

Labor Market Trends

September 11, 2019

Today's Agenda



2:00 pm Welcome

Regional Demographics Cheryl Fambles

2:30 pm Targeted Industry Sectors Jason Robertson

3:50 pm Break

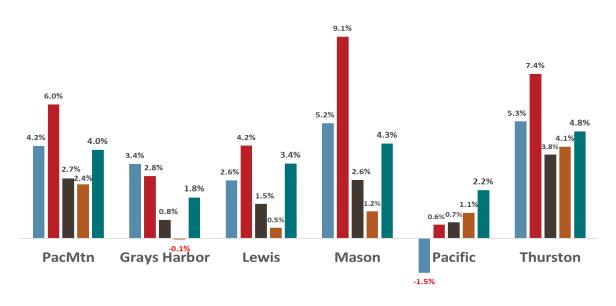
4:00 pm The Future of Work

Joe Wilcox & Lewis McMurran

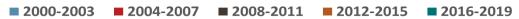
4:40 Next Steps



Population Growth in a Time of Recovery







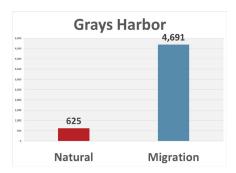
Migration Drives PacMtn Population Growth



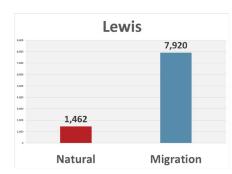
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Components of Population Change





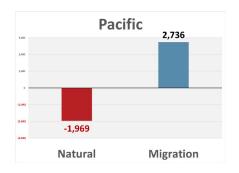
7% growth



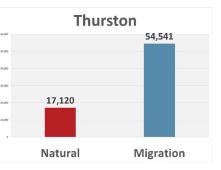
13% growth



28% growth



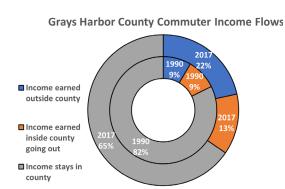
Source: PacMtn analysis of Washington Office of Financial Management population data.

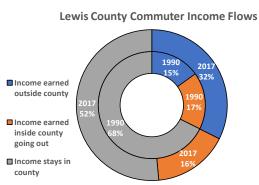


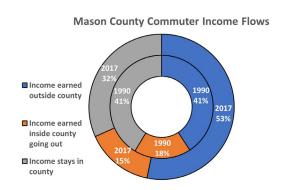
4% growth 34% growth

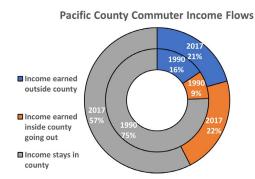
Where Do We Work?

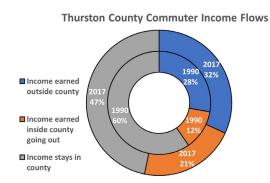












Source: PacMtn analysis of Bureau of Economic Analysis data



Priority Populations



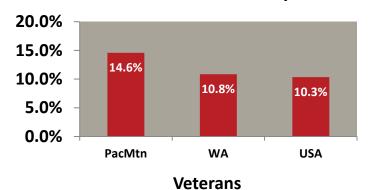
Among WA 12 Workforce Areas PacMtn is:

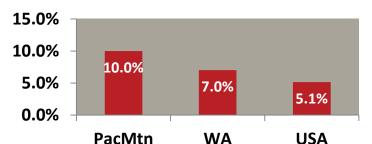
- 1st in the percentage of homeless adults
- 1st in the percentage of youth in foster care or aged out
- 3rd in the percentage of low income disabled adults

In this region:

- 1,426 persons homeless
- 42,608 working age adults with a disability
- 726 youth disconnected

Persons with a disability 18-64



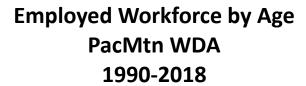


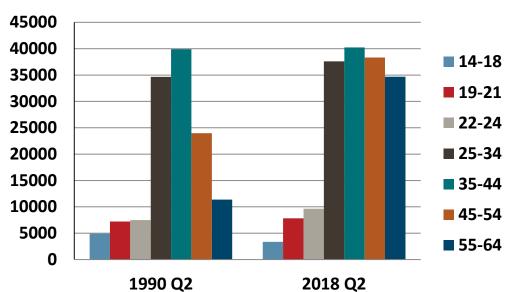
"Disconnected youth" are 16-19 year olds who are (1) not in school, (2) not high school graduates, and (3) either unemployed or not in the labor force. "Working age" is 18-64. "Low income" is annual income below 200% of the poverty line.

Sources: PacMtn analysis of 2013-2017 American Community Survey data; Washington Department of Commerce Point-In-Time Homeless Count, 2019; Washington Workforce Training and Coordinating Board draft estimates of barrier populations, 2019

An Aging Workforce







Median Age, 2018			
King	36.23		
Pierce	37.52		
Thurston	40.57		
Kitsap	42.87		
Lewis	43.53		
Grays Harbor	44.00		
Mason	45.94		
Pacific	54.54		

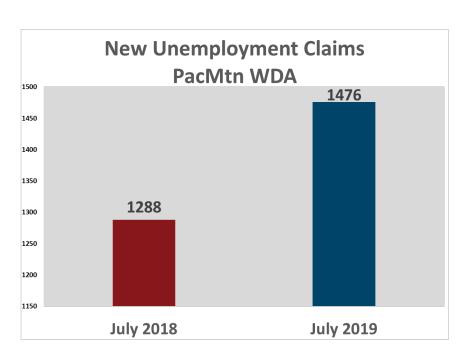
Source: Washington Office of Financial Management. April 1 annual population estimates.

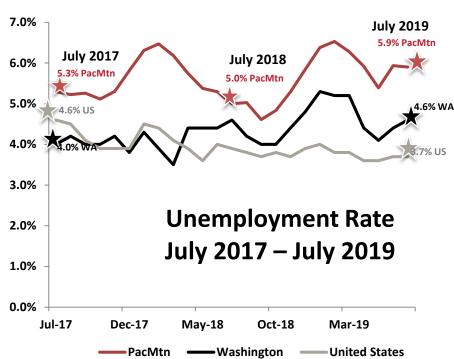
Source: PacMtn Analysis of U.S.Census Bureau data, Center for Economic Studies, LEHD



Unemployment Slowly Trending Up



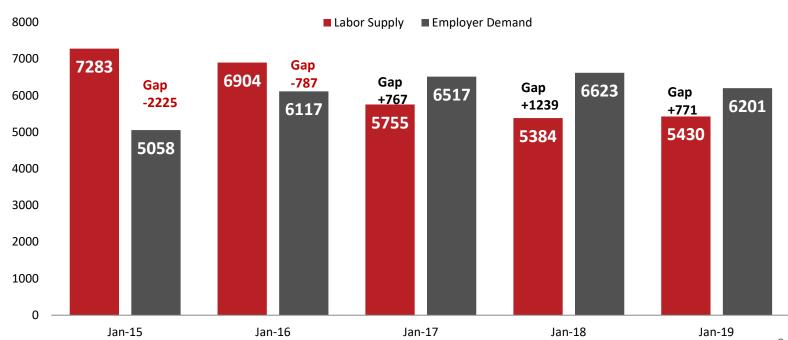






Labor Market: Supply-Demand

PacMtn WDA 2015-2019



Unemployment %...not the whole story



Geographic Area	Unemployment (U-3) July 2019*
US	3.7%
Washington	4.5%
PacMtn	5.9%
Grays Harbor	7.1%
Lewis	6.7%
Mason	6.7%
Pacific	6.9%
Thurston	5.3%

July 2019 data, U.S. Bureau of Labor Statistics, Washington Employment Security Department and PacMtn (for PacMtn metric).

According to a State Workforce Board report,

there are approximately

74,440 people:

They are not in school and...

- ✓ They are unemployed and are seeking work -or-
- ✓ They are working, but earning less than200% below the poverty line

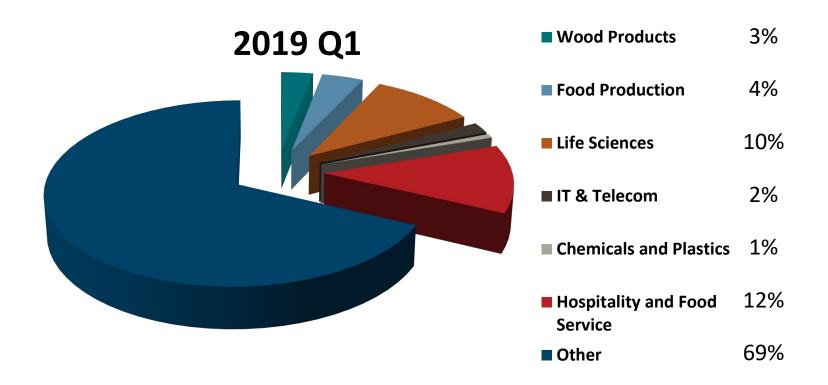
Source: 2019 Annual Estimates: People with Employment Barriers. Washington State Workforce Training & Education Coordinating Board. June 2019 (Draft)

^{*}Not seasonally adjusted.



Sectors – Share of Total Employment



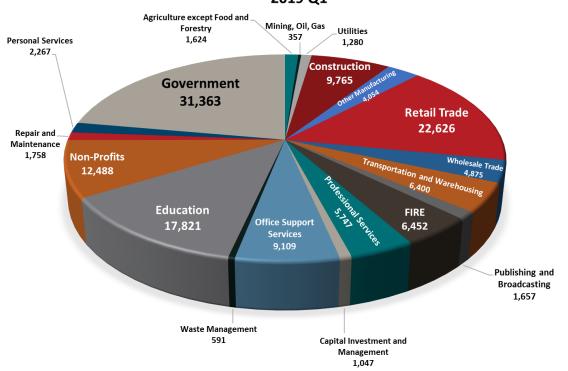




What is "Other?"



EMPLOYMENT IN INDUSTRIES OUTSIDE PACMTN SECTORS 2019 Q1



- 65% of PacMtn's manufacturing employment is represented by PacMtn sectors. "Other Manufacturing" represents the rest.
- FIRE is Finance, Insurance and Real Estate
- Non-Profits include non-governmental social assistance as well as religious and civic organizations
- Office Support Services are contractors that supply administrative office workers

Source: PacMtn analysis of QCEW data



Thoughts and observations?



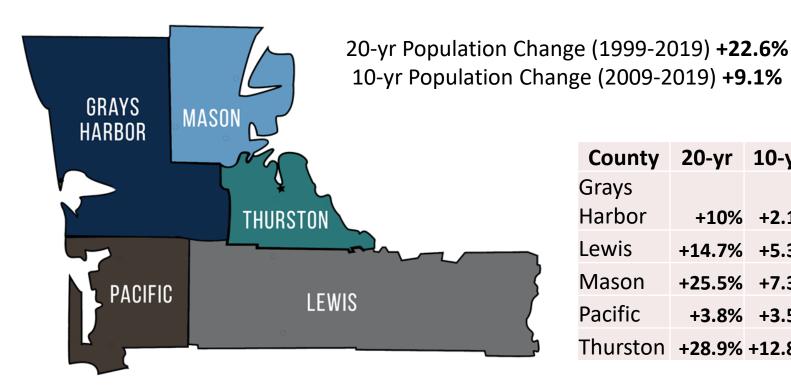


Reference Slides



PacMtn Region

Over **7000** sq. miles Total Population (2019) **526,060**

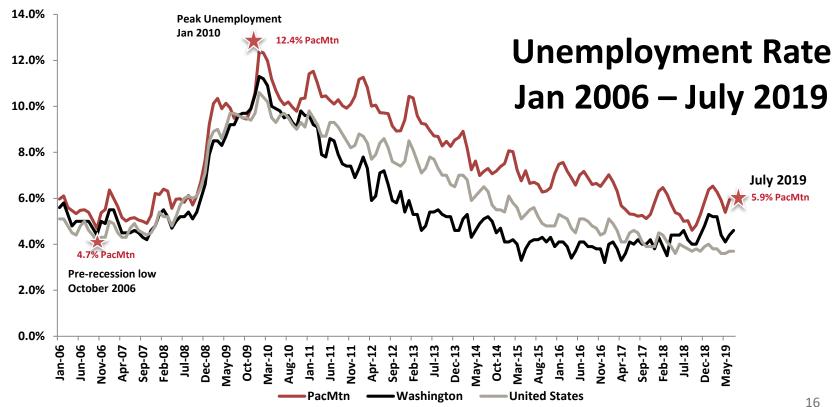


County	20-yr	10-yr
Grays		
Harbor	+10%	+2.1%
Lewis	+14.7%	+5.3%
Mason	+25.5%	+7.3%
Pacific	+3.8%	+3.5%
Thurston	+28.9%	+12.8%



Unemployment: Before & After





Barrier Demographic Detail by WDA



	Low		Foster	
	Adult	Income	Care (or	
WDA	Homeless	Disabled	aged out)	
Benton-Franklin	1.1%	10.7%	0.4%	
WF Central (Pierce)	2.2%	11.6%	0.6%	
Eastern	1.4%	13.0%	0.4%	
North Central	1.3%	10.4%	0.4%	
Northwest	1.9%	12.2%	0.4%	
Olympic	2.0%	12.7%	0.7%	
Pacific Mountain	2.5%	12.6%	0.9%	
SeaKing	1.6%	9.2%	0.3%	
Snohomish	1.4%	10.5%	0.4%	
South Central	1.8%	9.6%	0.8%	
Southwest	1.7%	11.5%	0.6%	
Spokane	2.2%	10.6%	0.6%	



Trends in PacMtn Industry Sector Employment

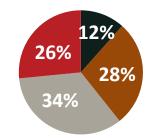


15-year Employment Change by Sector							
Industry % Total	Total - All Industries	Wood Products 3%	Food Production & Manufacturing 4%	Life Sciences 10%	IT & Telecom 2%	Chemicals & Plastics 1%	Hospitality Tourism 12%
2019 Q1	199,306	5,421	7,025	20,243	4,619	1,315	23,410
2-year change	3%	-0.5%	-3%	5%	15%	-5%	6%
15-year change	18%	-35%	21%	38%	55%	-6%	43%

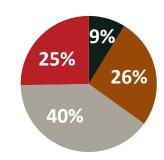


Local employers prefer hiring workers with at least some postsecondary experience

Population aged 25-64 PacMtn WDA



Educational Attainment Employed Workers aged 25-64 PacMtn WDA



- Less than high school
- High school or equivalent, no college
- Some college or Associate degree
- Bachelor's degree or advanced degree
 - Less than high school
 - High school or equivalent, no college
 - Some college or Associate degree
 - Bachelor's degree or advanced degree

Data Resources



Regional Employment Snapshot

6 Regional Sectors

Sector Statistical Report – <u>Life Sciences</u>

Example of Sector Overview - <u>Life Sciences</u>

Example of Career Pathway – Nursing Assistant

2018 Regional Impact Report and the Executive Summary

PacMtn Industry Cluster Update Interim Progress Report

September 2019

Approach

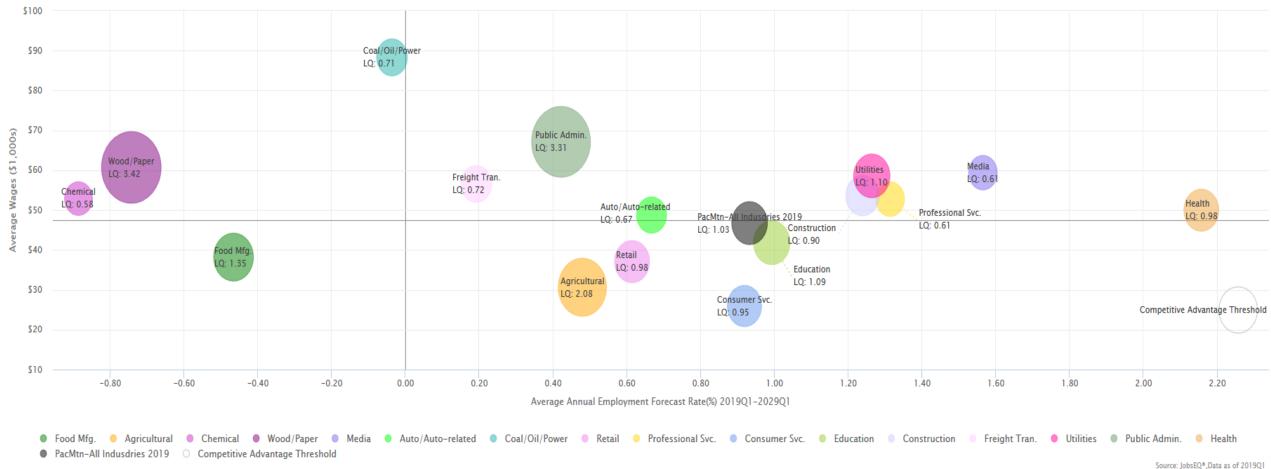
- "Two Track" vs. "Catch-All" (aka "Miss Some")
 - 1. Industry (continued focus on building community wealth)
 - 2. Workforce (public sector back in play)
- Actionable Information
 - How to interpret at-a-glance
 - How to query-dig deeper
 - County-specific insights
 - Point to opportunities for colleges/non-profits partners
- Universal AND Customized Products
 - Regional workforce training bang for buck
 - EDC strategic advantages and untapped opportunities
 - Baseline for CEDS and EDA certification

Cluster Check

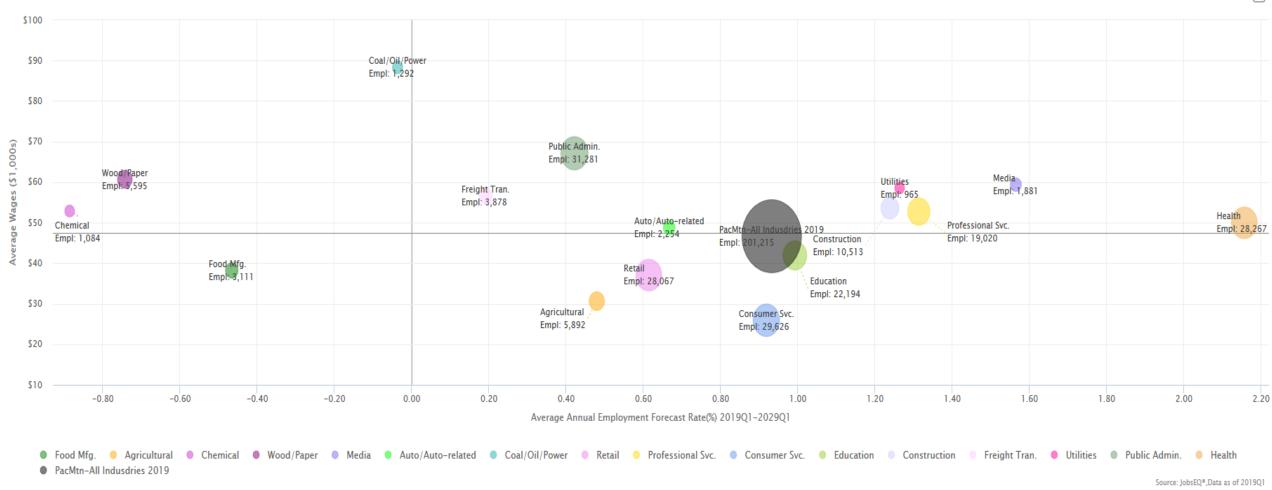
- General Alignment with Prior Study
- Evaluated for User Groups
 - LQ/Shift Share (major trends, emerging industries)
 - Industry Employment (don't forget wood products, shellfish, ag)
 - Occupation Employment (best chance for WF customers)
- Considering Professional Services Swap with Chem-Plastic
 - Primary Manufacturing Remains Intact Via Other Clusters
 - Chem-Plastic Forecast to Decline, Already Small
 - Professional Services Provides 2 for 1 Workforce Training Benefit
- Several New Emerging Micro-Clusters
- Distinctions Across Counties (of course)

Industry Clusters for PacMtn Region 2019 as of 2019Q1

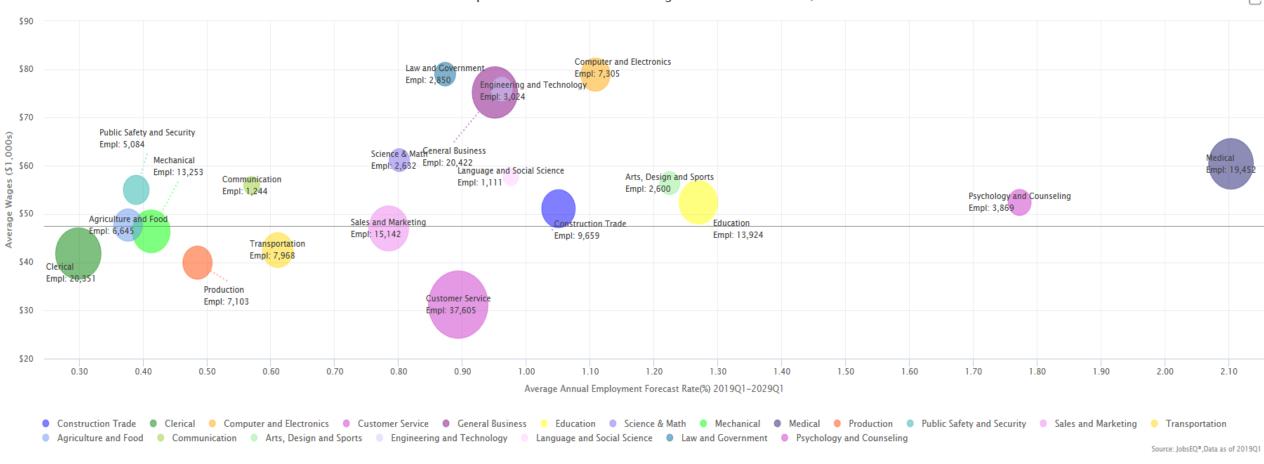




Industry Clusters for PacMtn Region 2019 as of 2019Q1



Occupation Clusters for PacMtn Region 2019 as of 2019Q1



Private Sector Occ. Growth: 2014-19

+/- \$30k wage 40+ new jobs

Occupation: All Industries Private in PacMtn 2019	Empl	Regional Average Wage	5-Yr Growth
Personal Care Aides	3,181	\$27,300	648
General and Operations Managers	3,429	\$100,900	221
Registered Nurses	2,282	\$76,000	196
Home Health Aides	821	\$27,400	178
Customer Service Representatives	2,289	\$36,900	137
Laborers and Freight, Stock, and Material Movers, Hand	2,727	\$33,600	126
Nursing Assistants	1,597	\$28,900	109
Medical Assistants	673	\$38,100	103
Stock Clerks and Order Fillers	2,152	\$34,400	90
Construction Laborers	1,141	\$41,800	86
Financial Managers	598	\$86,100	73
Software Developers, Applications	402	\$99,800	69
Carpenters	1,346	\$56,500	66
Medical Secretaries	514	\$42,100	65
Dental Assistants	596	\$44,400	65
Bus Drivers, School or Special Client	435	\$34,100	62
Self-Enrichment Education Teachers	470	\$49,100	61
Computer Network Architects	900	\$87,000	58
Computer Systems Analysts	687	\$76,400	52
Accountants and Auditors	763	\$70,400	48
Financial Analysts	548	\$58,400	46
Physical Therapists	302	\$84,900	44

Highest AAR % growth: 2014-19

+/- 100 jobs +/- \$30K wage Positive job forecast

to the same	F1	Avg Ann		Avg Ann % Chg	Total New
Industry	Empl	_	Emp Growth	in Empl	Demand
Toilet Preparation Manufacturing	114	\$49,986	112	123.4%	115
Other Food Crops Grown Under Cover	858	\$29,491	819	86.0%	1,143
Administration of Veterans' Affairs	139	\$56,458		69.2%	127
Motion Picture and Video Production	324	\$43,760		44.6%	390
Payroll Services	256	\$39,342	214	43.8%	293
Other Nonresidential Building Equipment Contractors	130	\$86,259	109	43.3%	162
Facilities Support Services	661	\$62,055	544	41.2%	915
Mattress Manufacturing	130	\$43,360	97	31.8%	132
Engineered Wood Member (except Truss) Manufacturing	101	\$79,904	75	31.6%	107
Tobacco Manufacturing	103	\$46,894	76	30.7%	52
All Other Miscellaneous Schools and Instruction	644	\$66,758	454	27.6%	1,002
Roofing, Siding, and Insulation Material Merchant Wholesalers	103	\$74,737	72	27.1%	120
Metal Can Manufacturing	92	\$75,729	63	26.0%	97
Internet Publishing and Broadcasting and Web Search Portals	224	\$129,510	151	25.2%	355
Specialized Freight (except Used Goods) Trucking, Long-Distance	127	\$50,690	84	24.2%	139
Blood and Organ Banks	102	\$47,383	66	23.5%	142
Breweries Breweries Breweries	274	\$29,871	171	21.8%	360
Wood Window and Door Manufacturing	322	\$62,514	198	21.0%	299
Office Administrative Services	820	\$68,457	491	20.0%	1,062
Custom Computer Programming Services	416	\$97,816	246	19.5%	448
Industrial Building Construction	138	\$89,939	81	19.5%	156
Nonresidential Glass and Glazing Contractors	148	\$73,404	87	19.4%	184
Other Social Advocacy Organizations	217	\$47,514	128	19.3%	277
Meat Processed from Carcasses	111	\$35,943	65	19.3%	134
Computer Systems Design Services	1,180	\$102,030	656	17.6%	1,265
Residential Poured Concrete Foundation and Structure Contractors	133	\$34,930	74	17.5%	163
Psychiatric and Substance Abuse Hospitals	267	\$48,268	148	17.5%	231

Emerging Industry: Motion Picture + Video Production NAICS 51-2110



Olympia, WA Corporate and wedding videography

324 workers in the PacMtn region

Average Annual Wage: \$43,760

Average Annual Employment Growth: 45%

Typical Occupations

Occupation	Median Hourly Wage
Producers and Directors	\$33.12
Video and Audio Technicians	\$23.95

In-Region Suppliers

- Postproduction Services
- Talent Agencies
- Insurance Agents

<u>In-Region Buyers</u>

- Business
- Government
- Nonprofits
- Consumers



Aberdeen, WA
Specializes in animated business presentations
Includes subsidiary Grays Harbor Video Productions

Emerging Industry: Mattress Manufacturing NAICS 33-7910

200 workers in the PacMtn region

Average Annual Wage: \$43,760

Average Annual Employment Growth: 32%

Typical Occupations

Occupation	Median Wage
Assemblers and Fabricators	\$17.00
Production Workers	\$16.65
Sewing Maching Operators	\$17.64
Hand Laborers/Freight, Stock & Material Movers	\$15.84

In-Region Suppliers

- **Rubber Product Manufacturers**
- Wood Product Manufacturers
- Broadwoven Fabric Mills
- **Industrial Machinery Wholesalers**

In-Region Buyers

- **Furniture Stores**
- Wholesalers
- Direct-to-Consumer Purchases



Factory in Winlock, WA # of employees: est. 50

- Hiring:
- Assemblers
- **Production Workers**
- **Sewing Machine Operators**

Parent company HQ in Dallas, TX Privately-held Acquired by Long Point Capital in 2016



Factory in Lacey, WA # of employees: est. 150 Hiring:

- Loaders
- **Mattress Builders**
- Light Truck Drivers (non-CDL)

Parent company HQ in Dallas, TX Privately-held

Emerging Industry: Engineered Wood Member Manufacturing NAICS 32-1213

101 workers in the PacMtn region

Average Annual Wage: \$79,904

Average Annual Employment Growth: 32%

Typical Occupations

Occupation	Median Hourly Wage
Sawing Machine Setters/Operators & Tenders, Wood	\$18.63
Woodworking Machine Setters/Oprs & Tenders, Except Sawing	\$18.09
Millwrights	\$28.19

Sound Wood Products, Inc.

Factory in Chehalis, WA
Manufactures structural composite
lumber (SCL)

Shelton Lam & Deck

Factory in Chehalis, WA Manufactures glulam products

In-Region Suppliers

- Sawmills
- Plastics and Resin Manufacturers
- Industrial Machinery Wholesalers

<u>In-Region Buyers</u>

- Residential Construction
- Plywood and Veneer Manufacturers
- Commercial Construction

Emerging Industry: Breweries NAICS 31-2120

274 workers in the PacMtn region

Average Annual Wage: \$29,871

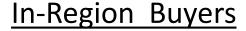
Average Annual Employment Growth: 22%

Typical Occupations

Occupation	Median Hourly Wage
Brewer's Assistants	\$22.00
Sales Representives	\$25.00 + commission
Light Truck Drivers	\$17.64
Hand Laborers/Freight, Stock & Material Movers	\$15.84

In-Region Suppliers

- Metal Can Manufacturing
- Glass Container Manufacturing
- Grain Wholesalers



- Restaurants
- Drinking Establishments
- Grocers



Brewery in Tumwater, WA
Established 2019
of employees: est. 10
Estimated annual sales: \$5 million
6,000 sq. ft. facility



Brewery in Aberdeen, WA
Established 2019
of employees: est. 5
Owner used GoFundMe to raise capital

Emerging Industry: Computer Systems Design Services

NAICS 54-1512

416 workers in the PacMtn region

Average Annual Wage: \$43,760

Average Annual Employment Growth: 32%

Typical Occupations

Occupation	Median Hourly Wage
Computer Systems Analysts	\$37.95
Network & Computer Systems Administrators	\$39.29
Computer Network Support Specialists	\$30.41

In-Region Suppliers

- Data Hosting Services
- Wired and Wireless Telecommunications Carriers
- Computer Equipment Retailers
- Temporary Help Agencies

<u>In-Region Buyers</u>

- Government
- Business



Corporate HQ in Lacey, WA Satellite offices in Bellevue, Portland, Boise # of employees: 52 in Lacey location Hiring:

- EUC Engineer
- Inside Sales Administrator
- Tier 2 IT Support Technician



Lacey, WA # of employees: est. 10 Integrates marketing and computer systems design

Highest AAR %
Growth Forecast: 2019-2030

+/- \$30K wage 100+ current emp 2%< growth forecast VOLUME

Industry	Emp	Avg Ann Wages	Total New Demand	10-yr Emp Growth	Avg Ann Rate
Home Health Care Services	853	\$50,042	1,505	432	4.2%
Libraries and Archives	301	\$40,576	485	152	4.2%
Internet Publishing and Broadcasting and Web Search Portals	224	\$129,510	355	110	4.1%
All Other Information Services	65	\$121,726	102	32	4.1%
Services for the Elderly and Persons with Disabilities	3,827	\$21,211	7,428	1,679	3.7%
HMO Medical Centers	229	\$86,347	311	97	3.6%
Other Individual and Family Services	2,485	\$42,544	4,198	1,020	3.5%
Offices of Physical, Occupational/Speech Therapists, Audiologists	687	\$47,755	934	284	3.5%
Freestanding Ambulatory Surgical and Emergency Centers	411	\$50,567	548	167	3.5%
Child and Youth Services	341	\$32,718	576	140	3.5%
Kidney Dialysis Centers	112	\$46,557	150	46	3.5%
Continuing Care Retirement Communities	367	\$27,438	653	139	3.3%
All Other Outpatient Care Centers	264	\$50,420	342	100	3.3%
Blood and Organ Banks	102	\$47,383	142	37	3.2%
Assisted Living Facilities for the Elderly	1,068	\$26,328	1,881	387	3.1%
All Other Transit and Ground Passenger Transportation	416	\$25,204	674	143	3.0%
Offices of All Other Miscellaneous Health Practitioners	420	\$37,713	551	134	2.8%
All Other Miscellaneous Schools and Instruction	644	\$66,758	1,002	190	2.6%
Residential Property Managers	501	\$34,705	691	135	2.4%
Solid Waste Collection	292	\$49,378	442	78	2.4%
Outpatient Mental Health and Substance Abuse Centers	663	\$40,731	894	169	2.3%
Computer Facilities Management Services	188	\$82,782	208	49	2.3%
Offices of Physicians (except Mental Health Specialists)	2,575	\$77,320	2,909	627	2.2%

Industry Wages

+/- 200 jobs 5-year growth Positive forecast

Industry	Emp	Avg Ann Wages	2014-19 Change	10-yr Demand
Internet Publishing and Broadcasting and Web Search Portals	224	\$129,510	151	355
Electric Bulk Power Transmission and Control	222	\$114,794	123	194
Commercial and Industrial Machinery, Equipment Repair/Maintenance	204	\$114,546	85	243
Computer Systems Design Services	1,180	\$102,030	656	1,265
Wholesale Trade Agents and Brokers	739	\$101,139	106	925
Software Publishers	192	\$99,245	87	207
Custom Computer Programming Services	416	\$97,816	246	448
Sign Manufacturing	208	\$85,269	62	207
Engineering Services	602	\$85,097	4	618
Administration of Air/Water/Solid Waste Management Programs	766	\$82,400	23	742
Legal Counsel and Prosecution	540	\$78,690	51	527
Wired Telecommunications Carriers	522	\$78,258	66	418
Commercial and Institutional Building Construction	776	\$77,604	333	875
Offices of Physicians (except Mental Health Specialists)	2,575	\$77,320	159	2,909
Nonresidential Electrical Contractors, Wiring Installation Contractors	635	\$76,766	295	803
Administrative Management / General Management Consulting Services	646	\$75,550	240	801

Highest Industry LQ

Above 10.0

Industry	Emp	Avg Ann Wages	LQ	Total New Demand
Shellfish Farming	484	\$34,003	158.28	610
Other Food Crops Grown Under Cover	858	\$29,491	36.68	1,143
Seafood Product Preparation and Packaging	1,294	\$35,737	27.62	1,296
Forest Nurseries and Gathering of Forest Products	86	\$66,431	26.65	117
Softwood Veneer and Plywood Manufacturing	460	\$70,036	24.32	468
Sawmills	2,027	\$68,106	18.26	2,184
Shellfish Fishing	396	\$44,002	17.51	365
Mushroom Production	214	\$39,791	15.13	296
Finfish Farming and Fish Hatcheries	78	\$51,065	15.04	100
Logging	1,239	\$59,963	14.18	1,092
American Indian Tribal Governments	1,989	\$50,883	13.82	2,013
Newsprint Mills	69	\$73,051	12.98	54
Support Activities for Forestry	429	\$41,087	12.89	486
Crushed and Broken Stone Mining and Quarrying	117	\$51,583	12.07	108
Engineered Wood Member Manufacturing	101	\$79,904	11.55	107
Casinos (except Casino Hotels)	2,606	\$39,319	11.02	4,004
Administration of Education Programs	957	\$71,419	10.41	947
Administration of Human Resource Programs	5,170	\$67,285	10.26	5,043

Shift-Share by Industry Sector

2014-2019

Industry Title	Actual Growth	National Growth	Industry Share Mix	Local Competitiveness	
Agriculture, Forestry, Fishing and Hunting	-131	558	-876	186	
Mining, Quarrying, and Oil and Gas Extraction	-18	28	-89	43	
Utilities	-13	97	99	-209	
Construction	280	746	-1,088	622	
Manufacturing	-2,490	1,057	-2,056	-1,492	
Wholesale Trade	240	353	-473	360	
Retail Trade	1,608	1,599	-797	806	
Transportation and Warehousing	497	430	512	-445	
Information	-541	229	-308	-462	
Finance and Insurance	-311	321	-325	-306	
Real Estate and Rental and Leasing	-253	207	-312	-148	
Professional, Scientific, and Technical Services	1,761	439	352	971	
Management of Companies and Enterprises	185	63	141	-18	
Admin/Support, Waste Management/Remediation	3,526	460	576	2,490	
Educational Services	1,971	1,166	-647	1,452	
Health Care and Social Assistance	6,474	1,612	4,051	811	
Arts, Entertainment, and Recreation	1,006	381	-561	1,187	
Accommodation and Food Services	2,316	1,107	2,104	-894	
Other Services (except Public Administration)	-2,208	764	-1,734	-1,238	
Public Administration	12	2,330	-2,529	211	
Unclassified	0	0	0	0	
Total	13,914	13,948	-3,962	3,928	

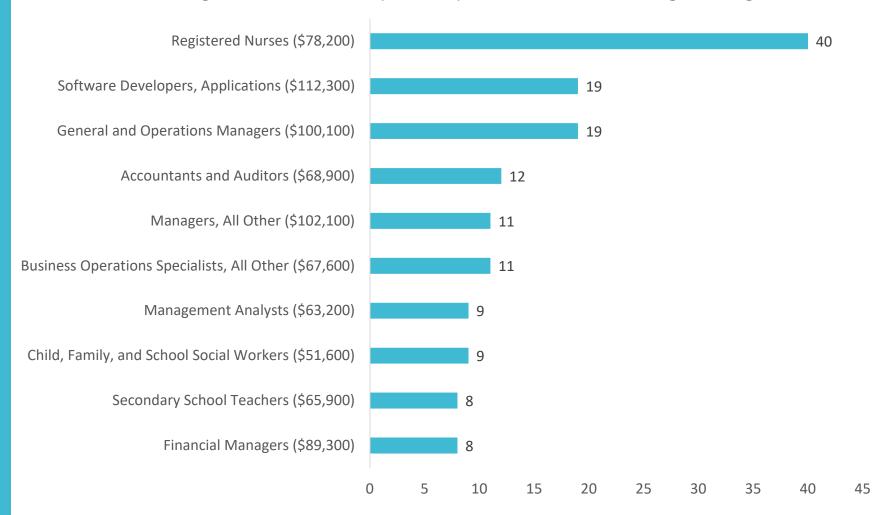
Largest Industry Employers by Volume

+/- 2,000 jobs

Industry	Empl	Avg Ann Wages	
Elementary and Secondary Schools	13,257	\$45,579	
General Medical and Surgical Hospitals	6,766	\$63,831	
Full-Service Restaurants	5,634	\$23,306	
Limited-Service Restaurants	5,529	\$17,105	
Administration of Human Resource Programs	5,170	\$67,285	
Executive and Legislative Offices, Combined	5,019	\$64,365	
Services for the Elderly and Persons with Disabilities	3,827	\$21,211	
Supermarkets and Other Grocery (except Convenience) Stores	3,355	\$29,657	
Warehouse Clubs and Supercenters	3,316	\$33,510	
Regulation and Administration of Transportation Programs	2,910	\$72,235	
Administration of Public Health Programs	2,810	\$65,810	
Temporary Help Services	2,801	\$35,790	
Casinos (except Casino Hotels)	2,606	\$39,319	
Offices of Physicians (except Mental Health Specialists)	2,575	\$77,320	
Correctional Institutions	2,527	\$60,086	
Other Individual and Family Services	2,485	\$42,544	
Administration of Conservation Programs	2,326	\$64,331	
Hotels (except Casino Hotels) and Motels	2,177	\$23,929	
Sawmills	2,027	\$68,106	
American Indian and Alaska Native Tribal Governments	1,989	\$50,883	

PacMtn Occupation Gaps

PacMtn Region: Ave. Annual Occupation Gaps 2019-2029, Two-Year Degree or Higher

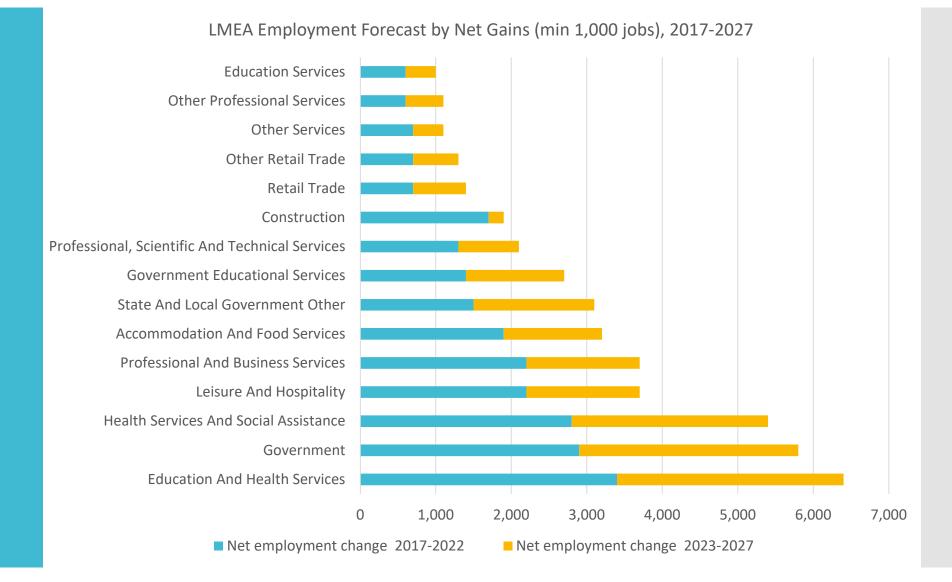


Occupation Staffing

Regional Patterns by Industry, Wage and Demand

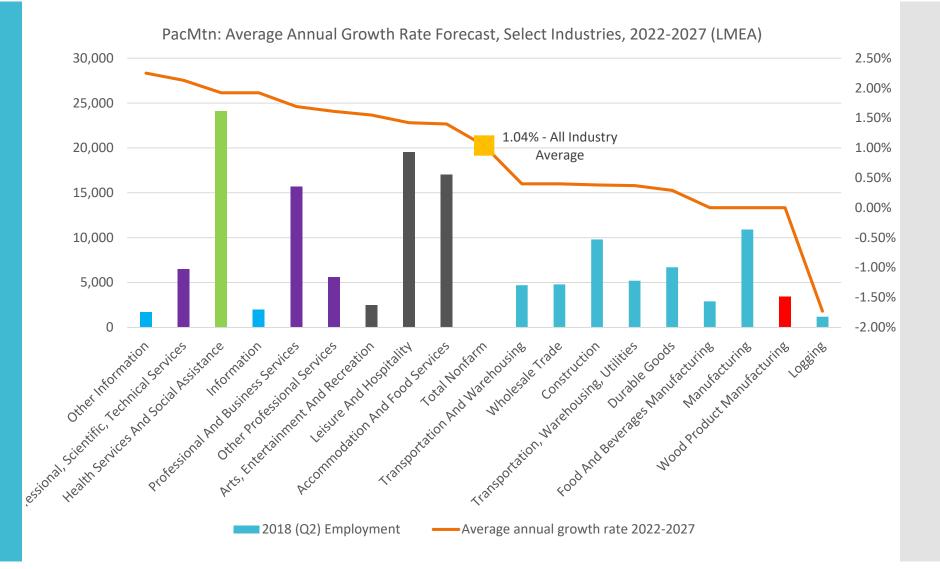
SAMPLE ONLY – SEE RESOURCE SLIDES AT END

Combined,
Prof. Services
to add +/- 7k
jobs over next
decade



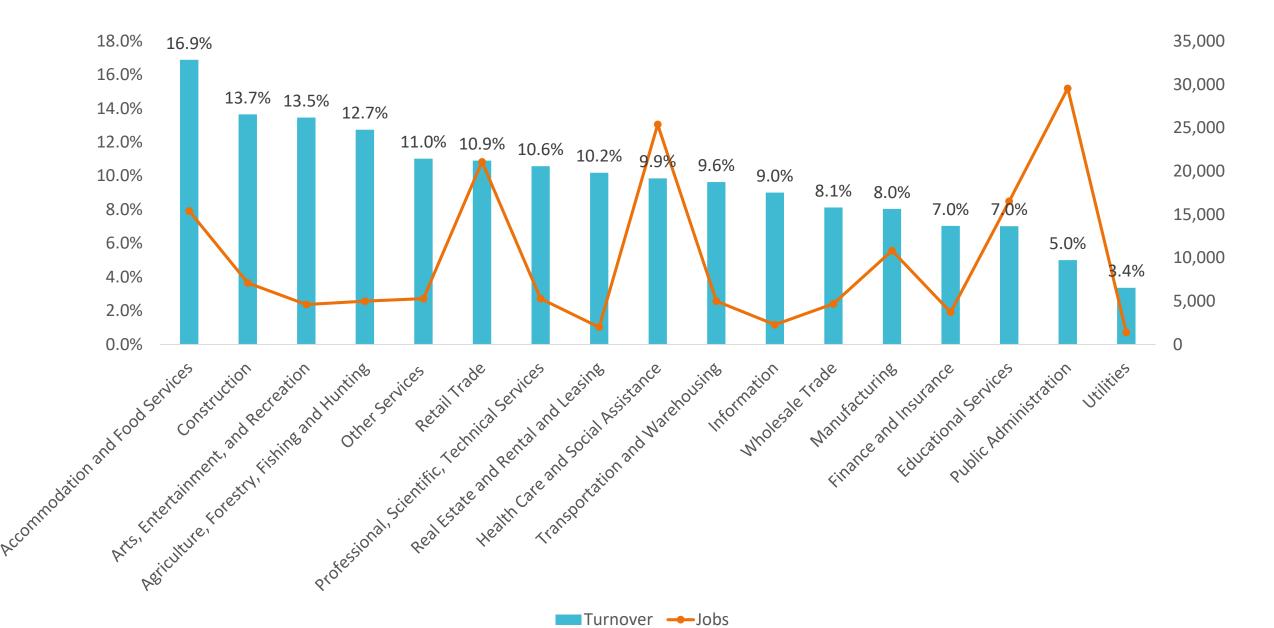
Prof. Services, Health, Tourism, Info Up

Wood Products, Manufacturing Down



Employment Turnover

By Industry



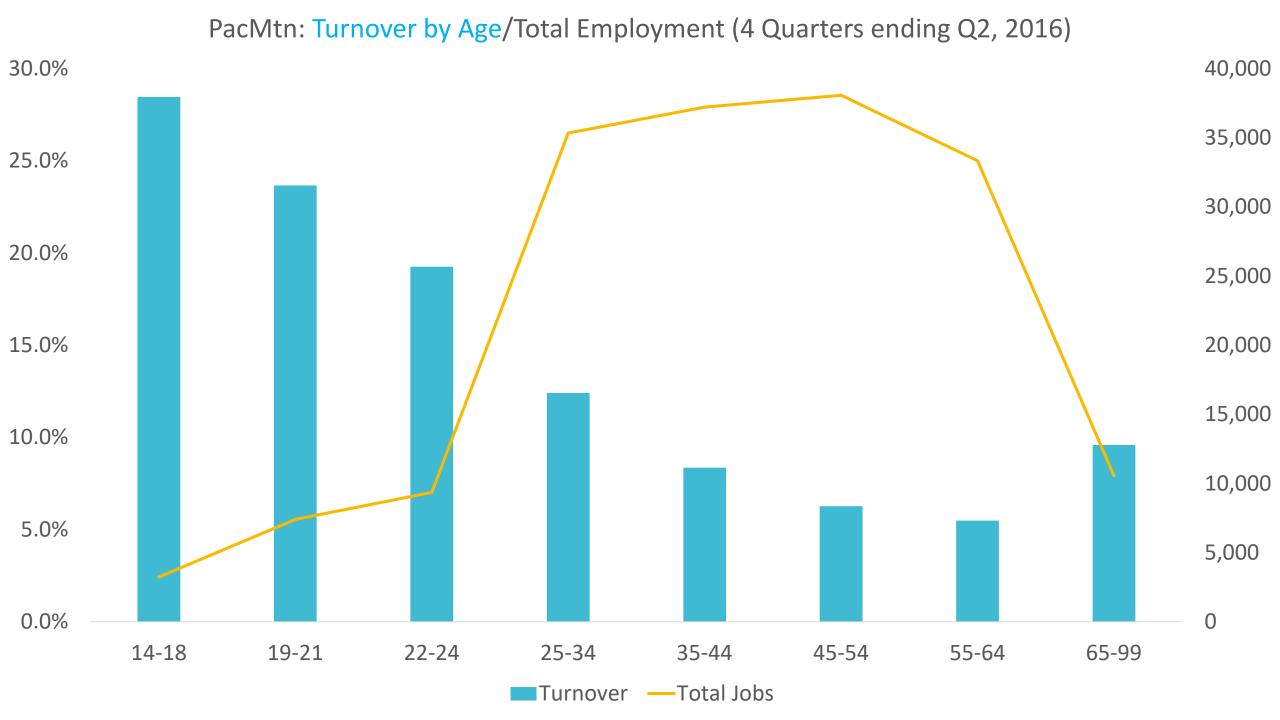
Average per Quarter

Average

Highest Industry Turnover

100 jobs + \$30k wage min

					Annual
Industry	Emp	New Hires	Separations	Turnover	Earnings
National Security and International Affairs	130	28	50	39.7%	\$71,523
Foundation, Structure, Building Exterior Contractors	1,128	429	439	16.9%	\$39,267
Residential Building Construction	1,399	454	462	15.6%	\$32,586
Greenhouse, Nursery, and Floriculture Production	1,425	541	510	15.0%	\$33,516
Seafood Product Preparation and Packaging	1,226	424	516	14.3%	\$35,567
Nondepository Credit Intermediation	296	39	39	14.3%	\$66,654
Other Specialty Trade Contractors	604	173	187	13.8%	\$39,042
Specialized Freight Trucking	627	155	171	12.8%	\$41,027
Accounting, Tax Prep, Bookkeeping, Payroll Services	593	138	155	12.8%	\$46,063
Management, Scientific, Technical Consulting	894	146	161	12.6%	\$53,886
Automotive Repair and Maintenance	1,129	228	200	11.7%	\$35,338
Building Equipment Contractors	1,556	349	323	11.0%	\$48,881
Automobile Dealers	1,446	248	272	10.6%	\$49,191
Offices of Other Health Practitioners	1,301	203	211	10.4%	\$32,819
Health and Personal Care Stores	930	142	132	10.2%	\$35,801
Cattle Ranching and Farming	262	43	52	10.0%	\$35,158



Occupation Demand

2019-2024

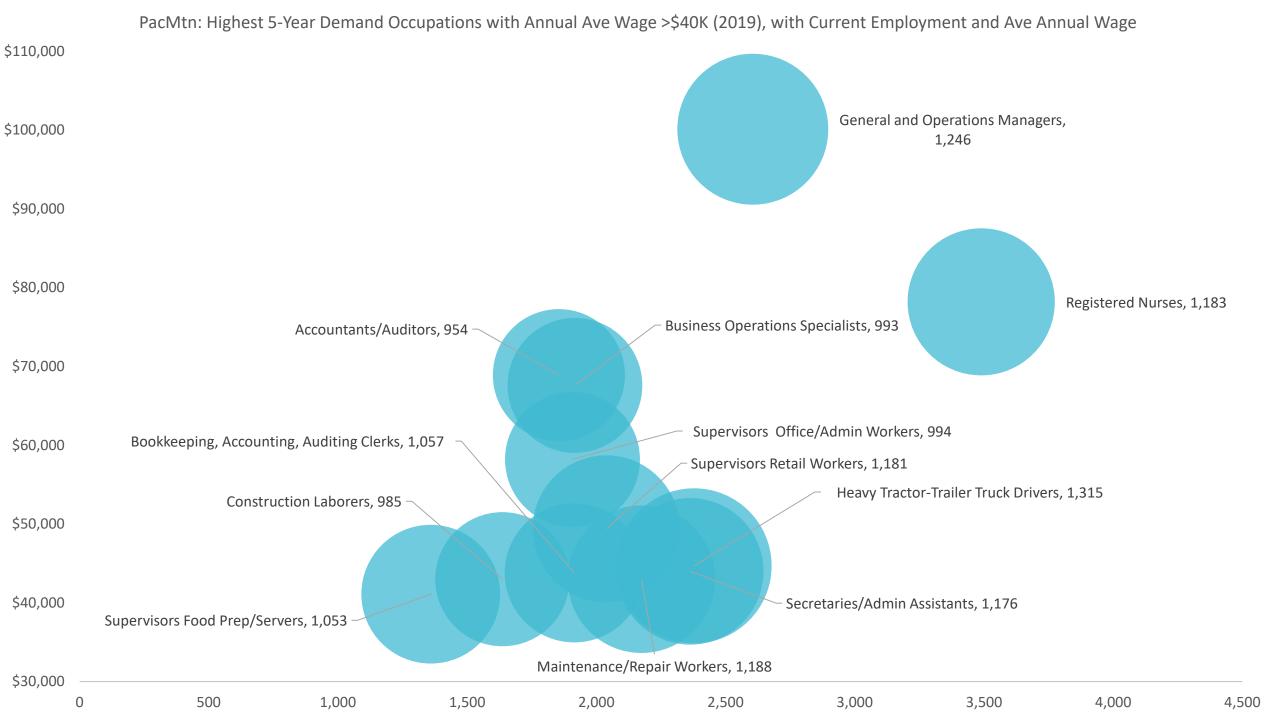
\$40,000

\$35,000

\$30,000

\$25,000

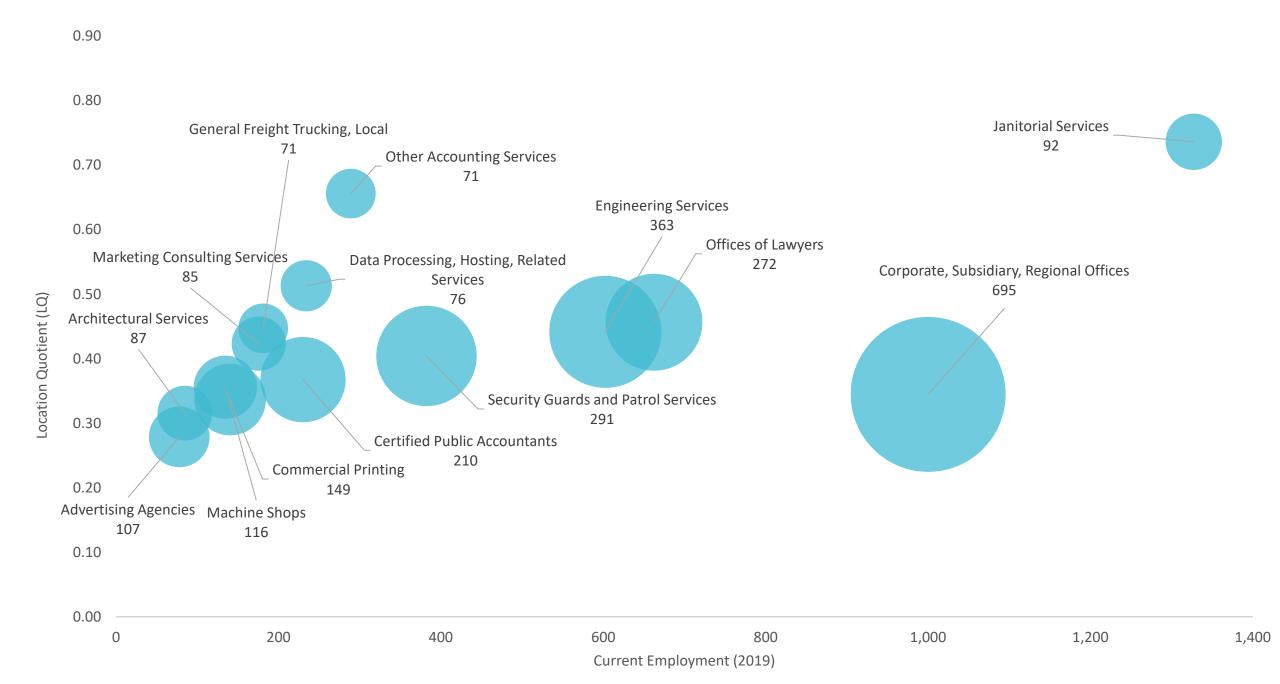




Supply Chain Gaps

High-Level Snapshot

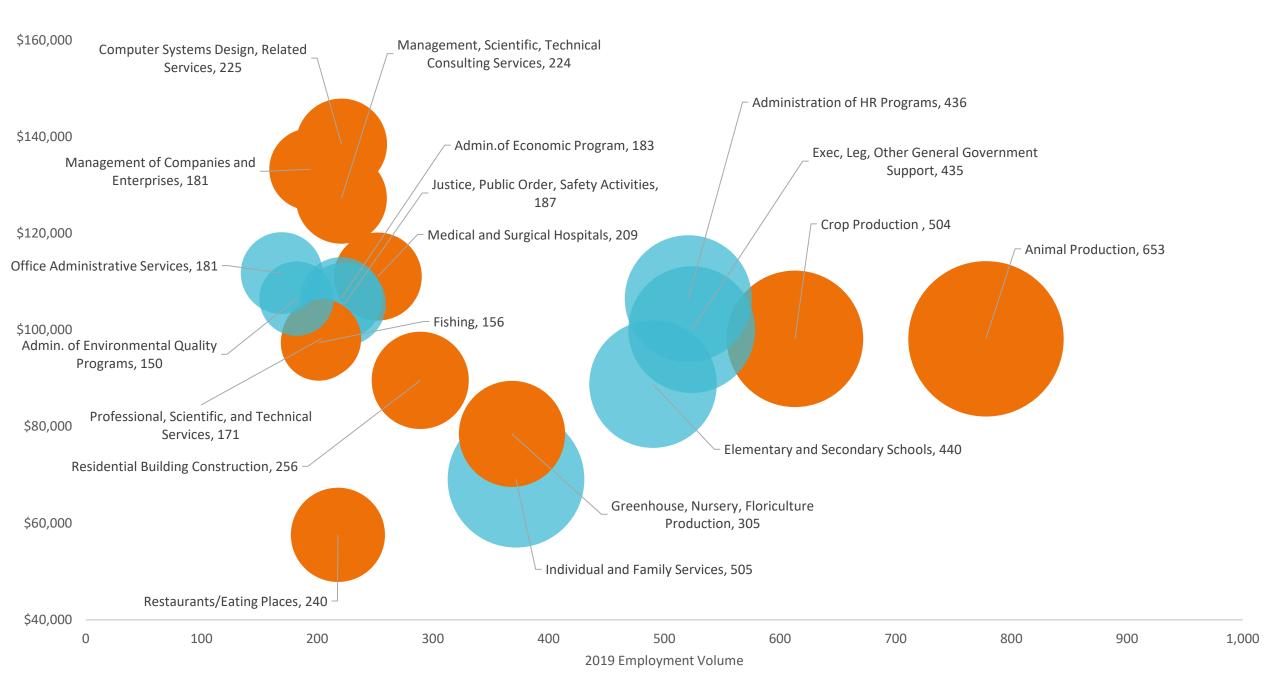
Total Annual US Purchasing

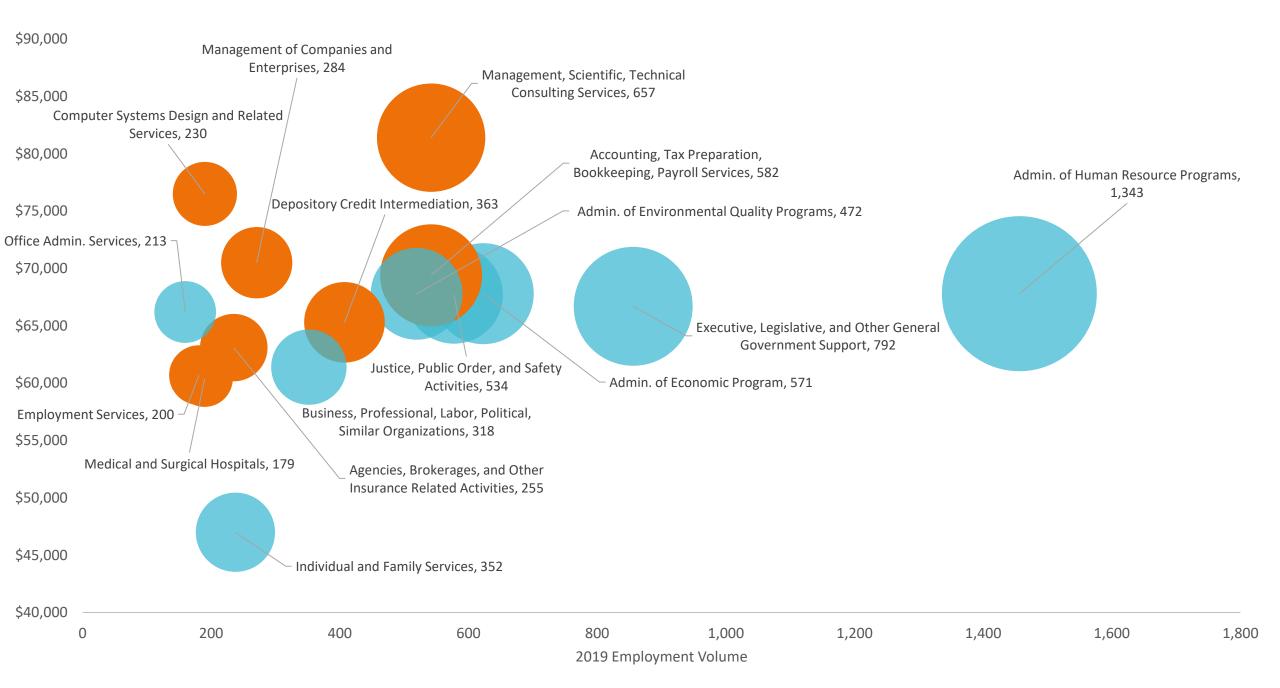


RESOURCE SLIDES

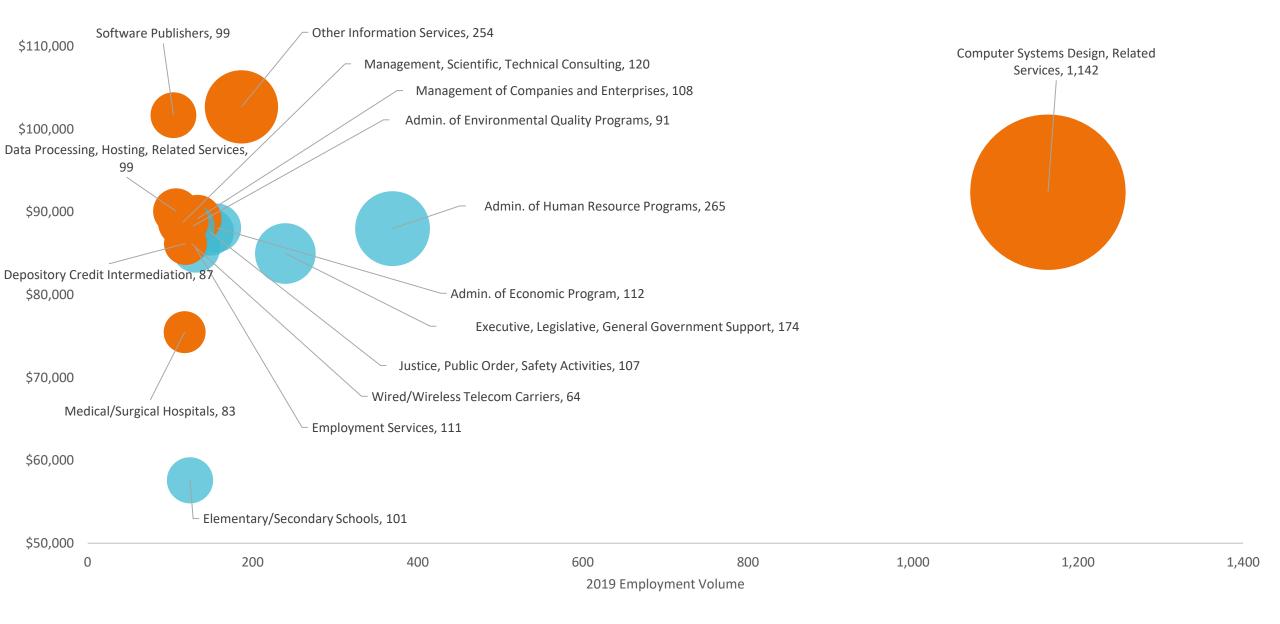
Occupation Staffing

Regional Patterns by Industry, Wage and Demand

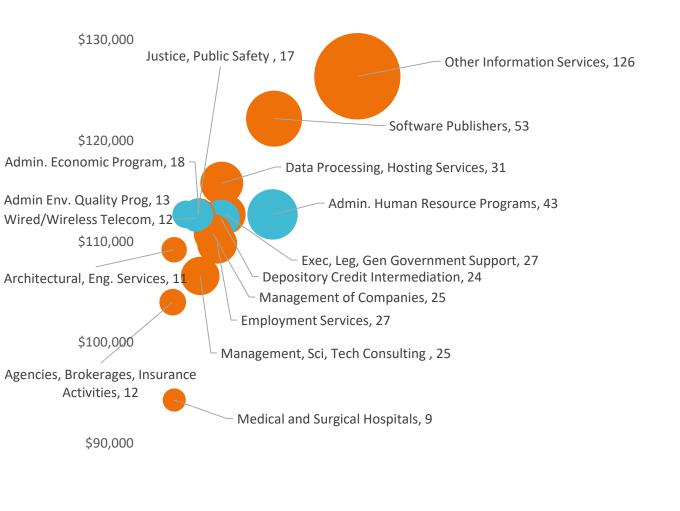


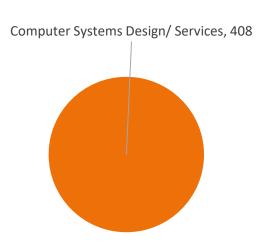




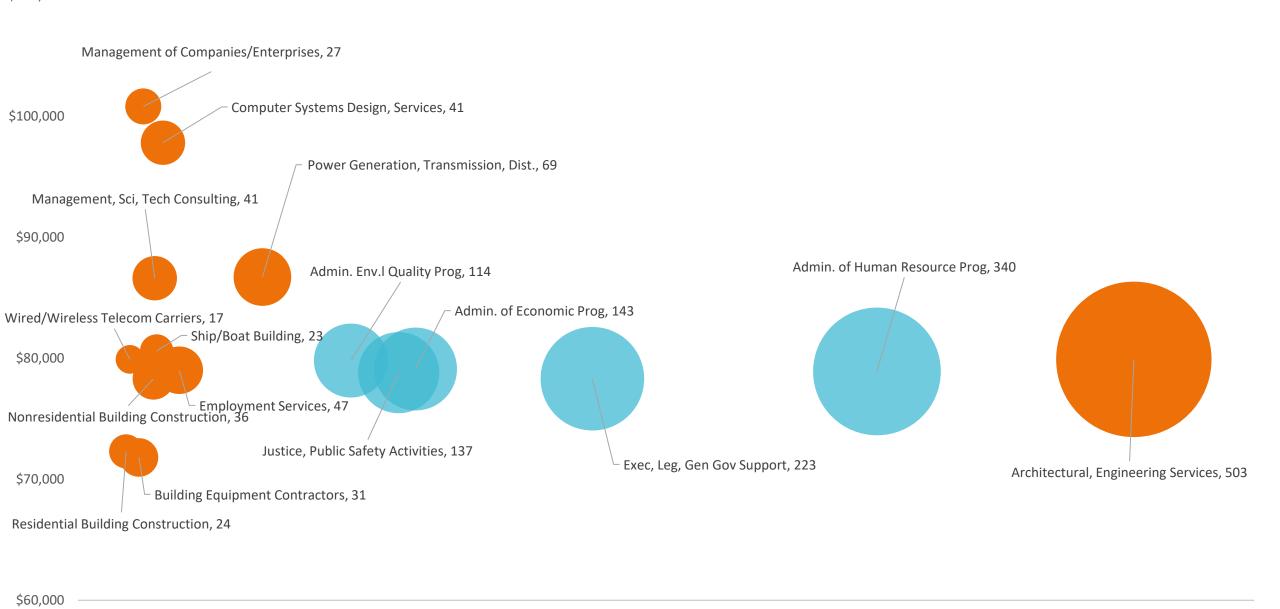




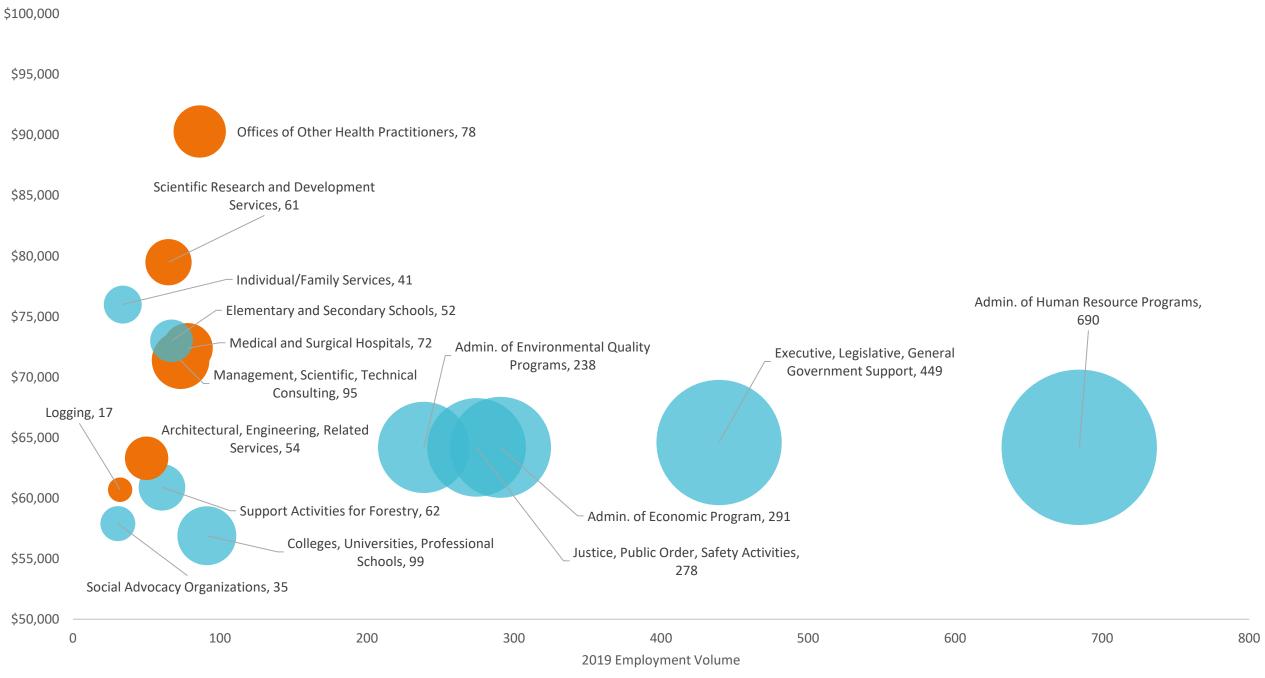


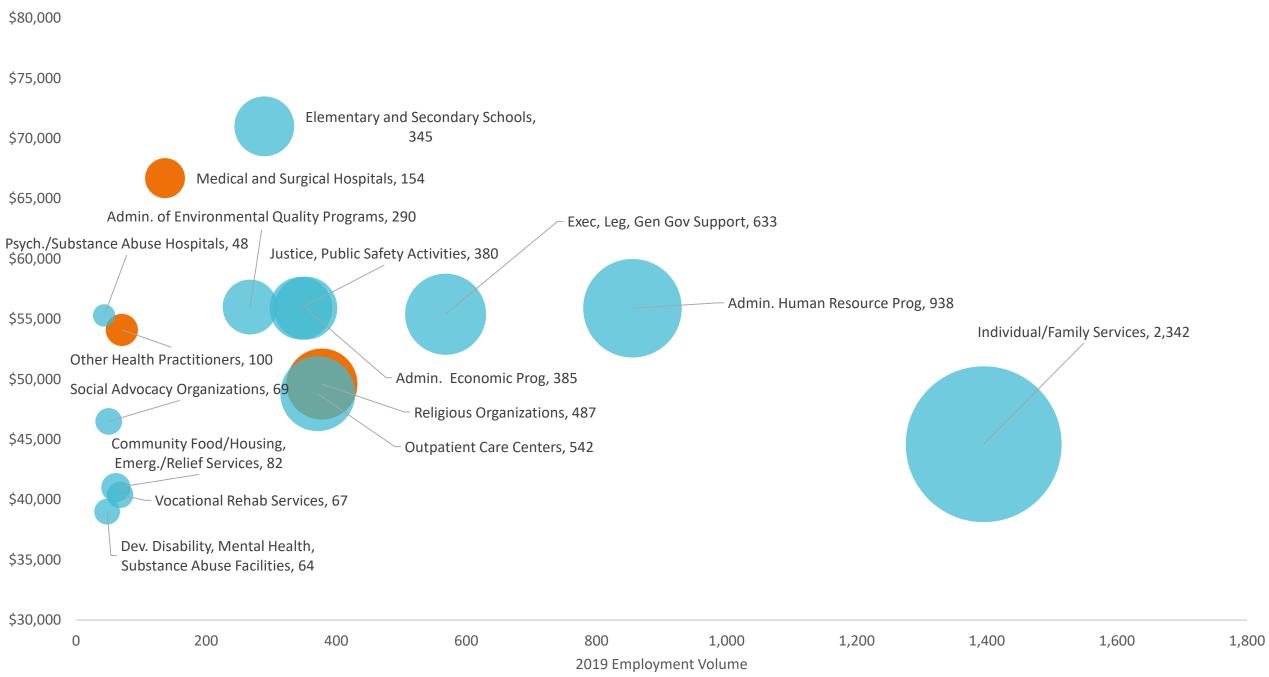


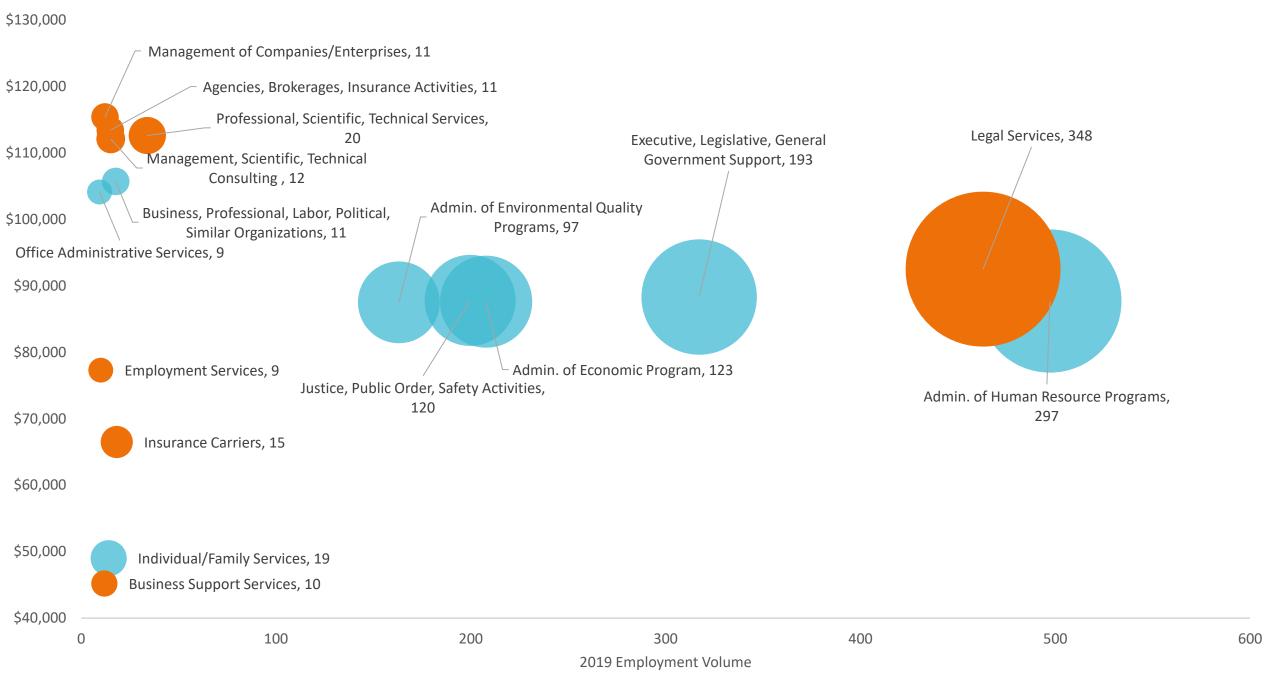


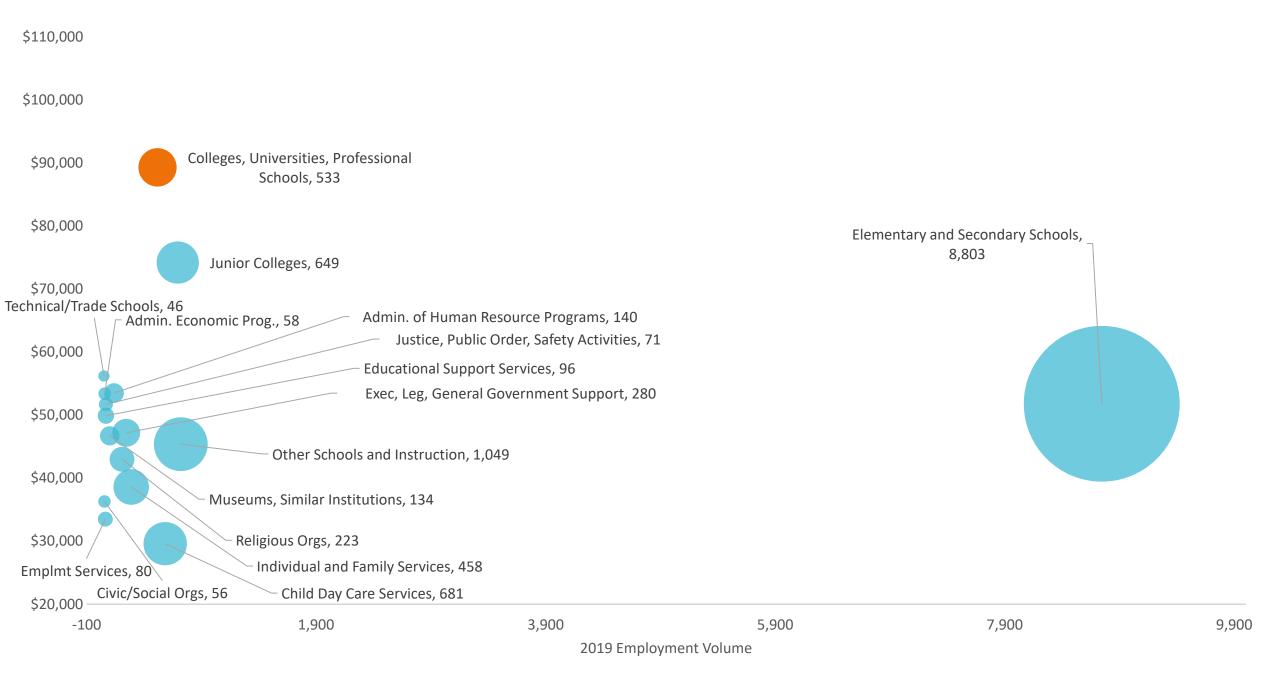


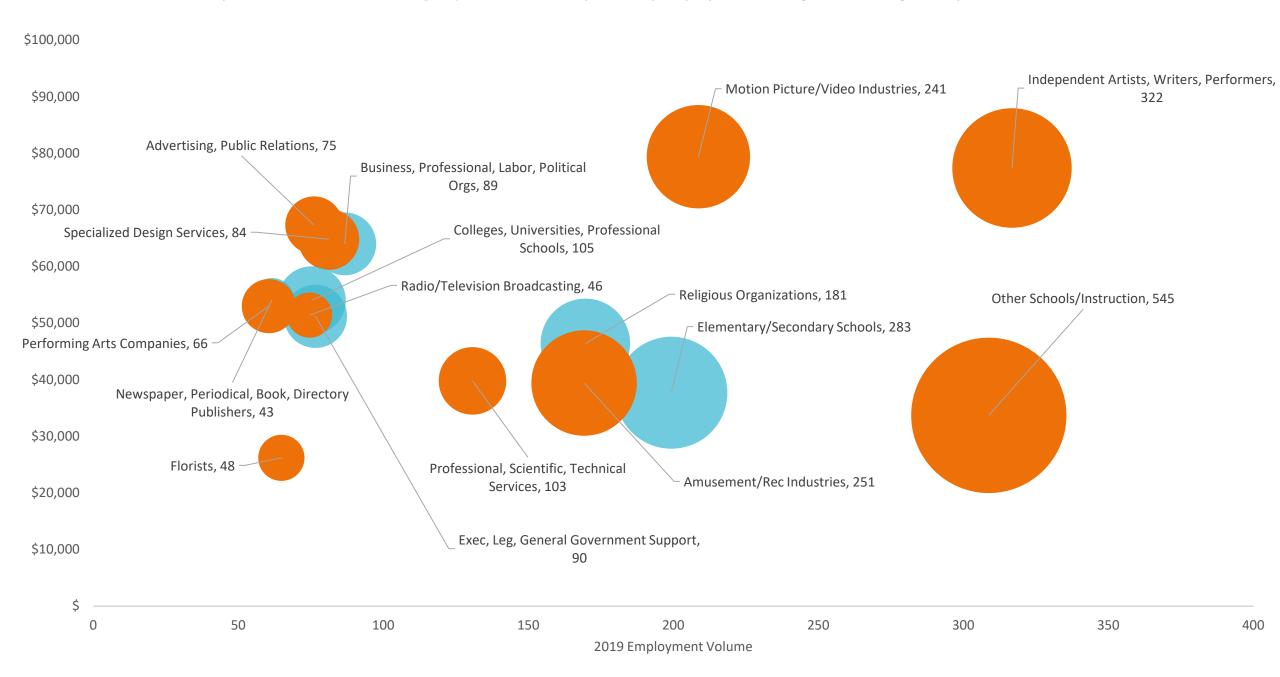
2019 Employment Volume



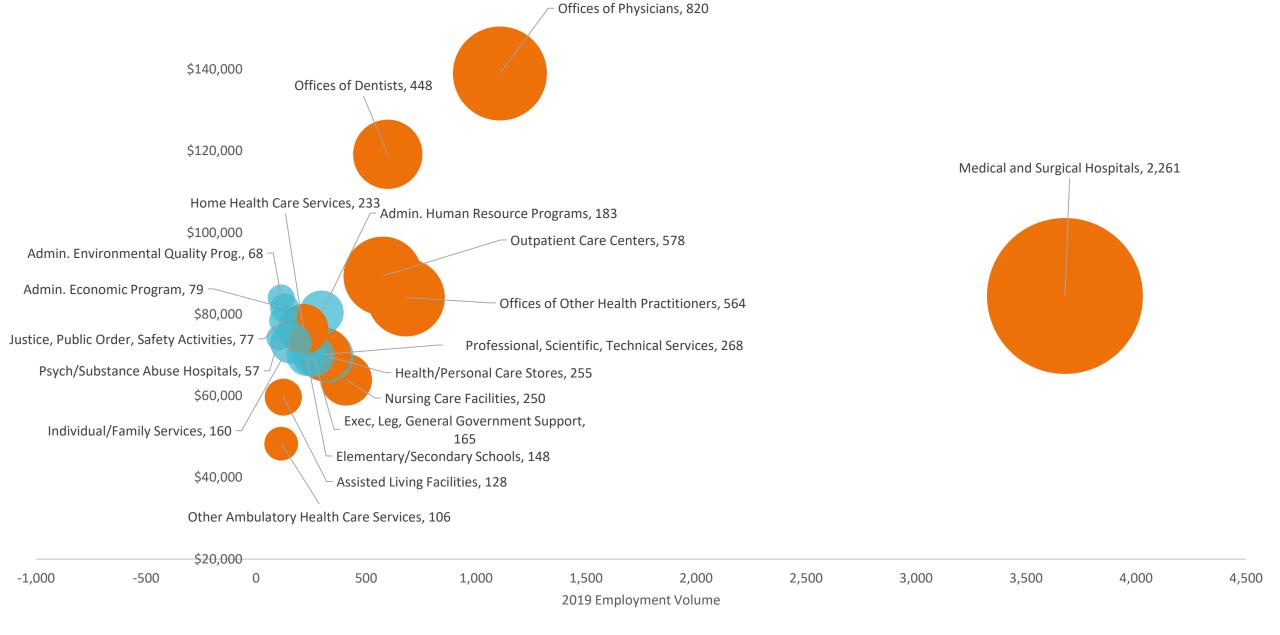




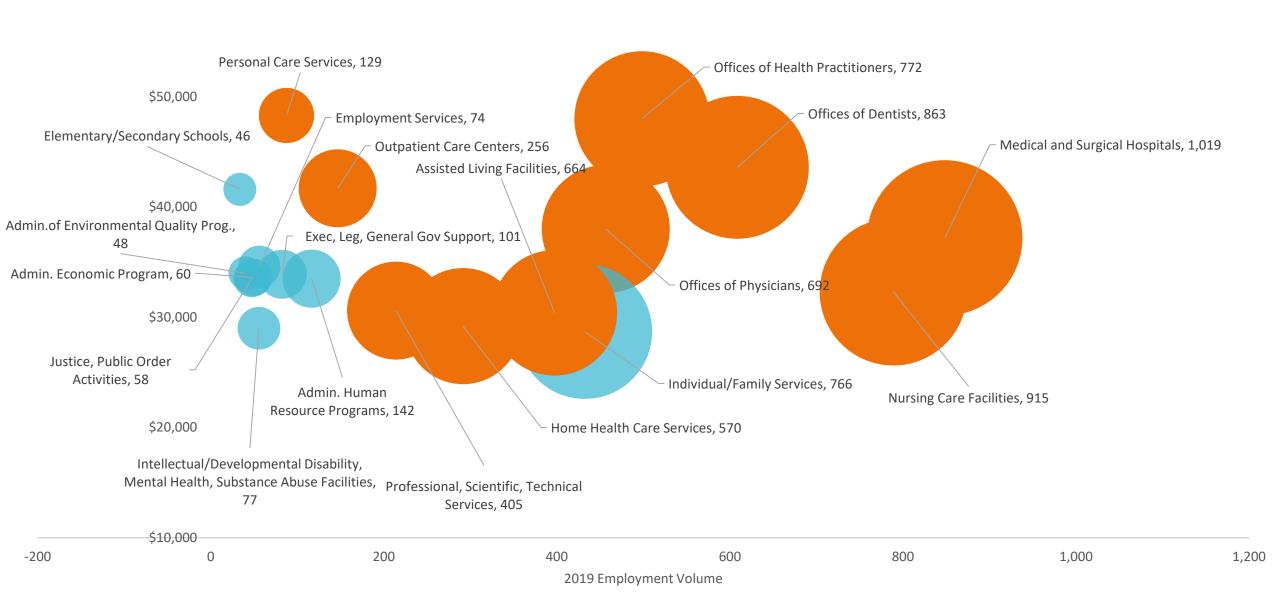


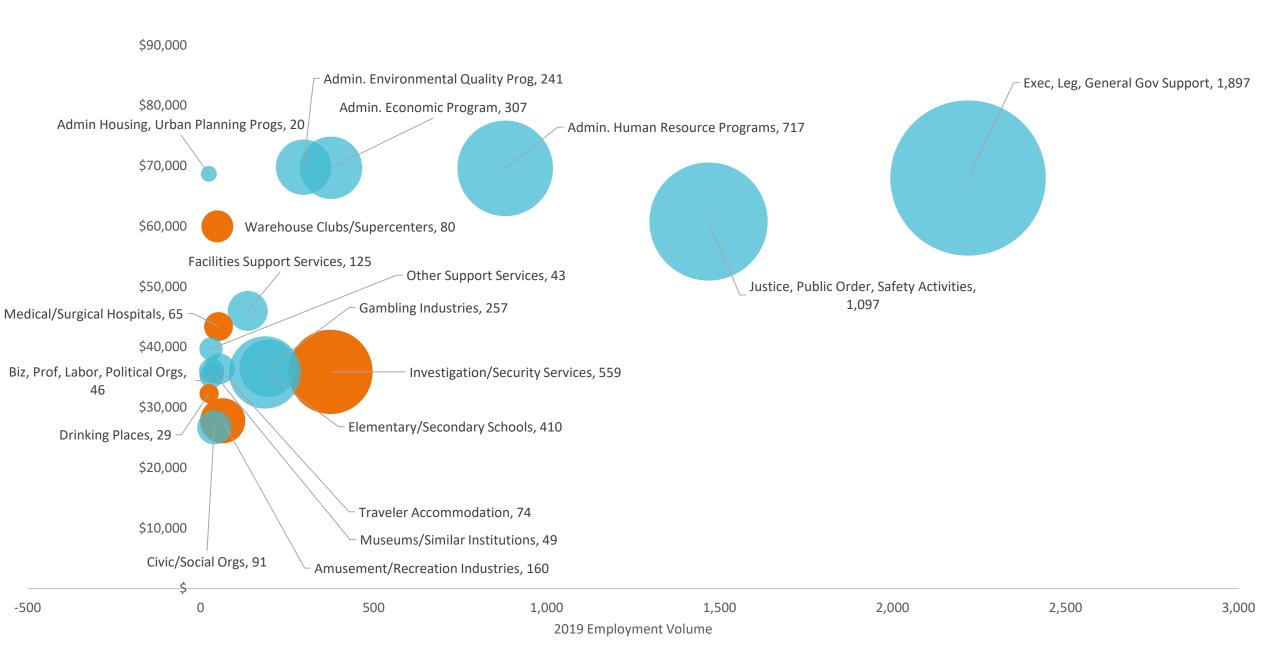


\$160,000



\$60,000

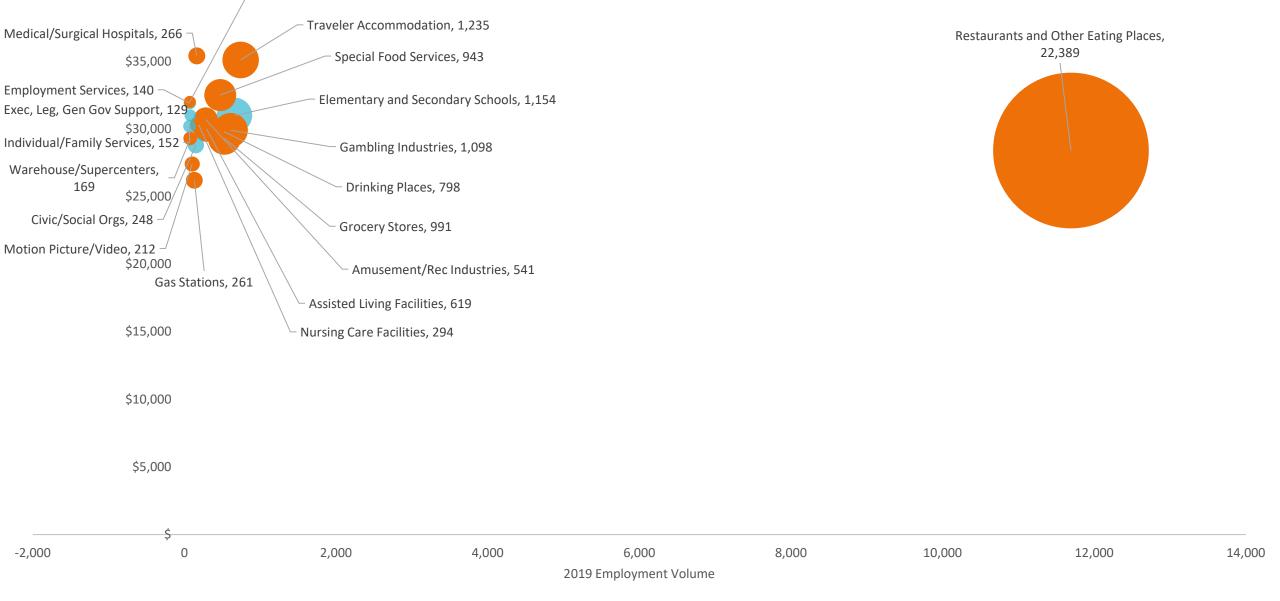




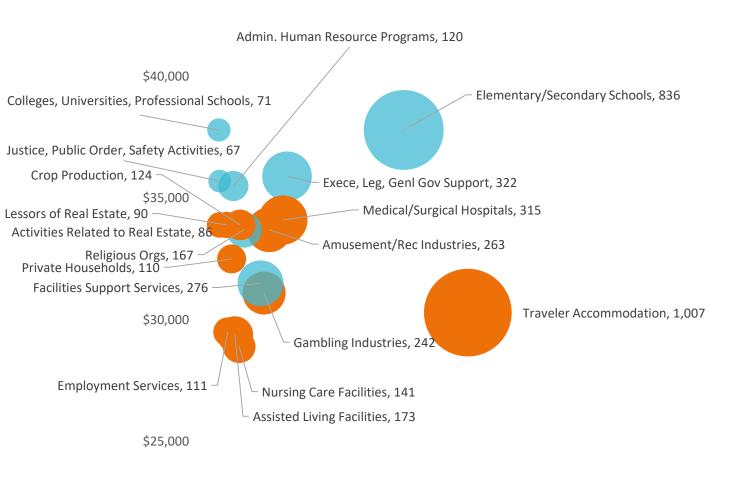
\$45,000

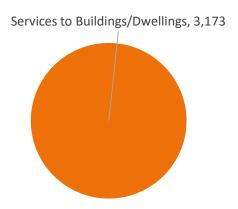
\$40,000

Beverage Manufacturing, 133



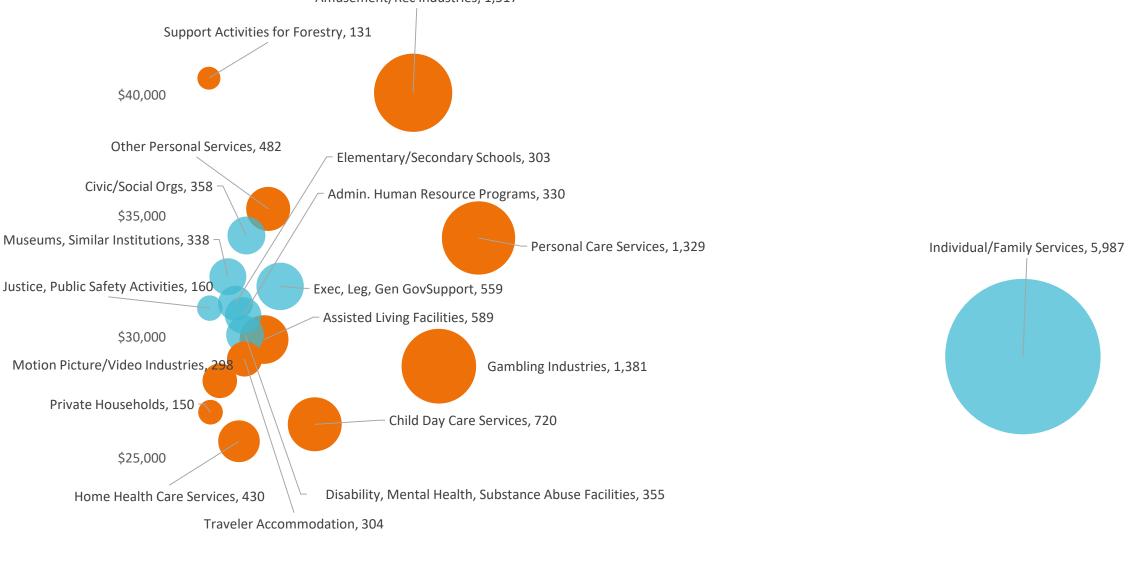
PacMtn: Top 20 Industries for Building/Grounds/Maintenance Occupations by Employment/Average Annual Wage + 10-yr demand forecast, 2019 \$45,000



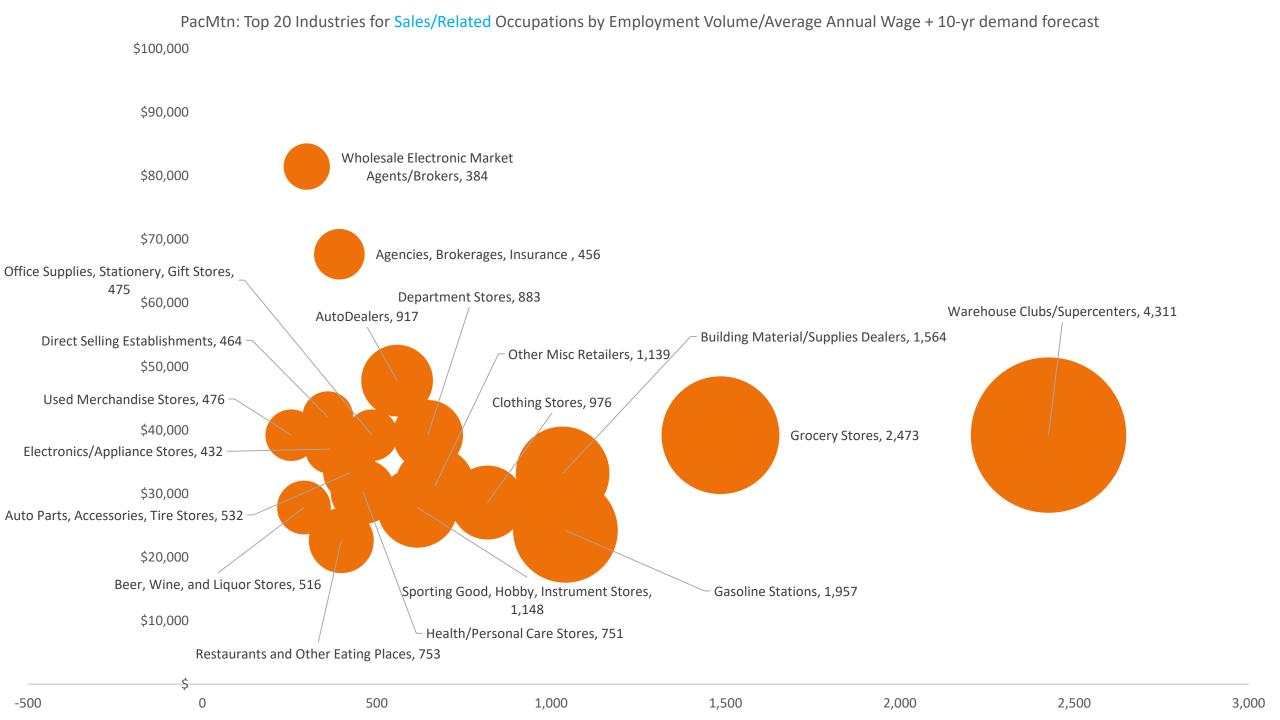


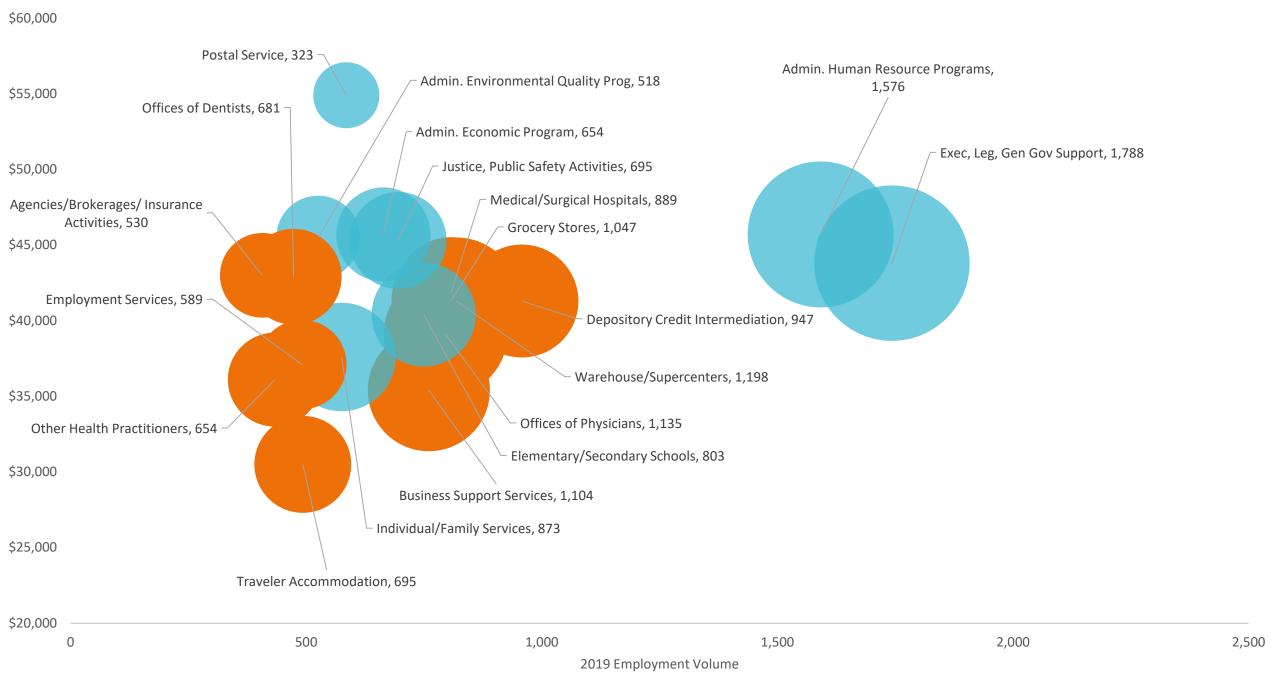




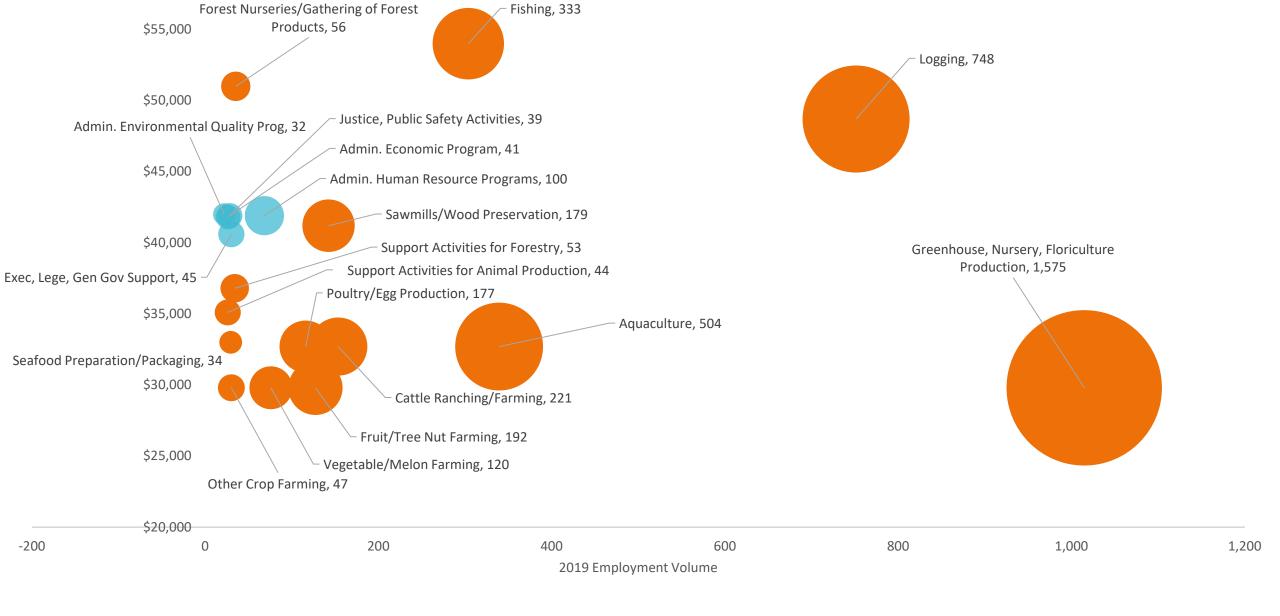


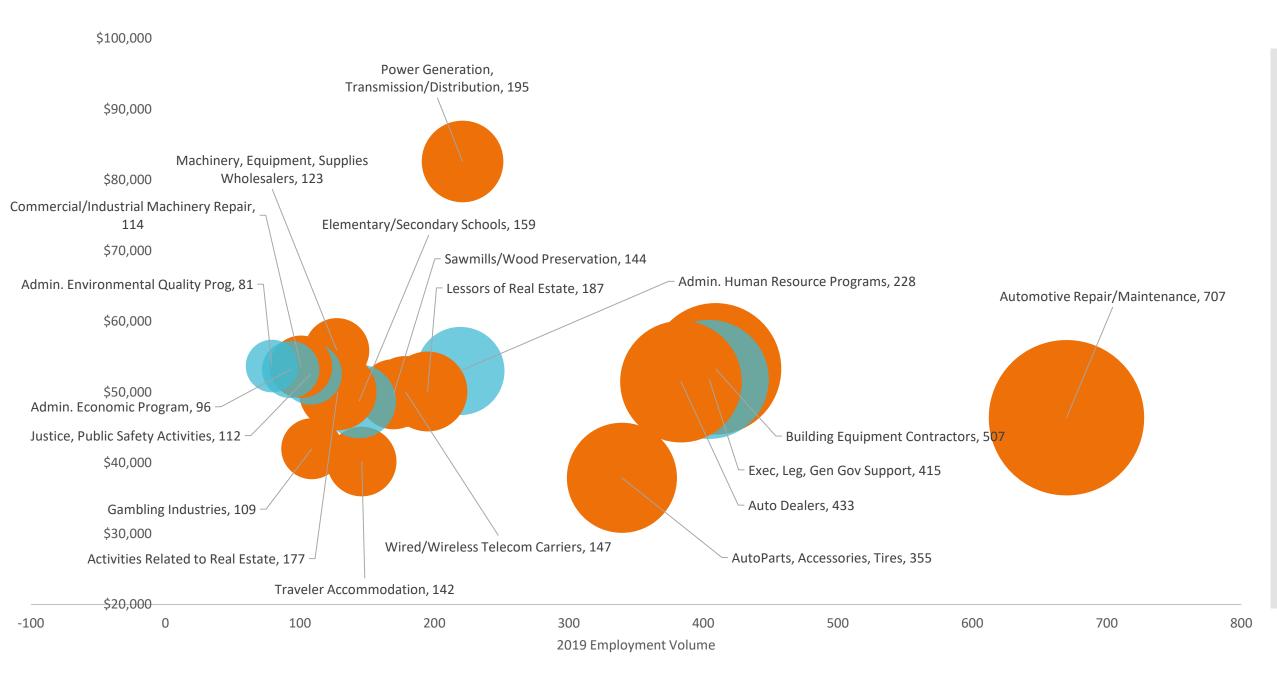


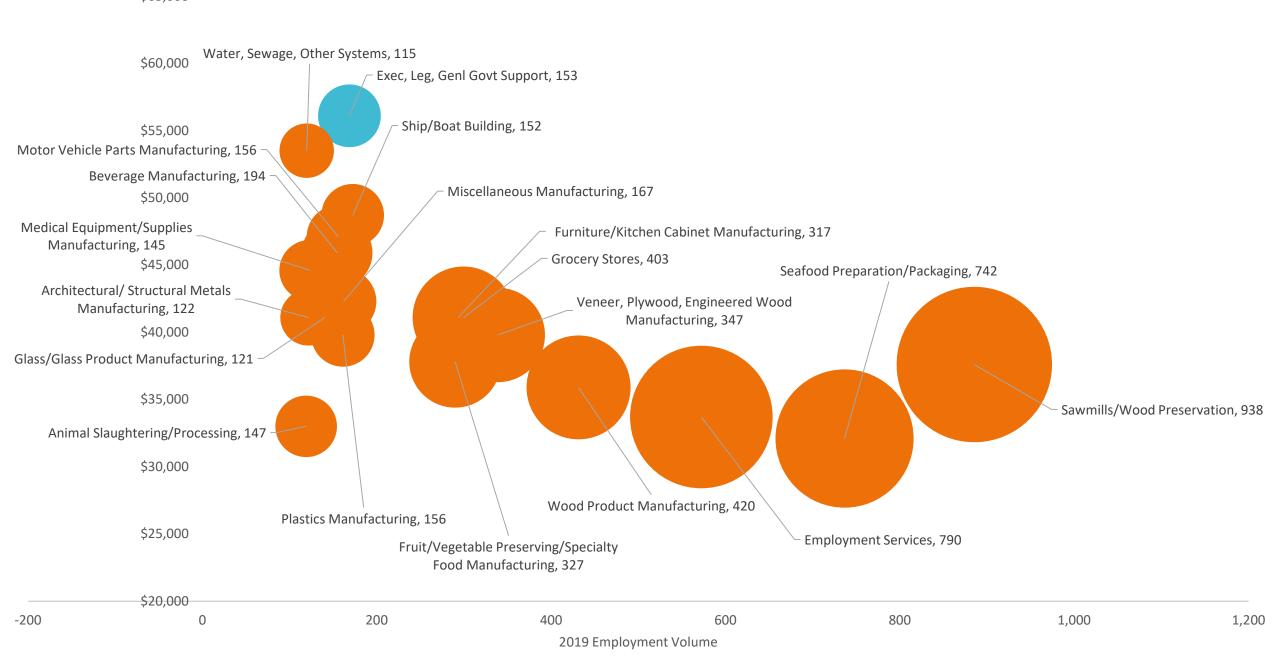


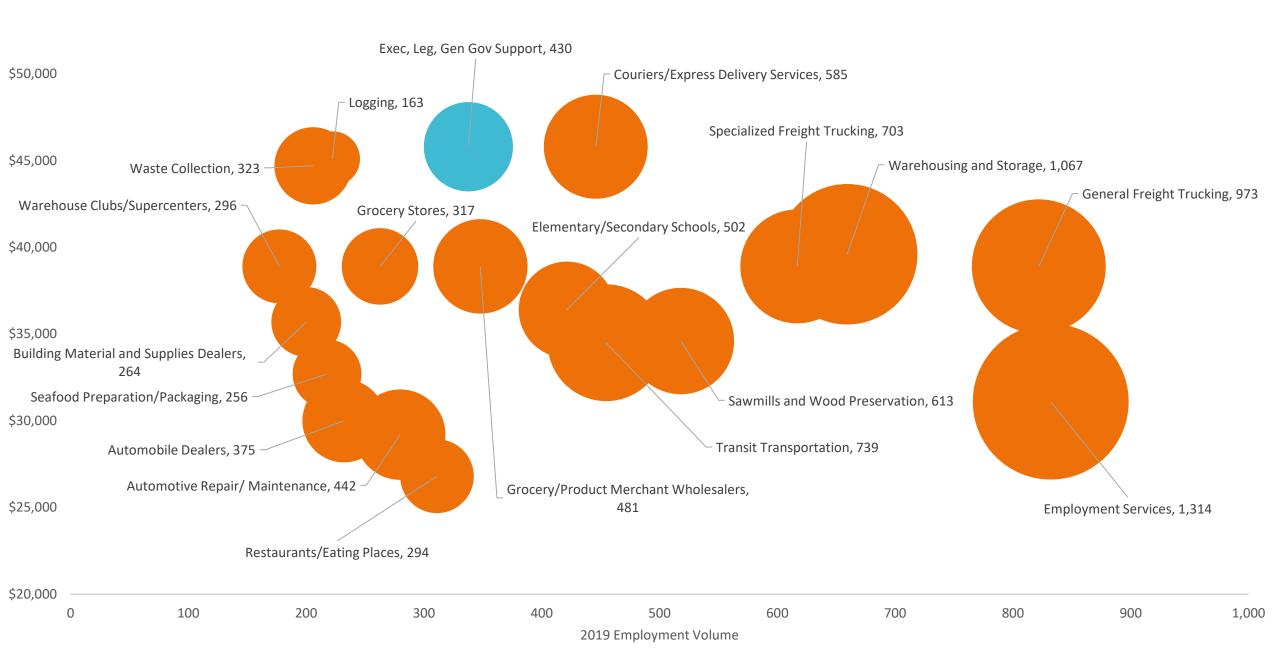












The Future of Work Task Force

PACMTN WDC Workforce Trends Forum September 11, 2019 Joe Wilcox and Lewis McMurran Future of Work Co-Managers Washington's Workforce Board





Million Dollar Question



How can Washington's workers and businesses prosper together?





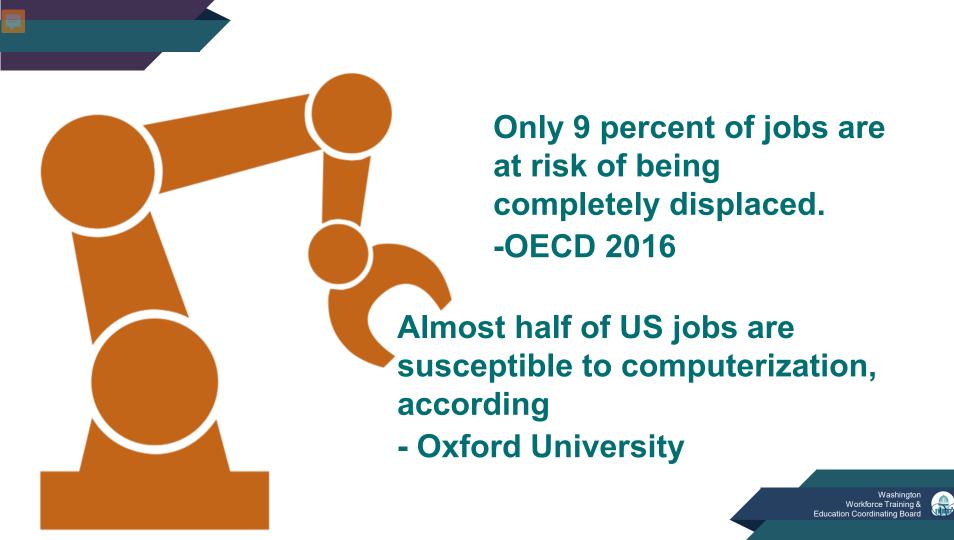
Washington in the spotlight

- In the summer of 2018, Washington's Legislature created and funded the Future of Work project to investigate this future.
- It's the first of its kind in the U.S. and puts Washington in the spotlight as a thought leader. This included the creation of a Task Force made up of legislators, business and labor leaders.
- The Task Force was charged with developing a set of policy recommendations that will benefit both Washington's workers and businesses.

Final Report: 2019

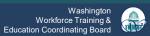
- By December 1, 2019 final report due to
- Governor and Legislature that:
- Describes Task Force activities
- Presents a set of recommendations
- Includes a recommendation for research and activities the Task Force would complete if it were to continue beyond sunset date of June 30, 2020.





Preparing Washington's Businesses and Workforce for the future.

- The global economy is consistently generating more jobs, but not necessarily prosperity.
- When shifts occur, it's usually lower skilled, less educated workers that lose out.
- Our talent pipeline development systems (education, training, supports) are designed for a bygone industrial economy.
- Government must transform itself to align with transformations in the economy. Preparing businesses and citizens to compete in any economy by seizing opportunities to reskill through a flexible/customizable lifelong career pathway.



Supporting Workers

Incumbent workforce at most risk of automation, displacement.

- Upskilling, reskilling, retraining, education, entrepreneurship.
- Rethinking the safety net in an era of "gig" and nontraditional work.



Partnering with Businesses

- Businesses must be incentivized to innovate.
- Businesses have to adopt modern technology to stay competitive.
- Businesses must increase resources devoted to people development.





Which Jobs Have the Greatest Capacity for Automation in ______?



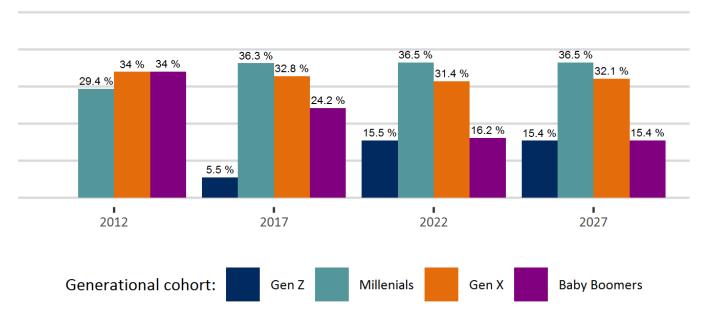
Source: U.S. Bureau of Labor Statistics (2017) and Oxford University, analyzed by Washington's Workforce Board



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Washington Labor Force Composition

by generational cohort



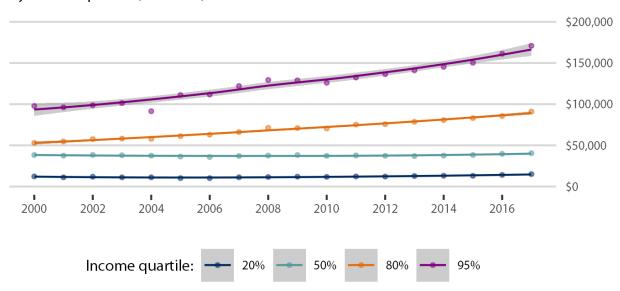
Source: U.S. Census Bureau and WA Office of Financial Management, analyzed by the Washington Workforce Board

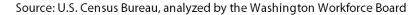




Wealth disparity

Washington real annual earnings per person, 2000-2017 by income quartile (in 2017 \$)





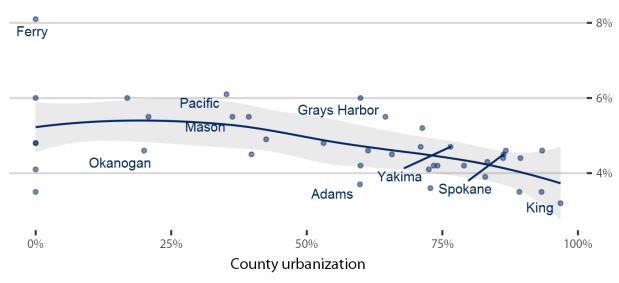


早

Regional **Inequity**

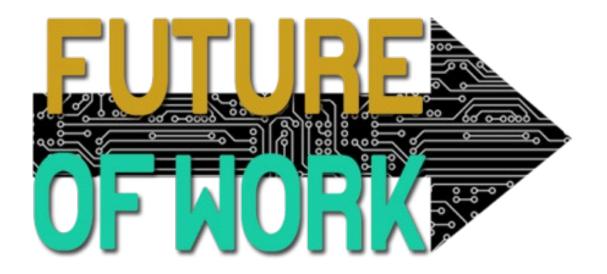
Washington unemployment rate, October 2018

by county urbanization (not seasonally adjusted)



Source: U.S. Census Bureau and Washington State Employment Security Department, analyzed by the Washington Workforce Board

Where Are We Now?









5 Policy Areas

- 1. Incumbent Worker Training
- 2. Use and Adoption of Technology in the Workplace
- 3. Modernized Worker Support System
- 4. Improved Labor Market Information and Credentialing Transparency
- 5. Equal Access to Economic Development Resources



Policy Area – Incumbent Workers

- Seeking \$25 mil for 2 years for incumbent worker training – retraining and upskilling current workforce is most critical factor in "future of work" scenarios. Public resources necessary.
- Extend customized training program/tax credit/job skills program – helps business offset costs of training.
- Allow those seeking adult basic education to be eligible for state financial aid.

Policy Area – Use/adoption of advanced technology

- Al, automation and robots are coming quickly and will be disruptive.
- Use of AI in the workplace has many implications across organizations that will require all kinds of adaptation.
- Workers need to be prepared and brought into the conversation, from both a "cultural" and implementation standpoint.

Modernized Worker Support System

- Public and private worker support and benefit systems created during previous industrial eras.
- "Event" based public benefits system; eligible if one loses job or gets injured.
- Nothing seamless or portable that helps manage life's ebbs and flows.
- Lifelong learning accounts and portable benefit structures emerging to support workers throughout work/life cycles.

Improved Labor Market Data/Credential Transparency

- Businesses use college degrees as "proxies" for qualifications.
- Workers need better "signals" to know what skills and education are really required and in demand.
- Labor market data much improved but scattered.
- Credential standardization is one way to create better labor market data and signals to business and workers.
- Adding occupation field to unemployment reporting improves data collection, ability to report.

Equal Access to Economic Development Resources

- Rural areas of Washington have steeper barriers to economic/workforce development than urban areas.
- Robust broadband internet still not ubiquitous across state but moving in right direction.
- Employee ownership and cooperatives are proven methods to keep businesses viable.
- Use libraries more for community training/education hubs.
- Develop networks and capacity for businesses to adopt new tech/processes with engineering/business depts. of state's colleges.

Thank you!

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