the viability of a dual-served rail business park that could have multiple benefits to the region and southern Colorado. As a light to heavy industrial user park, it would serve a significant void in site selection of the manufacturing industry. It could also stimulate this growing sector of the economy and diversify the industry fluctuations over the last 10 years within the region and regain the high economic multiplier effect of this sector.

The uniquely positioned site of the project (west of the Ray Nixon Power Plant; east of Fort Carson military base) has the potential to be served by both Burlington Northern Santa Fe and Union Pacific Railroads. Access to the rail interchange owned by Colorado Springs Utilities, as well as the topography of the site, were explored during the study which was designed to identify any initial fatal flaws of the concept.

The following report is for the rail-served business park project destined to be located in Fountain, Colorado. Information is based on the Colorado Springs MSA (which includes El Paso and Teller Counties), Pueblo and Fremont Counties, and/or 35 miles from 6598 Ray Nixon Road, Fountain, CO.

Region

El Paso, Pueblo, Teller, and Fremont Counties have over 359,000 employed, making up approximately 13.5% of Colorado's jobs, not including active duty military.

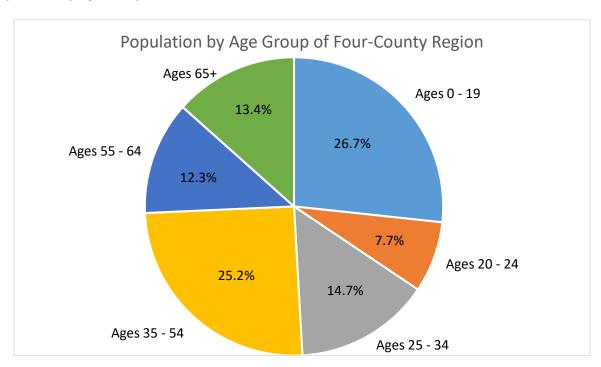


Population

The Colorado Springs MSA has a population of 725,908. The four-county region has a total population of 939,403.

El Paso County: 701,283 Fremont County: 47,521 Pueblo County: 165,974 Teller County: 24,625

Population by Age Group



Source: U.S. Census Bureau, American Factfinder, 2013-2017 American Community 5-Year Estimates

Population Estimates

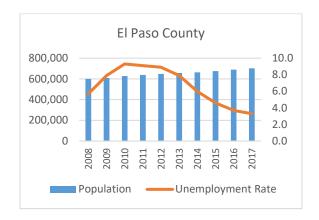
According to the Colorado State Demographer, El Paso County is expected to become the state's largest county by 2050, with 13.1% of the total population of Colorado.

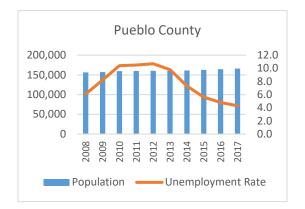
	2015 Estimates	2050 Estimates	Estimated Annual / Overall Growth
El Paso County	674,993	1,075,535	1.7% / 59.3%
Fremont County	46,245	53,846	0.5% / 16.4%
Pueblo County	162,664	223,412	1.1% / 37.3%
Teller County	23,351	30,997	0.9% / 32.7%

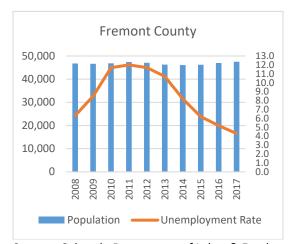
Source: Colorado Department of Local Affairs

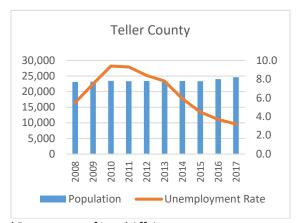


2008 - 2018 Population vs Unemployment by Counties









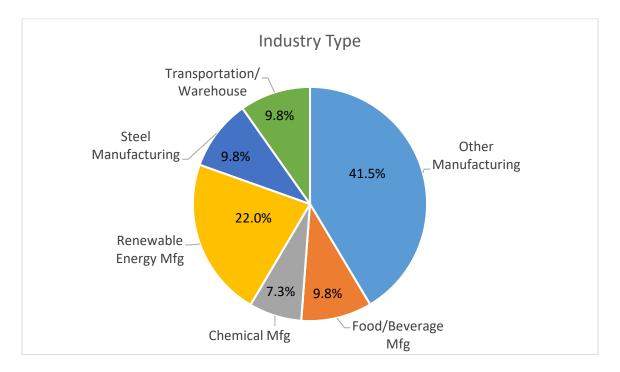
Source: Colorado Department of Labor & Employment and Department of Local Affairs

Historical & Active Projects

Over the last 10 years, the Chamber & EDC has had 41 projects requiring some form of rail (served, access or near), to include:

Companies	Requirements
10	10,000 – 49,999 square feet
8	50,000 – 99,999 square feet
11	100,000+ square feet
8	1 - 24 acres to build
6	25 - 49 acres to build
6	50 acres to build

Industry breakout:



Lost Project Examples:

Food Processing Manufacturer:

- · Initial contact: August 2016
- Food manufacturing
- · 40 acres, 200,000 square feet
- · Shovel-ready, rail served site
- · 500 new jobs
- \$200,000,000 capital investment
- · Competition: 6 western states including Colorado and Wyoming
- · January 2017, company selected Longmont, CO

Renewable Energy Manufacturing:

- · Initial contact: November 2008
- · Wind energy manufacturing
- · 40 acres, 245,000 square feet
- · Connected to railroad and highways
- · 300 new jobs
- · \$30,000,000-\$37,000,000 capital investment
- · May 2012, company chose a location in Wyoming

For a full listing of lost projects, please see document: Rail Project Opportunities.pdf



Active Project Examples:

Project Meow:

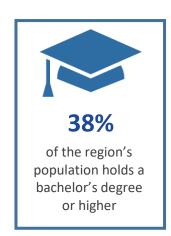
- · Initial contact: September 2018
- · Consumer goods manufacturer
- · 2-3 acres, 40,000 50,000 square feet
- · Need to be close to rail
- · 25 new jobs
- · Capital investment To be determined
- · February 2019, company currently pursuing various opportunities

Project Circular:

- · Initial contact: January 2019
- · Recycled containerboard mill
- · 50 acres
- Need access to rail
- · 230 new jobs
- · Capital investment To be determined
- · February 2019, company reviewing RFQ respondent information

Available Workforce

Colorado has one of the most educated, technically savvy workforces in the country. Colorado Springs is home to top-notch higher education institutions that continually produce a steadfast, growing workforce. With 38 percent of the population holding a bachelor's degree or higher, and some of the nation's top veterans transitioning into the workforce, the region's talent raises the bar. This mid-sized city is less than a one-hour drive from Pueblo, Teller and Fremont counties, allowing employers access to a diverse pool of qualified professionals. And with the unbeatable quality of life to sweeten the deal, it's easy for businesses to retain and recruit talent.



According to the Pikes Peak Workforce Center, there were 24,866 people looking for work within the 4 counties included in this analysis. The following is a listing of available workforce within the 4 counties for manufacturing, warehouse, distribution and office support:

	El Paso	Teller	Pueblo	Fremont	Total
Accountants	96	2	20	11	129
Accounting Clerk	1	0	0	0	1
Administrative Assistant	73	3	23	9	108
Aerospace Engineers	26	0	0	1	27
Assemblers & Fabricators	86	2	40	16	144
Avionics Technicians	10	0	0	1	11
Billing & Posting Clerk	64	11	40	6	121
Bookkeeping & Accounting	98	1	50	31	180
Business Operations	91	3	25	6	125
Cement Masons	36	1	23	13	73
Chief Executives	42	0	8	0	50
Civil Engineers	15	2	1	0	18
Construction Laborer	363	16	291	128	798
Construction Managers	34	1	14	4	53
Cutting, Punching & Trimmers	8	0	9	1	18
Electrical & Electronics Engineers	68	1	23	6	98
Electrical Drafters	0	0	1	0	1
Electrical Engineers	17	0	5	3	25
Electricians	82	3	25	10	120
Electronics Engineer	22	2	4	2	30
Electronics Mechanic	5	4	0	0	9



24,866

People registered to work in the four-county region



Available Workforce (continued)

	El Paso	Teller	Pueblo	Fremont	Total
Engineering Managers	6	0	0	0	6
Engineering Technician	8	0	1	1	10
Engineers, All Other	21	1	2	0	24
Helpers - Brick Masons	4	0	2	0	6
Helpers - Carpenters	8	0	16	7	31
Helpers - Electrician	11	0	9	8	28
Helpers - Extraction	2	0	0	1	3
Helpers - Installation	18	0	0	9	27
Helpers - Painters	7	0	0	2	9
Helpers - Pipelayers	8	0	8	3	19
Helpers - Production	30	3	61	31	125
Human Resources Assistant	75	1	16	7	99
Human Resources Manager	65	1	16	5	87
Human Resources Specialist	43	1	16	2	62
Industrial Engineers	24	1	7	0	32
Industrial Machinery	13	0	4	2	19
Industrial Production	10	2	2	2	16
Industrial Safety Analyst	6	0	2	0	8
Laborers & Freight	93	1	45	11	150
Lathe & Turning Machine	2	0	2	0	4
Light Truck or Delivery	54	1	37	14	106
Loading Machine Operator	1	0	3	1	5
Logisticians	21	0	2	1	24
Logistics Analysts	10	0	1	0	11
Logistics Managers	30	0	2	1	33
Machinists	31		20	3	54
Maintenance Workers	4	1	10	2	17
Managers, All Other	185	7	49	17	258
Manufacturing Engineer	18	0	3	0	21
Manufacturing Production	3	0	0	1	4
Material Handler	1	0	0	0	1
Material Moving Work	54	0	21	5	80
Materials Engineers	2	0	0	0	2
Materials Scientists	1	0	0	0	1
Mechanical Drafters	4	0	0	0	4
Mechanical Engineers	23	3	7	3	36
Metal Workers	2	0	5	2	9
Millwrights	3	0	4	0	7
Molding & Casting	1	0	1	0	2
Molding, Coremaking	2	0	0	1	3
Operating Engineers	28	4	43	29	104

Available Workforce (continued)

	El Paso	Teller	Pueblo	Fremont	Total
Order Clerks	12	0	2	3	17
Order Fillers	9	0	3	0	12
Packers & Packager	44	0	17	2	63
Pipe Fitters	8	0	3	3	14
Pipelayers	9	1	11	6	27
Production Laborers	6	0	2	3	11
Production Workers	97	3	42	12	154
Production, Planning	13	0	4	0	17
Purchasing Agents	14	0	5	2	21
Purchasing Managers	15	0	2	3	20
Quality Control Analyst	1	0	0	1	2
Quality Control Systems	13	1	2	0	16
Rail Transportation	1	0	4	0	5
Shipping & Receiving Clerk	32	0	14	7	53
Truck Drivers, Light	33	1	9	8	51
Truck Drivers, Heavy	38	1	13	15	67
TOTAL	2,514	86	1,152	484	4,236

Source: Pikes Peak Workforce Center, June 18, 2019

Pikes Peak Workforce Center

The Pikes Peak Workforce Center (PPWFC) is the American Job Center serving El Paso and Teller counties. The PPWFC connects vital businesses with work-ready job seekers and employer-driven services.

Their clients range from entry-level to professional, including youth, adults, people returning to the workforce, and those with barriers to employment. PPWFC provides job search and training opportunities, including 20 different job seeker workshops—ranging from basic computer use and resume preparation to LinkedIn, branding/networking and more—and always at no cost. As well, PPWFC hosts the largest job fairs in Southern Colorado as well as weekly hiring events.

PPWFC also assists employers with exploring alternative resources for their workforce needs, including justice-involved citizens, people with different abilities, and those who are on public assistance. As well, they are able to provide employers with training and information regarding skills-and competency-based hiring, salary data, and labor market data.

In support of regional employers, the PPWFC hosts recruitment events, pre-employment assessments, provide a database of searchable candidate profiles, and more.

Military Workforce

El Paso County is home to five military installations which enhance the local workforce. There are approximately 87,000 military retirees and dependents in the area, and an average of 300 military separations per month. The presence of the military also attracts civilian contractors and suppliers, as well as adds a diversity of skill sets to the region's workforce.



retire or separate from service to the civilian workforce monthly in the region

The five military installations are located around the city.



Military Workforce (continued)

The second largest employer in the state of Colorado, Fort Carson has over 30,030 employees and is home to the 4th Infantry Division Headquarters.

Fort Carson	
250 Approximate outplacements per month	Spouses/Retirees/DOD Civilians:
30 - 40% stay in Colorado Springs	75% participate in the region's workforce
85% are technically trained	

Peterson Air Force Base, Schriever, NORAD	
30-50 Approximate outplacements per month	Spouses:
94% stay in Colorado Springs	79% participate in the region's workforce
92% are technically trained	45% have 4-year degrees
74% have degrees	
62% have masters degrees	

Air Force Academy	
20 Approximate outplacements per month	Spouses:
45% stay in Colorado Springs	35% participate in the region's workforce
30 - 40% technically trained	
50% have degrees	
30% have masters degrees	

Those who have been stationed in Colorado Springs often return to the area to begin a second career after retirement; they represent a workforce that is skilled, disciplined, and stable, with a strong work ethic. The military provides strong ties to the workforce through the provision of well-educated and trained veterans with relevant skills to the 21st century needs. Examples of these unique skills sets would include: trade & transportation logistics; specialized manufacturing; mechanical skills; welding; management; cybersecurity / information technology; and construction related skills.

Military Workforce (continued)

Transitioning Military and the Pikes Peak Workforce Center

The Pikes Peak Workforce Center (PPWFC) works very closely with the five military installations and their Transition Assistance Programs to aid separating and retiring military members join the regions' workforce.

Most of the service members have at least two years of college, many have technical skills they acquired while serving on active duty, and all have work experience that most employers value.

All transitioning service members go through a week-long class at their military base where they learn how to develop a civilian resume, how to interview for civilian positions, how to use professional web sites to build networks, and how to leverage their military experience and skills to the benefit of civilian employers. While going through their transition period and after discharge, service members and veterans may access all the resources at the PPWFC to include receiving priority in job referrals, priority in training scholarships, Work-Based learning opportunities, individualized career counseling with Workforce Development Specialists or Veteran Employment Representatives as well as access to PPWFC employer specific customized hiring events and job fairs.

The PPWFC also provides workforce and job seeking services to military spouses, and partners with many military and veteran's serving organizations in our community to help connect employers with potential employees.

Higher Education Facilities - Technical



Pikes Peak Community College's (PPCC) manufacturing programs and coursework were developed in collaboration with industry partners in the Pikes Peak region. Instructors are leaders in their career fields. Hands-on, experiential learning environments allow students to master machine basics and technical skills while internships prepare them to join the

workforce seamlessly. Certification programs were developed to meet the growing employment demands of the advanced manufacturing industry. PPCC students learn advanced technologies and current processes, work with state-of-the art equipment, and excel in working collaboratively, as well as medal regionally and nationally in the secondary and post-secondary competitions at Skills USA.

PPCC offers the following technical programs:

Associates of Arts (AA) / Applied Science (AAS)

Architectural Engineer Technician (AAS) **Building & Technology Construction (AAS)** Computer Aided Drafting & Design (AAS)

Diesel Technology (AAS) Electronics Technology (AAS)

Heating, Air Conditioning & Refrigeration Technology (AAS)

Machining Technology (AAS)

Pre-Engineering (AA)

Robotics & Automation Systems Technology (AAS)

Welding (AAS)

Certificates

Welding

Construction Professional Computer Aided Drafting & Design Diesel Technology Heating, Air Conditioning & Refrigeration Technology Machining **Robotics & Automation** Systems Technology

High School Students: Pikes Peak Community College works with high-school students enrolled in career-technical courses at their high schools who may be eligible for college credit. PPCC also partners with schools which support home school students who are interested in concurrent enrollment.



tellitec College - Colorado Springs Campus offers an Associate of Occupational Studies Degree in Refrigeration & HVAC Technician. This program is designed to develop the skills and knowledge for entry-level

employment as a Refrigeration/Air Conditioning-Heating Systems Repair Technician in the commercial, residential, or industrial refrigeration and heating industry.



Located 30 miles south of the proposed rail site, Pueblo Community College (PCC) offers associate degrees and certificates in advanced Community College manufacturing. PCC also offers classes in Fremont County. Careers in

Machining Technology build a strong foundation in machining by learning to use various tools, such as hand tools, manual machines and grinding tools.

PCC offers the following technical programs at the Pueblo Campus:

Associates of Arts (AA) / Applied Science (AAS)

Electromechanical Technology (AAS) Industrial Technology Maintenance (AAS) Machining (AAS) Radiologic Technology (AAS) Welding (AAS)

Certificates

Electromechanical Technology Industrial Technology Maintenance Welding

PCC offers the following technical programs at the Fremont County Campus:

Associates of Arts (AA) / Applied Science (AAS) Welding (AAS)

Certificates Welding

High School Students: Pueblo Community College works with high school students in undergraduate courses, creating pathways from high school into higher education.

As well, Pueblo Corporate College, a division of Pueblo Community College, delivers workforce training to organizations through innovative, state-of-the-art training facilities. The Mobile Learning Labs feature portable classrooms transported to the office, warehouse, manufacturing facility with professionalgrade trainers and instruction stations. Sponsored through the U.S. Department of Labor, these customized training tools provide a wide range of skill development from fundamentals to advanced trouble-shooting.

Programs offered through Pueblo Corporate College include:

Electrical Systems Mechanical Systems HAAS Toolroom CNC Mill Welding





Colorado Technical University - **Colorado Springs Campus** offers more than 100 undergraduate and graduate degree programs and concentrations tailored to interests, experience, and preferred learning format.

Associates of Arts (AA) / Bachelor's Degrees (BD) / Master's Degrees (MD)

Business Administration (BD) / (MD)
Computer Science (BD) / (MD)
Electrical Engineering (BD) / (MD)
Electronics Technology (AA)
Information Technology (AA) / (BD) / (MD)
Management (AA) / (BD) / (MD)
Project Manager (BD)

Higher Education Facilities - Business



The **University of Colorado Colorado Springs** (UCCS), with a 2018 student enrollment of 12,572, has been identified as the growth campus within the University of Colorado system. UCCS offers more than 100 options within 45 undergraduate, 23 graduate and five doctoral degrees within

the Colleges of Nursing, Business, Education, Engineering & Applied Science, Letters, Arts & Sciences and Public Affairs.

UCCS also offers the world's only Bachelor of Innovation™ (BI) Program, a degree with a family of related majors. The BI degree has a common core in innovation and entrepreneurship which comprises a unique long-term, multi-disciplinary team experience. The BI program integrates four major components of innovation: Technology, Entrepreneurship, Creative Communications and Globalization. This bold new degree is aimed toward students who appreciate an innovative challenge, those who are destined to change their world and add value to society.





Colorado College is a private liberal arts college located near downtown Colorado Springs. The college enrolls approximately 2,000 undergraduate students and consistently ranks as one of the top private colleges in the nation offering 42 majors and 23 minors.

Many majors allow special concentrations within broad disciplinary study. In addition to the regular English literature track, for example, the English major also offers a creative writing track and a film track. Colorado College has several combined or distributed majors for students whose interests require concentrated work in more than one department.

Colorado College also offers The Block Plan (eight 3-1/2 week sessions, equivalent to four semester hours each). Students take only one course per block and professors teach only one course per block.

Colorado tate niversity Pueblo,

Colorado State University-Pueblo (CSU-Pueblo) is part of the Colorado State University (CSU) System, which has three campuses, each with distinct roles and missions. The CSU campuses educate nearly 60,000 students annually, with almost 9,000 graduates per year.

CSU-Pueblo is a regional, comprehensive, federally designated Hispanic-Serving Institution, serving approximately 4,000 students – 47 percent of whom identify as a minority, including more than 25 percent Hispanic, and 31 percent first-generation. Diverse, intimate, and supportive, the Pueblo campus serves the Southern Colorado area offering both undergraduate and graduate degrees in business, education, engineering, nursing, and the humanities. CSU-Pueblo delivers unique programs in mechatronics, railroad engineering, and automotive industry management.

CSU-Pueblo offers a breadth of opportunity with a variety of undergraduate and graduate degree programs.



College and University Enrollment Fall 2018

From liberal arts universities to technical colleges to a national military institution, the Colorado Springs region offers higher education opportunities across a broad range of fields of study, including four universities which are certified by the National Security Agency (NSA).

Post-Secondary School	Total	Cert/Assoc	UnderGrad	Graduate
University of Colorado Colorado Springs	12,572	n/a	10,521	2,051
Pikes Peak Community College (3 locations)	18,604	18,604	n/a	n/a
Colorado Christian University	8,421	n/a	7,083	1,338
Pueblo Community College	7,281	7,281	n/a	n/a
Colorado State University – Pueblo	4,500	n/a	4,500	n/a
United States Air Force Academy	4,366	n/a	4,366	n/a
Colorado College	2,298	n/a	2,257	41
Colorado Technical University	1,536	n/a	1,114	422
Pima Medical Institute	900	900	0	0
Nazarene Bible College (online only)	771	364	407	n/a
University of Phoenix	727	n/a	531	196
National American University	386	172	198	16
Intellitec College	300	300	n/a	n/a
Embry-Riddle Aeronautical University	243	3	199	41
Fuller Theological Seminary	240	n/a	n/a	240
Regis University	196	n/a	76	120
Webster University	176	n/a	n/a	176
University of Northern Colorado	63	n/a	n/a	63
Totals	63,580	27,624	31,252	4,704

Source: School Offices of Admissions and Records, Fall 2018 Enrollment



WAM!

Workforce development and community development partners joined together to create a Workforce Asset Map (WAM!). This program is a "one stop," free, online tool that helps job seekers, employers, and students identify and easily access workforce-related resources within the region. https://wam.uccs.edu

Additional K-12 Programs



Careers in Construction (CIC) was launched in 2015 to help young people connect with construction trade education in the Pikes Peak and Southern Colorado regions. CIC was piloted by the Housing & Building Association of Colorado Springs to support vocational education at area high schools and colleges – and to encourage allies in the construction industry to join in creating well-paying career opportunities while helping their industries.

Careers in Construction is largely supported by the construction industry through a funding mechanism called the Building Futures Fund. Hundreds of students in the Pikes Peak region are learning construction career skills

through CIC-supported classroom education.

For more information on Careers in Construction, please visit: https://www.cshba.com/careers-in-construction.html



Based in Colorado Springs, **The MiLL** (Manufacturing Industry Learning Lab), is working to empower the next generation of industry leaders. The MiLL is located at the Peyton/Widefield Vocational Education Campus near the Colorado Springs Airport. The MiLL is a group effort between school districts, professionals, and industry partners to train high school students, college, military, and industry in lean manufacturing techniques and empowering them to succeed in today's economy.

The MiLL is approximately 6.3 miles from the rail-served business park for apprenticeship opportunities For more information on The MiLL, please visit: https://themillco.org/

Careers in Construction and The MiLL program offer students co-transferability of skillsets to multiple industry sectors.



The **Pikes Peak Business & Education Alliance** (PPBEA) is a workforce development collaboration between 12 (out of 17) school districts in the Pikes Peak region and local businesses. The program facilitates the consolidation of workplace learning and training programs throughout the districts. The school districts worked together to form an

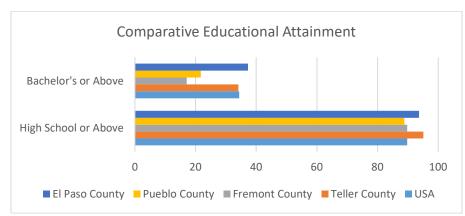
independent organization that provides opportunities for students to participate in job shadowing, internships, field trips, and mentorships, all designed to expose students to varied career fields and opportunities while still in high school. While the local business sector has long been supportive of workplace learning opportunities, working with many different school districts and their varying processes and expectations can be challenging. The initial catalyst in forming the PPBEA was to create a single source with which local business could easily interface in order to help expose high school students to career paths and opportunities and, simultaneously, help businesses invest in growing the local workforce.

Accessibility in the Region

Higher education and workforce training facilities are located throughout the community with easy access for students. Pikes Peak Community College as an example, has three locations in the community – south, north and downtown. Using averages, employees in Colorado Springs have a shorter commute time (20.2 minutes) than the normal US worker (25.3 minutes). I-25 provides north south accessibility on the west side of the community; Powers Boulevard provides north south accessibility on the east side of the city.

Mountain Metropolitan Transit is the primary source of clean, safe, and economical public transportation services in the Pikes Peak region providing over 11,000 one-way trips per day. In addition to bus routes within the City of Colorado Springs, Mountain Metro Transit provides service into Manitou Springs and south into the Widefield area.

High Quality Labor Force



Companies coming to or expanding in the Colorado Springs region tap into a skilled, technologically-savvy workforce whose education attainment is well above the national average.

Source: U.S. Census Bureau

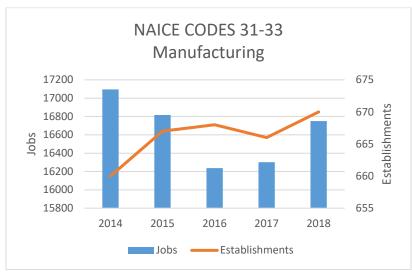
Bilingual Capabilities

The Colorado Springs region has significant advantages in a global economy. The table show the bilingual capability of the region's labor force, also vital in a global economy. Numbers on the table are adjusted for fluency in English and the second language, working age, and regional labor force participation.

Source: U.S. Census Bureau

Bilingual Capabilities, Working Age				
Population				
Language	Number			
Spanish	46,519			
Other Indo-European	10,800			
Asian/Pacific Islander	9,692			
Other	2,671			

Historical Trends (El Paso, Pueblo, Teller & Fremont Counties): MANUFACTURING



Source: Colorado Department of Labor & Employment

Individual County Breakout for Manufacturing Jobs

maividadi	county bi	cakout ioi	wanarac	caring sobs	,	
County	2014	2015	2016	2017	2018	% Change
El Paso	11,854	11,678	11,480	11,480	11,691	-1.4%
Pueblo	4,626	4,498	4,094	4,167	4,359	-6.1%
Teller	83	91	96	107	120	30.8%
Fremont	533	549	567	547	580	8.1%
TOTAL	17,096	16,816	16,237	16,301	16,750	-2.1%

Source: Colorado Department of Labor & Employment

Individual County Breakout for Manufacturing Establishments

County	2014	2015	2016	2017	2018	% Change
El Paso	503	509	511	509	513	1.9%
Pueblo	103	105	104	104	102	-1.0%
Teller	14	15	15	16	17	17.6%
Fremont	40	38	38	37	38	-5.3%
TOTAL	660	667	668	666	670	1.5

Source: Colorado Department of Labor & Employment

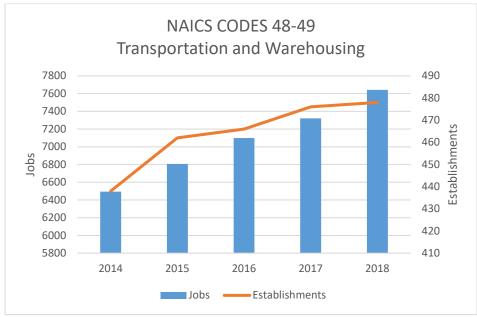
In the five-year period between 2014 and 2018, employment in the manufacturing sector declined by 2.1%, losing 346 jobs.

According to the 2019
Manufacturing Industry
Outlook* by Deloitte LLP,
the manufacturing
industry is dealing with
tight labor markets,
exacerbated by high jobopening levels and
historic low
unemployment rates.

The historical trends of the four-county region are trending with the national with the tight labor market and high job-openings, however the unemployment rates remain one of the highest in the state of Colorado.

*www2.deloitte.com/content/ dam/Deloitte/us/Documents/e nergy-resources/us-erindustrial-manufacturingoutlook-2019.pdf

Historical Trends (El Paso, Pueblo, Teller & Fremont Counties): TRANSPORTATION AND WAREHOUSING



In the fiveyear period between 2014 and 2018, employment in these sectors increased by 15.0%, adding just over 1,148 jobs.

Source: Colorado Department of Labor & Employment

Individual County Breakout for Transportation & Warehousing Jobs

County	2014	2015	2016	2017	2018	% Change
El Paso	4,827	5,041	5,234	5,392	5,625	14.2%
Pueblo	1,251	1,337	1,432	1,491	1,564	20.0%
Teller	98	86	84	86	83	-18.1%
Fremont	318	343	349	352	370	14.1%
TOTAL	6,494	6,807	7,099	7,321	7,642	15.0%

Source: Colorado Department of Labor & Employment

Individual County Breakout for Transportation & Warehousing Establishments

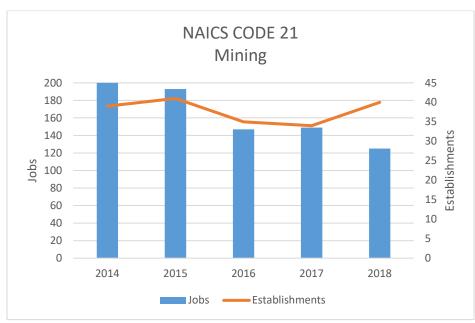
			<u> </u>			
County	2014	2015	2016	2017	2018	% Change
El Paso	311	338	339	346	354	12.1%
Pueblo	70	68	73	80	77	9.1%
Teller	17	15	15	16	18	5.6%
Fremont	40	41	39	34	29	-37.9%
TOTAL	438	462	466	476	478	8.4%

Source: Colorado Department of Labor & Employment

Transportation and warehousing have seen the strongest growth in the region for the industry sectors focused on in this analysis.



Historical Trends (El Paso, Pueblo, Teller & Fremont Counties): MINING



In the five-year period between 2014 and 2018, employment in these sectors declined by 60.0%, losing 75 jobs. However, Teller County does not report the employment in their mining industry, resulting in a less accurate depiction of this sector for the overall region.

Source: Colorado Department of Labor & Employment

Individual County Breakout for Mining Jobs

County	2014	2015	2016	2017	2018	% Change				
El Paso	96	92	65	70	57	-68.4%				
Pueblo	24	20	0	0	0	-100.0%				
Teller	*	*	*	*	*	*				
Fremont	80	81	82	79	68	-17.6%				
TOTAL	200	193	147	149	125	-60.0%				

Source: Colorado Department of Labor & Employment

Individual County Breakout for Mining Establishments

	mairiada county Dicamout for mining Lotabilities									
County	2014	2015	2016	2017	2018	% Change				
El Paso	26	30	26	24	21	-23.8%				
Pueblo	5	4	2	2	2	-150.0%				
Teller	*	*	*	*	8	*				
Fremont	8	7	7	8	9	11.1%				
TOTAL	39	41	35	34	40	2.5%				

Source: Colorado Department of Labor & Employment

^{*}The State of Colorado does not report information on Teller County mining operations, due to one major contributor to this sector. Newmont Mining Corporation has a significant multi-surface and underground operation in Teller County, employing over 500 workers.



2017 - 2018 Year Over Year Job Growth

soc	Description	Employed in Industry Group (2017)	Employed in Industry Group (2018)	Change / % Change (2017 - 2018)	% of Total Jobs in Industry Group (2018)	Median Hourly Earnings
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	64	66	2 / 3%	0.4%	\$60.68
11-3000	Operations Specialties Managers	244	249	5 / 2%	1.5%	\$61.36
11-9000	Other Management Occupations	147	150	3 / 2%	0.9%	\$44.34
11-1000	Top Executives	364	366	2 / 1%	2.2%	\$46.76
13-1000	Business Operations Specialists	779	782	3 / 0%	4.6%	\$33.21
13-2000	Financial Specialists	242	243	1/0%	1.4%	\$33.75
15-1100	Computer Occupations	678	686	8 / 1%	4.1%	\$44.34
17-2000	Engineers	997	1,017	20 / 2%	6.0%	\$46.97
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	362	367	5 / 1%	2.2%	\$23.13
19-2000	Physical Scientists	38	39	1/3%	0.2%	\$38.74
19-4000	Life, Physical, and Social Science Technicians	27	28	1/4%	0.2%	\$21.92
27-1000	Art and Design Workers	71	70	(1) / -1%	0.4%	\$17.86
27-3000	Media and Communication Workers	30	30	0 / 0%	0.2%	\$25.17
33-9000	Other Protective Service Workers	44	44	0 / 0%	0.3%	\$12.60
37-2000	Building Cleaning and Pest Control Workers	61	62	1 / 2%	0.4%	\$11.16
41-1000	Supervisors of Sales Workers	25	25	0 / 0%	0.2%	\$19.66
41-2000	Retail Sales Workers	74	75	1 / 1%	0.4%	\$11.13
41-3000	Sales Representatives, Services	65	65	0 / 0%	0.4%	\$24.76
41-4000	Sales Representatives, Wholesale and Manufacturing	430	430	0 / 0%	2.6%	\$28.41
41-9000	Other Sales and Related Workers	51	52	1 / 2%	0.3%	\$15.39
43-1000	Supervisors of Office and Administrative Support Workers	106	107	1/1%	0.6%	\$25.71
43-3000	Financial Clerks	210	209	(1) / 0%	1.2%	\$16.62
43-4000	Information and Record Clerks	569	570	1/0%	3.4%	\$14.37
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	748	751	3 / 0%	4.5%	\$15.39
43-6000	Secretaries and Administrative Assistants	260	256	(4) / -2%	1.5%	\$17.37
43-9000	Other Office and Administrative Support Workers	281	278	(2) / -1%	1.6%	\$16.91
45-2000	Agricultural Workers	53	54	1 / 2%	0.3%	\$14.23

2017 - 2018 Year Over Year Job Growth (continued)

		(2017)	Group (2018)	(2017 - 2018)	Jobs in Industry Group (2018)	Hourly Earnings
47-1000	supervisors of Construction and extraction Workers	36	36	0 / 0%	0.2%	\$28.81
47-2000 C	Construction Trades Workers	257	256	(1) / 0%	1.5%	\$19.38
47-5000 E	extraction Workers	105	103	(2) / -2%	0.6%	\$26.55
714_111111	upervisors of Installation, Maintenance, and Repair Workers	78	79	1 / 1%	0.5%	\$30.19
49-2000 E	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	67	68	1 / 1%	0.4%	\$26.84
49-3000 N	/ehicle and Mobile Equipment Mechanics, Installers, and Repairers	326	330	4 / 1%	2.0%	\$23.45
49-9000	Other Installation, Maintenance, and Repair Occupations	473	479	6 / 1%	2.8%	\$18.54
51-1000 S	supervisors of Production Workers	364	367	3 / 1%	2.2%	\$31.26
51-2000 A	Assemblers and Fabricators	932	928	(4) / 0%	5.5%	\$16.32
51-3000 F	ood Processing Workers	104	108	4 / 4%	0.6%	\$13.04
51-4000	Metal Workers and Plastic Vorkers	1,266	1,272	6 / 0%	7.5%	\$18.08
51-5100 P	Printing Workers	210	203	(7) / -3%	1.2%	\$16.18
51-6000	extile, Apparel, and Furnishings Vorkers	121	119	(2) / -2%	0.7%	\$10.67
51-7000 V	Voodworkers	188	189	1/1%	1.1%	\$16.21
51-8000 P	Plant and System Operators	31	31	0 / 0%	0.2%	\$26.37
51-9000 C	Other Production Occupations	1,403	1,417	14 / 1%	8.4%	\$15.42
54-1000	upervisors of Transportation and Material Moving Workers	186	187	1/1%	1.1%	\$24.05
53-2000 A	Air Transportation Workers	67	69	2 / 3%	0.4%	\$65.71
53-3000 N	Motor Vehicle Operators	1,997	2,027	30 / 2%	12.0%	\$14.17
53-4000 R	Rail Transportation Workers	79	85	6 / 8%	0.5%	\$28.19
53-6000 C	Other Transportation Workers	67	69	2 / 3%	0.4%	\$13.02
53-7000 N	Material Moving Workers	1,181	1,193	12 / 1%	7.1%	\$13.38
Т	OTAL / AVERAGE	16,558	16,686	129 / 1%	2.02%	\$25.26

Source: EMSI

Colorado Springs Projected Job Growth 2019 – 2021

The table below shows the <u>short-term</u> employment projections for multiple occupations in Colorado Springs MSA for the 2019-2021 projection period.

Occupation	Occupation Code	2019 Estimated Employment	2021 Projected Employment	Total 2019-2021 Employment Change	Annual Percent Change
Building and Grounds Cleaning and Maintenance	370000	11,195	11,596	401	1.78%
Business and Financial Operations	130000	20,829	21,691	862	2.05%
Construction and Extraction	470000	16,155	17,253	1,098	3.34%
Installation, Maintenance, and Repair	490000	10,573	10,950	377	1.77%
Management	110000	14,763	15,404	641	2.15%
Office and Administrative Support	430000	43,926	44,905	979	1.11%
Production	510000	9,229	9,310	81	0.44%
Transportation and Material Moving	530000	12,831	13,294	463	1.79%
Total All	000000	310,968	322,576	11,608	1.85%

Source: Colorado Labor Market Information, Occupational Employment Projections Unit

Colorado Springs Projected Job Growth 2017 – 2027

The table below shows the <u>long-term</u> employment projections for multiple occupations in Colorado Springs MSA for the 2017-2027 projection period.

Occupation	Occupation Code	2017 Estimated Employment	2027 Projected Employment	Total 2017- 2027 Employment Change	2017-2027 Annual Avg. Percent Change	Total Percent Change
Building and Grounds Cleaning and Maintenance	370000	11,681	13,765	2,084	1.66%	17.84%
Business and Financial Operations	130000	20,251	24,067	3,816	1.74%	18.84%
Construction and Extraction	470000	15,662	20,469	4,807	2.71%	30.69%
Installation, Maintenance, and Repair	490000	10,451	12,136	1,685	1.51%	16.12%
Management	110000	14,351	17,286	2,935	1.88%	20.45%
Office and Administrative Support	430000	43,157	48,236	5,079	1.12%	11.77%
Production	510000	9,105	9,255	150	0.16%	1.65%
Transportation and Material Moving	530000	12,475	14,283	1,808	1.36%	14.49%
Total All	000000	305,478	365,134	59,656	1.80%	19.53%

Source: Colorado Labor Market Information, Occupational Employment Projections Unit

ATTACHMENT: Rail Project Opportunities

The following information is a listing of projects received by the Colorado Springs Chamber & EDC since 2008, where rail was required or highly desirable.

RAIL PROJECT OPPORTUNITIES 2008-2019

PROSPECT #	TYPE	SITE/FACILITY	INVESTMENT	JOBS	AVG WAGE	LEAD	RAIL NOTE	OUTCOME	YEAR
#8561	Bottled Water Mfg	70,000-80,000 SF	Unknown	250	unknown D	irect	Near rail	unknown	2008
#9099	Renewable Energy Mfr	80,000-200,000 SF	Unknown	300	unknown Co	onsultant	Rail served	Eliminated	2009
#9038	Powder Coating Mfg	25,000-35,000 SF	Unknown	120	\$80,000 D	irect	Rail a plus	Cancelled	2009
#9033	Manufacturing	20,000-80,000 SF	Unknown	35	\$55,000 D	irect	Active rail spur	project cancelled	2009
#9084	Manufacturing	10 acres/144,240 SF	\$49,700,000	152	unknown O	EDIT	Rail preferred	Selected Phoenix	2009
#8689	Manufacturing	Site	Unknown	400	unknown Co	onsultant	Rail access	unknown	2009
#8861	PV Manufacturing	200,000-225,000 SF	Unknown	150	unknown O	EDIT	Rail preferred	Colo eliminated	2009
#8909	Manufacturing	15 acres	Unknown	50	unknown O	EDIT	Rail served	unknown	2009
#8948	Food Products	70,000 SF	Unknown	100	unknown D	irect	Rail a bonus	unknown	2010
#9027	Manufacturing	40-50 acres	Unknown	460	\$45,650 O	EDIT	Rail service a plus	unknown	2010
#8938	Steel Manufacturing	50-75 acres/150,000 SF	Unknown	200	unknown O	EDIT	Rail served	unknown	2010
#8957	Building Products Mfg	3 acres / 30,000 SF	Unknown	150	\$60,000 O	EDIT	Rail access	unknown	2010
#9058	Energy Industry Mfg	30 acres/170,000 SF	Unknown	Unknown	unknown O	EDIT	Rail access	unknown	2010
#9073	Renewable Energy Mfr	50 acres	Unknown	200	unknown O	EDIT	Near rail	unknown	2010
#9106	Renewable Energy Mfr	10-25 acres	Unknown	55	\$53,225 O	EDIT	Rail served	unknown	2010
#9085	Manufacturing/Distrib	150,000-300,000 SF	Unknown	100	unknown O	EDIT	Rail access	Colo eliminated	2010
#9142	Wind Turbine Mfg	50,000-100,000 SF	Unknown	160	unknown O	EDIT	Rail a plus	Colo eliminated	2010
#9289	Biodiesel Mfg	20 acres	Unknown	Unknown	unknown D	irect	Rail served	unknown	2011
#9189	Aircraft Mfg	20 acres/220,000 SF	Unknown	Unknown	unknown O	EDIT	Rail access	Colo eliminated	2011
#9192	Mfg/Storage/Distrib	1-2.5 acres/35,000 SF	\$10,000,000	35	unknown O	EDIT	Rail access	Cancelled	2011
#9293	Oil related	100,00-400,000 SF	Unknown	Unknown	unknown O	EDIT	Rail served	unknown	2012
#9280	Toy Manufacturing	125,000-150,000 SF	Unknown	50-100	unknown D	irect	Rail a plus	unknown	2011
#9194	Wind Turbine Mfg	75,000 SF	Unknown	Unknown	unknown O	EDIT	Rail access	unknown	2012
#8961	Wind Energy Mfg	40 acres	\$35,000,000	300	0	EDIT	Rail access	Selected Wyoming	2012
#9371	Steel Products	60,000-120,000 SF	Unknown	Unknown	unknown O	EDIT	Rail served	unknown	2013
#9272	Equipment Mfg	23,000 SF	Unknown	60	\$35,000 O	EDIT	Rail access	unknown	2013
#9282	Transportation Logistics	40,000 SF	Unknown	150	unknown D	irect	Rail preferred	Cancelled	2013
#9352	Mfg/Assembly/Distrib	50-100 acres	Unknown	500	unknown O	EDIT	Rail a plus	Colo eliminated	2013
#9231	Steel Mfg Start-Up	10,000 SF	Unknown	50	unknown D	irect	Rail access	Cancelled	2014
#9493	Chemical Mfg	7,500-10,000 SF	Unknown	50	unknown O	EDIT	Rail served	unknown	2014
#9438	Steel Processer	15 acres/100,000 SF	Unknown	Unknown	unknown O	EDIT	Rail preferred	unknown	2015

PROSPECT #	TYPE	SITE/FACILITY	INVESTMENT	JOBS	AVG WAGE	LEAD	RAIL NOTE	OUTCOME	YEAR
#9456	Natural Gas Processer	10 acres	Unknown	50	unknown (OEDIT	Rail access	unknown	2015
#9500	Chemical Processing	Site	Unknown	20	\$80,000 (OEDIT	Rail preferred	unknown	2015
#9503	Manufacturing	50,000-75,000 SF	Unknown	450	\$38,204 (OEDIT	Rail preferred	unknown	2015
#9533	Manufacturing	3 acres / 35,000 SF	\$2,600,000	30	unknown (Consultant	Rail access	unknown	2016
#9589	Consumer Product Mfg	200 acres	Unknown	350	unknown [Direct	Rail served	unknown	2016
#9580	Food Manufacturing	40 acres/200,000 SF	\$340,000,000	500	\$50,000 (OEDIT	Rail served	Selected Longmont, CO	2017
#9678	Food Manufacturing	50-100 acres/100,000 S	Unknown	Unknown	unknown (OEDIT	Rail a plus	Dead	2018
#9694	Manufacturing	30,000-50,000 SF	\$2,500,000	25	\$75,000 (OEDIT	Rail served	Dead	2018
#9698	Manufacturing - Pet Prod.	2-3 acres / 50,000 SF	Unknown	25	unknown [Direct	Rail access	unknown	2018
#9717	Manufacturing - Board Mil	II 50 acres	Unknown	230	Unknown (OEDIT	Rail access	ongoing	2019

5707

\$439,800,000

ATTACHMENT: Rail Sample Information Request

The following detail outlines a recent Request for Information from a consultant representing a company looking for a site with direct rail access.

Project Description

Project is a confidential client carrying out a preliminary site selection for the installation of a new recycled containerboard mill in the Western United States.

Job Creation

- Estimated 230 full time jobs initially; long term growth projections are unknown at this time
- Average annual wages not known at this time

Key Decision Making Factors

The following factors have been identified as key drivers for this project. In addition to broker's brochures for available sites, communities should also submit information that addresses the following:

- Workforce
 - Average local salaries for advanced manufacturing/assembly/construction/logistics workers
 - Size of local available workforce for the positions mentioned above
- Incentives
 - o Types of local incentives that could be offered to support the project
- Logistics data
 - Distance to major airports
 - Access to major highways
 - General accessibility to and from the site (will large trucks be accommodated/welcomed - 17,000 metric tons/80 trucks coming in per day)
 - Prefer greenfield sites, but brownfield could be okay if key specifications are met
- Population of city and proximity to other large cities
 - o The company wants to be within a 90 minute drive of the Metro Denver area

Project Specifics

Product: Recycled Containerboard

Capacity: 500,000 st/yr Work days: 358/yr

Raw Material Requirements

OCC/Mixed Papers: 570,000 st/yr

Site Requirements

Size: 50 acres (20 ha)

Access:

- Good connections with short distance access to roads/highways
- Direct rail access
- Commercial airport

Other Requirements:

- Close to cities, but preferably without side by side neighbors
- Skilled labor accessibility: 230 of which 30 professional/management
- Industrial, developable land
- Possibility to develop 40% covered area
- Low flooding and seismic risks
- Water availability and effluent discharge capacities as per data in the following table

Other Infrastructure:

- HV power line, above 110 kv
- Natural gas pipeline: 75/360 psi (without/with Combined Heat and Power Plant)
- Broadband connections

Environmental Conditions:

- Capability to accept air and water emissions, etc. as per environmental standards
- Restrictions related to discharge loadings (volume, pollutants, etc.)
- Airshed quality and capacity to accept pollutants (NOx, CO, PM, etc.)

Energy Requirements

st steam/st paper: 1.82 st steam/yr: 910,000

Electricity Consumption

kWh/st paper: 380 kWh/year: 190,000,000

Note: Gas consumption and electricity requirements from the grid could vary according to three potential scenarios for the steam/power plant configuration:

- Case 1: Low pressure boilers to generate the heat demands from process;
- Case 2: High pressure boiler and associated counter pressure steam turbine;
- Case 3: Gas fired combined heat and power plant (CHP).

		Case 1: Low pressure package boilers	Case 2: High pressure boilers/ST	Case 3: CHP
Gas Consumption				
Hourly	Thousand cubic feet	417	480	632
Daily	Thousand cubic feet	8,002	9,210	13,176
Gas pressure required	PSI	72.5	72.5	362.5
Electricity summary			$\langle \langle \cdot \rangle \rangle$	
Max imports from grid	kW	27,036	27,736	27,736
Max imports to grid	kW	0	13,629	50,800
On site generation:				
Gas turbine	MW	0	0	40
Steam turbine	MW	0	15	12
Total	MW	0	15	52

Water and Effluent

Water and Effluent			
Water			
Average consumption per st	US gal/st	1,585	1,717
Average consumption per day	US gal/st	2,213,715	2,398,191
Total yearly consumption	US gal/st	793,510,000	858,552,500
Maximum consumption/day	US gal/st	2,656,458	2,877,830
Water extraction permit	US gal/st	3,037,955	3,170,040
Effluent to be discharged			
Average discharge per st	US gal/st	1,321	1,453
Average discharge per day	US gal/d	1,844,763	2,029,239
Total yearly discharge	US gal/yr	660,425,000	726,457,500
Maximum discharge per day	US gal/d	2,213,715	2,435,087
Effluent discharge permit	US gal/d	2,656,458	2,773,785
Anticipated effluent quality			
рН	7 to 9		
BOD	18 ppm		
COD	240 ppm		
Total suspended solids	30 ppm		
Total nitrogen	15 ppm		
Total phosphorus	1 ppm		
·	-	-	· · · · · · · · · · · · · · · · · · ·

Color	Pale, yellow, tansparent. A TCU value will have to be generated.		
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Solid Waste Disposal

Anticipated amount: 80,000 st/yr @ 50% dryness

Landfill sites available in the region or potential for agricultural or other beneficial reuse, including energy production.

Project Timeline

The company wants to make a decision on location by February 15, 2019.

Site and contact information

Site location (town, county, state)	Fountain, El Paso County, Colorado
Address / zip code	116 S. Main Street, 80817
Contact name	Kimberly Bailey
Organization	City of Fountain/ Fountain Urban Renewal Authority
Telephone	719-322-2056
Email	kbailey@fountaincolorado.org

Land and buildings

A - Land

Area available	~1,700 acre site
Location (town and county)	Fountain - El Paso County
Cost	negotiable
Can you provide a site topographic map (2' contour on 50 ft grid)?	Yes
Can you provide a copy of the US Geological Survey map for the area?	Pending
Can you provide a recent aerial photo of the site?	Yes
Current and prior use of site	Mining and Agricultural
If brownfield, what is the status: contamination, remediation, etc.	Portions of mining site area are in reclamation phase with conclusion by Summer 2019 and released for business development

B - Neighborhood

General description of industrial base in	Manufacturing; Transportation & Logistics;
area	Homeland Security; Aerospace & Defense; IT
Who are the main neighbors of the site	Fort Carson "Army" Military Base; Ray Nixon Power
(name and activity)?	Plant (CSU); Pavestone; Schmidt Construction;
	Trustway; Pikes Peak International Raceway
Can one of the neighbors provide the	Yes
required steam?	
Approx. time for emergency response	< 7 mins.
(fire, EMT, etc.)	
Other comments	Fiber Broadband as Utilities Enterprise is under-
	consideration to support large scale business
	development

<u>Utilities</u>

A - Natural gas

Is natural gas available on site?	No
If yes:	
Who is the provider?	
Can they provide the required volume?	
Delivery pressure, volume (existing infrastructure)	
Age of existing gas infrastructure and opinion on status	
Typical gas price and structure?	
Who pays for meter set and piping to the building?	
Are there any incentives / rebates available?	
If no:	
Is the required gas volume available in the area?	Yes
Who would be the provider?	Black Hills Energy
Who would pay for infrastructure costs?	Private/Public Partnership Infrastructure

B - Electricity

Is there an existing infrastructure on the site?	Yes to support Mining Operations
If yes:	
Who is the provider?	Fountain Utilities
Capacity of existing transformers	TBD
Age of existing transformers and opinion on status	TBD
Typical electricity price structure	See Matrix
Who owns/maintain transformers?	Fountain Utilities
Are there any incentives / rebates available?	TBD
If no:	
Is enough electricity available in the area?	Utilities substation to begin construction August 2019 to support business development
Who would be the provider?	Fountain Utilities
Who would pay for infrastructure costs?	Public Infrastructure

C - Potable Water

Is the site connected to the municipal potable water system?	Yes
If yes:	
Capacity of the system (main size, rate, pressure, etc.)	Current capacities support Mining operation; site service to be upgraded with large scale business development
Opinion on status of system, including backflow preventer	
Fees associated with use (\$/USG)	
If no:	
Who would pay for the connection infrastructure?	Public/ Private Infrastructure

D - Process Water

D - Process Water	
What would be the source of process water?	Fountain Utilities
If River:	
Name of river from which water would be drawn	
River flow	
River water quality (temperature, hardness, pH, solids, etc.)	
If Groundwater:	
Well capacity (USGPM)	
Well water quality (temperature, hardness, pH, solids, etc.)	
If Municipal water system:	
Capacity of the system (main size, rate, pressure, etc.)	TBD
Age of existing system and opinion on status	New Infrastructure for on site development
Fees associated with use (\$/USG)	TBD

E - Process Effluent

L 110cc33 Efficient	
Where the waste water will be discharged?	
If River:	
Total maximum daily load (TMDL) status of river	
Effluent quality required (primary/secondary treatment, BOD, SS, COD, etc.)	
If Municipal Sewer System:	
Tipping fee formula (BOD/TSS/flow)	
Restrictions in place (concentration, seasonal issues, etc.)	
If Other Options	
What are they?	Fountain Sanitation District Authority
What would be effluent quality required?	Pending

F - Storm water

Discharge point	N/A
Restrictions?	At be assessed at time of business development

G - Solid Waste

Landfill site location	3 locations: Fountain; Midway; Waste Connections
Distance from site	within <40 mile radius of site
Tipping Fee	TBD
Is there potential for waste repurposing in the region (reuse, use, etc.)?	Yes

Transportation and logistics

A - Roads and trucking	
Major access to site	Yes: I-25 and Charter Oak Ranch
Major interstate and distance from it	I-25 ; ~2.5 miles
Road network capacity	Heavy freight
Any restrictions (number of trucks allowed/d, size restrictions, doubles)	N/A
Traffic characterization in the area	Industrial Freight; Military Armory Freight
Who pays to construct roads?	City; County; PPACG: Private Development
Special road maintenance? (i.e. snow plowing, repairs)	TBD

B - Rail

Is there an existing access to site?	Ray Nixon Power Plant and Fort Carson Service
Who is the carrier providing service to the region?	Dual Service via BNSF and UPRR
How many railroad switches per week?	TBD
What are typical rates?	Variable
Reliability (age of rail, condition of railroad ties)	Front-Range Primary Service Lines; Hearty Maintenance Program
New construction arrangements needed? (Who pays for what and to where)	Public/ Private Infrastructure

C - Sea port

Location	N/A
Distance	N/A

D - Airports

- · · · · p · · · · ·	
Major airport location	2 Airports
Major airport distance to site	Denver International Airport 97.4 miles
Regional airport location	7770 Milton E. Proby Parkway, 80916
Major Regional distance to site	Colorado Springs Airport 11.7 miles

E - Logistics

Presence of a carrier close to site	Multiple Service Providers within Region
Capacity for intermodal transportation	Within Front-Range Accessibility

Employment and labor

A - Unemployment

State unemployment rate	3.4%
Regional unemployment rate	3.9%

B- Manufacturing

D Mariaractaring	
Average manufacturing rate (\$/h)	Machine Operators: \$14.38
	Mfg - Machine Operator / Assembler: \$ 13.82
	Manufacturing/Plant Manager: \$ 60.00
Manufacturing base	The Pikes Peak region has over 400 manufacturing
	companies.
Experience related to Pulp & Paper?	TBD
Trade schools in vicinity	Pikes Peak Community College
	The MILL National Training Center
	Pueblo Community College
Colleges and universities in vicinity	University of Colorado Colorado Springs
	Colorado State University - Pueblo

C- Construction

Average construction rate (\$/h)	End Dump Truck: \$22.15
	Mechanic - Shop Heavy: \$25.60
	Project Manager - Journey: \$41.77
Construction activity in area: current	Moderate to Strong construction activity in the
and forecast	region
Trade flexibility	TBD
Trade schools in vicinity	Pikes Peak Community College
·	The MILL National Training Center
	Pueblo Community College

Taxes and Incentives

A -State taxes

A -State taxes	
Provide list of possible state taxes (ex.	Colorado State Franchise tax - none
assets, inventory, franchise, etc.)	Colorado State Inventory tax - none
	Colorado State Motor fuels tax - Gasoline, gasohol
	- 22.0 cents per gallon state;
	18.4 cents per gallon federal
	Special fuels (diesel, kerosene) - 20.5 cents per
	gallon state;
	24.4 cents per gallon federal
	*Federal Fuel tax credit available for non-highway
	use
	Colorado State Occupation tax - none
	Colorado State Severance tax - mining or
	extraction operations only
	Colorado State Software property tax - none
	Colorado State Unitary tax method - requires
	members of an affiliated group to file a combined
	return to determine the portion of total income
	that may be attributable to Colorado.
	Unemployment tax new employers - 1.70% of first
	\$13,100 of wages
	Unemployment tax experienced employers - 0.62%
	- 8.15% of first \$13,100 of wages (state rates vary by industry)
	Source: Stockman Kast Ryan & Company, January 2019
Applicable rate and conditions	Colorado Income Tax: 4.63%
Applicable rate and conditions	Colorado State Sales & Use Tax: 2.90%
Tax incentives and other programs	Enterprise Zone± (see matrix)
available?	Enterprise Zone (see matrix)
a randotti	

B - Local taxes

D Local taxes	
Provide list of possible local taxes (ex.	Business Personal Property Tax
assets, inventory, franchise, etc.)	Tax calculation:
	Market Value x Assessment Level x Mill Levy =
	Approximate Taxes Due
	Example:
	A property with a market value of \$2,000,000
	\$2,000,000 x 0.29 x 0.075

	Property tax = \$43,546
Applicable rate and conditions	Sales and Use Tax:
	State Tax = 2.90%
	El Paso County Tax = 1.23%
	City of Fountain Tax = 3.75%
	Total Tax = 7.88%
Tax incentives and other programs available?	Fountain Urban Renewal Authority± (see matrix)

C - Incentive programs available in region

· · · · · · · · · · · · · · · · · · ·	
Incorporation tax credit	Yes
Investment tax credit	Yes
Job training credit	Yes
Procurement tax credits	No
Community enhancements grants	Yes
Brownfield development incentives	Yes
Other incentives	See Matrix

Permitting and environmental

A -General

/ CCC. W.	
Is there permitting assistance available?	DRT (City); Fast Track Permitting (County)
What is the general structure for	El Paso County
permitting, (state, county, city, etc.)	
License requirements for:	
Boiler operators	TBD
Wastewater treatment operators	TBD
Other operators	TBD

B - Permits required (when applicable) and expected required time to obtain

b i cilinto i equil eu (wileii applicable	,
Air	Pending Details
Pre-existence of Title V permit for site	
(if yes, please provide, if possible, a copy of the permit)	
Attainment status of area	
Fresh water	Pending Details
Pre-existence of water withdrawal permit for site	
(if yes, please provide, if possible, a copy of the permit)	
Effluent	Pending Details
Pre-existence of a National Pollutant Discharge Elimination System (NDPES) permit	
(if yes, please provide, if possible, a copy of the permit)	

Total maximum daily load (TMDL) status of river	
Storm water	Pending Details
Pre-existence of storm water discharge (if yes, please provide, if possible, a copy of the permit)	

C - Noise

Levels permitted from site	Heavy Industrial Boundary ; Fort Carson Base
Special considerations at site	Height restrictions may apply with Butts Army Airfield (per proximity of development site)

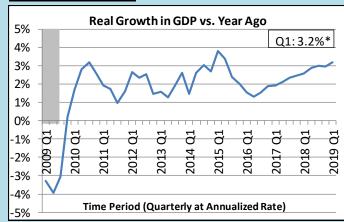


ATTACHMENT: Dashboard June 2019

The following report is a monthly report created by the University of Colorado Colorado Springs which gives an overview of the Colorado Springs labor force, employment opportunities, wages, military, demographics and more.

The Big Picture

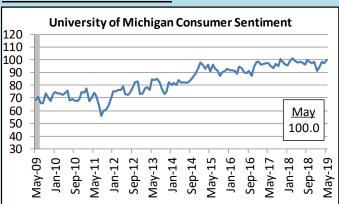
U.S. Quarterly GDP



Source: U.S. Bureau of Economic Analysis

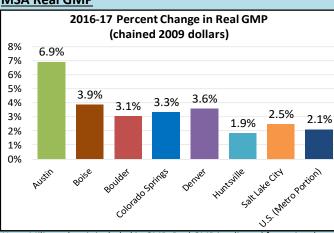
*May release of Real GDP Percent Change from Q1 Year Ago, SA

U.S. Consumer Sentiment



Source: University of Michigan

MSA Real GMP



Note: Military data is included in GMP. Real GMP is adjusted for regional price parity (RPP). Percentage change compares 2017 to 2016 real GMP. Source: U.S. Bureau of Economic Analysis

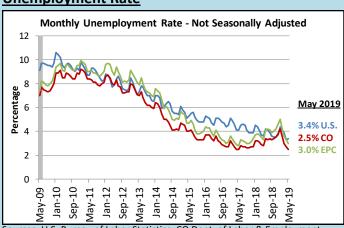
Labor Force/Employment

U.S. Non-Farm Job Openings



Source: U.S. Bureau of Labor Statistics; Job openings data lags.

Unemployment Rate



Sources: U.S. Bureau of Labor Statistics; CO Dept. of Labor & Employment LAUS; Data not seasonally adjusted.

Inflationary Measures

U.S. Consumer Price Index - May 2019				
All items Less food & energ				
Change from April 2019 to				
May 2019 (SA) 0.1% 0.1%				
Last 12-months (NSA) 1.8% 2.0%				

Source: U.S. Bureau of Labor Statistics; data for all urban consumers (CPI-U)



Economic Forum

COLLEGE OF BUSINESS

UNIVERSITY OF COLORADO
COLORADO SPRINGS

updated (06/21/2019)

Local Labor Force/Employment

Colorado Springs MSA Job Openings

May 2019

Average daily job openings: 13,884

Average posting duration: 26 days

Median salary of posted jobs: \$78,650

Colorado median salary: \$74,650

Top Job Titles

Registered Nurse (1,735 jobs)

Software Engineer (948 jobs)

Customer Service Rep (937 jobs)

Systems Engineer (882 jobs)

Systems Administrator (783 jobs)

Administrative Assistant (725 jobs)

Certified Nursing Assistant (704 jobs)

Medical Assistant (702 jobs)

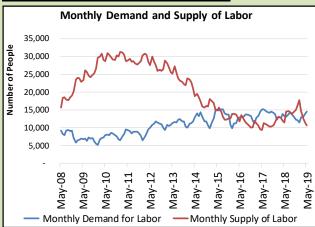
Driver Cdl (684 jobs)

Sales Rep (636 jobs)

May 2019			
Demand for Labor Supply of Labor			
14,489	10,566		

Sources: Pikes Peak Workforce Center—CEB TalentNeuron™; U.S. Bureau of Labor Statistics; CO Dept. of Labor and Employment; UCCS Economic Forum

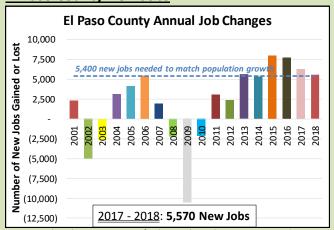
Colorado Springs MSA Labor Force



Sources: Pikes Peak Workforce Center—CEB TalentNeuron™; U.S. Bureau of Labor Statistics; CO Dept. of Labor and Employment; UCCS Economic Forum

Local Employment/Wages

El Paso County New Jobs



Source: Colorado Department of Labor and Employment, Quarterly Census of Employment and Wages (QCEW); UCCS Economic Forum

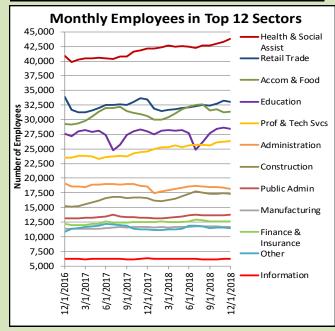
Actual New jobs in El Paso County 2017 to 2018: <u>5,570</u>

Estimated New Jobs Needed (2015-2020) 5,400 (or 2% growth rate)

Note: QCEW data lags by up to two quarters and does not include military-related employees.

Sources: U.S. Bureau of Labor Statistics and Colorado Department of Labor and Employment, QCEW. See military section for military employment sources.

El Paso County Employment in Selected Sectors

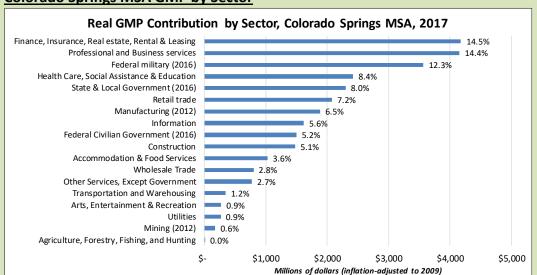


2018 Average Annual Wages for All Industries			
U.S.	Colorado	El Paso County	El Paso County Total Employment
\$57,265	\$58,916	\$50,492	276,351
El Paso County wages are <u>11.8%</u> lower than U.S. wages.			
El Paso County wages are <u>14.3%</u> lower than CO wages.			
*Estimated i	military employi	ment in 2017 (and	-c +cc (+- cc/)

% of total EPC employees who are military).

56,168 (17.2%)

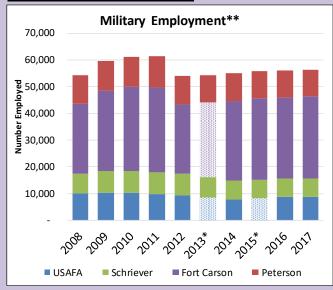
Colorado Springs MSA GMP by Sector



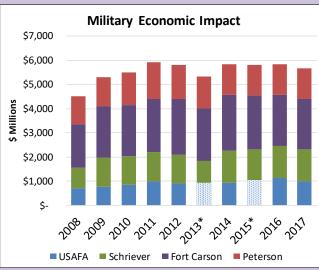
Manufacturing and Mining data last disclosed in 2012. Government data last disclosed in 2016. Source: U.S. Bureau of Economic Analysis

Military

El Paso County Employment



Expenditures in El Paso County



*2013 and 2015 data was not available for all locations. Textured bars are an estimate in 2013 and 2015 made by the UCCS Economic Forum .

**The employment numbers for Schriever and Peterson include significant numbers of civilian contractors. The employment numbers for USAFA include cadets and several kinds of contract workers.

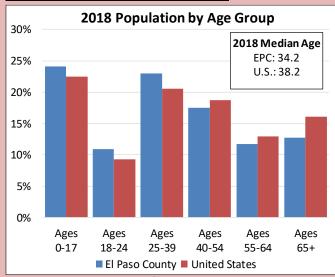
Sources: Department of Military and Veteran Affairs; Colorado Springs Chamber of Commerce & EDC; respective military installations

Demographics

2018 Population				
Colorado El Paso Colorado Springs				
Springs (city)	County MSA			
472,688	713,856	738,939		

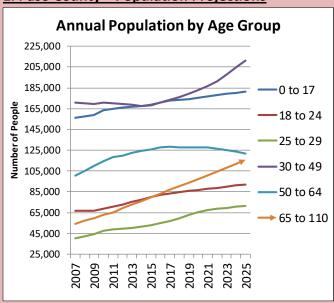
Colorado Springs MSA is made up of El Paso and Teller Counties. Source: U.S. Census Bureau, Population Division

El Paso County & U.S. Age Groups



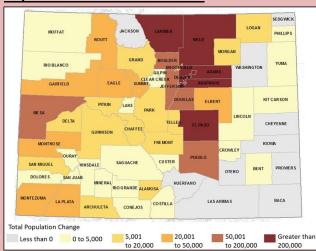
Source: U.S. Census Bureau, Population Division

El Paso County—Population Projections



Source: Colorado Department of Local Affairs, State Demography Office

Population Growth 2015-2050

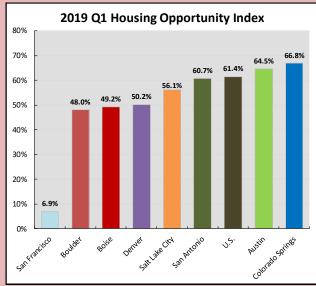


The State Demography Office projects a population increase of **400,308** additional people between 2015-50.
Source: Colorado Department of Local Affairs, State Demography Office

Population Estimates 2015 2050 El Paso County 674,933 1,075,535 Colorado 5,444,871 8,105,925

Source: Colorado Department of Local Affairs, State Demography Office

Cost of Living

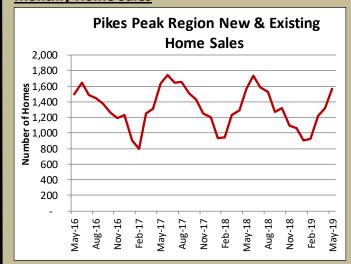


Notes: The Housing Opportunity Index (HOI) is defined as the share of homes sold in that area that are affordable to a family earning the local median income, based on standard mortgage underwriting criteria. It includes new and existing homes.

Sources: National Association of Home Builders; Wells Fargo

Real Estate

Monthly Home Sales

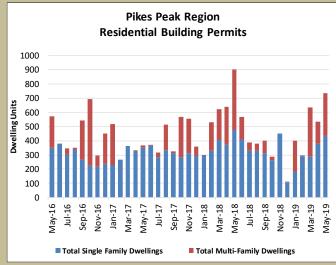


Median Existing Single-Family Home Price 2019 Q1

Location	Colorado Springs	Denver	Boise	United States
Price	\$296,400	\$446,600	\$269,400	\$254,800
1-year	0.1%	1.2%	9.5%	3.9%
% Change	decrease	increase	increase	increase
MSA Rank	27	11	46	n/a

Sources: Pikes Peak REALTOR® Services Corp.; National Association of REALTORS® Includes existing homes only.

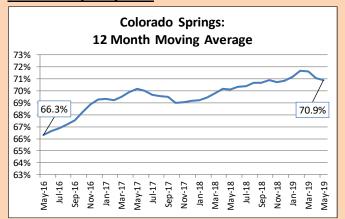
Monthly Building Permits



Source: Pikes Peak Regional Building Department

Tourism

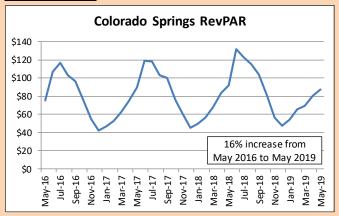
Hotel Occupancy Rate



Hotel Occupancy Rate May 2019				
Colorado Springs Denver Colorad				
73.6%	77.6%	69.5%		

Source: Colorado Hotel & Lodging Assoc., Rocky Mountain Lodging Report

Hotel RevPAR

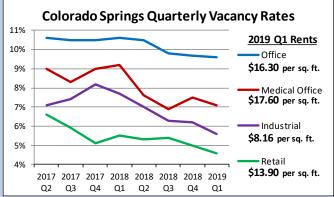


Hotel RevPAR May 2019				
Colorado Springs Denver Colorado				
\$87.11	\$112.99	\$99.29		

Source: Colorado Hotel & Lodging Assoc., Rocky Mountain Lodging Report

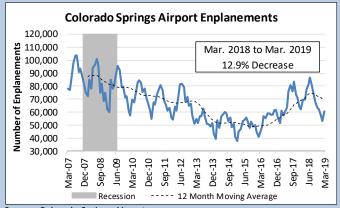
Additional Metrics

Colorado Springs Commercial Real Estate



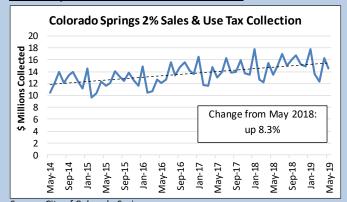
Sources: CoStar Group™; Olive Real Estate Group, Inc.

COS Enplanements



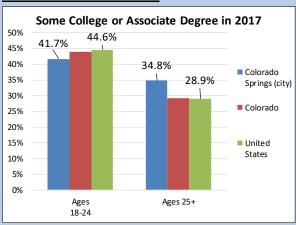
Source: Colorado Springs Airport

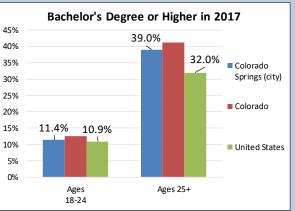
Monthly Sales & Use Tax Collection



Source: City of Colorado Springs

Educational Attainment





Source: U.S. Census Bureau, American Community Survey

U.S. Interest Rates



Source: Board of Governors of the U.S. Federal Reserve System

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TMR Direct

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U.S. Bank

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