

State of California
Program Year 2021
Workforce Information Grants to States Annual Performance Report

Introduction

The U.S. Department of Labor, Employment and Training Administration (ETA), funds annual grants to the states to develop and disseminate essential state and local workforce and labor market information (WLMI) for job seekers, employers, educators, economic developers, and others.

The Workforce Information Grants to States (WIGS) is a critical fund source as it supports many value-added labor market information (LMI) products and services not supported by the U.S. Department of Labor's Bureau of Labor Statistics (BLS). The following are the core deliverables and activities supported by the WIGS:

1. Workforce Information Database (WID)
2. Industry and occupational employment projections
3. LMI training provided for service delivery
4. Annual economic analysis and other reports
5. Contribution to help the state and local economy

Acknowledgement

A special acknowledgment to the California Employment Development Department Labor Market Information Division (LMID) staff for their work and contributions to the Workforce Information Grants to States activities and deliverables report. There were many LMID staff who worked on the compilation of this report and its successful outcome.

1. Workforce Information Database (WID)

a. Activity:

- Populate and maintain the WID with tables designated as core tables in accordance with guidelines issued by the Analyst Resource Center. This database contains the state's most recent publications and data releases and supports the [LMID website](#) which is essential to our service delivery.

Summary of accomplishments:

- Updated the WID to version 2.8. The WID supports the LMID website which is the primary method that LMI in California is distributed to clients and the general public. By updating the WID to version 2.8, LMID ensures customers can have access to the most current and accurate LMI available.
- Data updates occurred monthly, quarterly, and annually.
- Information technology staff used an in-house application to load the data. In addition, back-end changes to the online application occur as necessary.
- Integrated the 2022 2nd Edition Data Axle Employer Database to the LMID website and 20 LMID Labor Market Consultant (LMC) staff and managers, who assist local customers in mining these data for customized requests.

How customer consultation was used:

- LMC staff and managers continue to work with a variety of customers to assess their data needs in order to guide them through the LMID website and provide them with appropriate data resources.

Which customer needs were met:

- The LMI published on the LMID website is used by customers and stakeholders to make the data driven decisions needed to successfully perform their jobs.
- The WID provides LMI to [CalJOBSSM](#), California's online resource for helping job seekers and employers navigate the state's workforce services.

If the activity supports collaboration or leveraged funding:

- Regularly updating data to the WID allows customers from federal, state, and local government, workforce investment boards, public sector entities, and research institutions access to the most current LMI data. Access to the current data serves as a catalyst for customers to interact with the LMCs who may provide critical information, resulting in future collaborations or research products.

Customer Feedback for the WID:

- The Valley Economic Alliance wanted to reach out to high-tech manufacturing employers in their administrative area as part of their workforce and economic development strategy. The LMC provided a customized list of high-tech industry employers posting the most job ads in the administrative area including contact information for collaboration. The customer was grateful for the assistance and noted that the employer list is a key resource for the success of their project.
- An Employment Program Representative (EPR) from the Employment Development Department (EDD) Workforce Services Branch (WSB) requested manufacturing, finance, and insurance industry contact information covering Ventura and Santa Barbara counties to assist the West Ventura County Employer Advisory Council (EAC). The LMC used the Data Axle Employer Database to compile employer contact information for the specified industries. The customer expressed appreciation for the provided dataset.

- A Southeast Los Angeles County (SELACO) economic business manager requested a walkthrough of the LMID website to better understand the resources his employees could use with their job-seeking clients. The LMC provided an overview of the tools available on the LMID website including employment projections, occupational wages, career exploration tools, and the Find Employers tool. The Find Employers search tool was especially of interest to the customer. The SELACO customer was thankful for the information provided and noted their “team will benefit from this information, excellent stuff.”
- The University of California, Los Angeles’ School of Public Affairs requested information on local employers in Orange County. The LMC shared data available through the Find Employers search tool on the LMID website. The customer thanked the LMC for taking the time to provide the information and explain how to use the tool.
- Orange County Workforce and Economic Development Division requested a database of midsize to large businesses in Orange County to target for participation at a job fair. The LMC provided guidance and a list of employers from the Data Axle Employer Database. The Business Solutions Manager responded, "Thank you! You are awesome!"
- A Business Representative of the Yuba Sutter and Butte EAC requested information for business outreach efforts. The LMC provided a list of businesses in the region derived from the Data Axle Employer Database. In addition, the LMC provided top employers by the number of job postings from Burning Glass Technologies, Labor Insight™ using the Help Wanted OnLine® (HWOL) program and explained the best practices and limitations of the data.
- A representative with the Tehama County Administration requested data and information on small businesses in Tehama County. The LMC provided an employer list in addition to a link and instructions on how to navigate to the data on the LMID website. The customer thanked the LMC for providing the employer dataset and stated in an email, “You’re awesome and don’t let anyone tell you different! This is exactly what I needed.”
- The City of Fresno Economic Development Department, Opportunity Zone Liaison requested an employer list for the city of Fresno. The LMC prepared an employer list using the Data Axle Employer Database and a spreadsheet containing Quarterly Census of Employment and Wages (QCEW) data for Q3 and Q4 for 2019 and 2020 to compare. The LMC also informed the customer of our QCEW data search tool, which can provide the number of establishments, employees, and wages by industry for Fresno County. The customer sent an e-mail, “Thank you for assisting us with our grant.”
- A Veteran’s Program Representative requested a list of top employers in Kern County to conduct employer outreach for the Veteran’s Program. The LMC provided the 25 major employers with online job ads as extracted from HWOL. The LMC also provided an overview of tools available on the LMID website, including major employers by county as provided by the Data Axle Employer Database, Current Employment Statistics (CES) industry employment data, and occupational employment projections. The customer was very appreciative to receive an overview of employment statistics and lists of employers to conduct outreach for Veteran Program participants.
- An EAC Coordinator from the EDD’s WSB requested an employer list for the cities in Southwest Riverside County for employer outreach. The LMC provided the employer list from select cities extracting employer information using the Data Axle Employer Database. The customer thanked the LMC stating, “WOW – looks really good!”

- An EAC Coordinator from the EDD’s WSB requested a presentation regarding the current labor market in both Riverside and San Bernardino Counties. The LMC provided the monthly employment report, including labor force and industry employment, major employers by county, as well as the online job vacancy statistics showcasing the top occupations, top cities, top employment sectors, and top employers extracted from HWOL. The customer thanked the LMC for providing the information in person stating, “Thank you very much for this valuable report of Region VII. Look forward for you to present at our next quarterly meeting.”
- The Riverside County Workforce Development Board (WDB) One-Stop Operator requested a walkthrough of the LMID website to better train career counselors, job developers, and human resource managers. The LMC provided an overview of tools available on the LMID website including the online job vacancy statistics dashboard, employment projections, career exploration tools, occupational wages, and the Find Employers search tool. The LMC also provided the customers with a Quick Links Guide that would easily allow them to revisit the links shown in the presentation. The One-Stop Operator thanked the LMC, stating in an email, “Thank you all SO much for attending today’s training on ‘All Things Labor Market Information’ with our presenter from EDD’s Labor Market Information Division Department. I hope you all truly enjoyed the presentation as much as I did! And it seems to never fail...I learn something new each time.”
- An Imperial County WDB analyst requested data on average household income, personal income, and hourly wage for all occupations. The LMC educated the customer on the Occupational Employment and Wage Statistics (OEWS) dataset and provided the customer with 2021 OEWS data. Additionally, the LMC provided information and direct links to the occupational guides, employment projections, local area profiles, and the Find Employers tool. Furthermore, the LMC provided the customer with additional income information for the past 12 months. The customer thanked the LMC for providing the information and stated in an email, “Thank you very much for the data. Just looking at the OEWS spreadsheet, this will be very helpful to us. Thank you for all the other data just starting to look into it.”
- An analyst from Stanislaus County Workforce Development asked for help with locating historical labor force data and major employers for their area. The LMC taught the customer how to extract data from the Data Library tool on the LMID website as well as shared the Find Employers search tool with the customer.
- An EDD EAC Coordinator for the Modesto America’s Job Center of California (AJCC) requested an updated listing of employers to send out email invites to the upcoming EAC seminar. The LMC created a current listing from the Data Axle Employer Database and extracted employers with email addresses. The customer was very pleased as this facilitated their process during their remote teleworking situation.
- The Economic Development Manager for the Department of Conservation and Development in the City of Martinez requested a meeting to learn about the EDD and LMID’s mission and what products we have to offer. During the meeting, the LMC went over projections, QCEW data, labor market and industry totals, monthly press releases, the HWOL dashboard, and top employer data. The LMC walked them through all of these resources and discussed LMID’s mission during the meeting. The LMC also sent them the LMI brochure and an updated commute pattern map.
- A Program Manager for Jobs for the Future reached out to the LMC for a LMID website walkthrough to discuss available LMID data. The LMC walked through the tools most useful for WDBs including OEWS data, QCEW data, the HWOL dashboard, Supply and Demand Tool, as well as major employers and the Find Employers tools. The LMC also discussed the methodology of QCEW and OEWS

data and went over the most recent press release numbers. The LMC explained the difference between labor force employment and industry employment. The customer was grateful for all the information provided.

2. Industry and occupational employment projections

a. Activity:

- Produce and disseminate short-term industry and occupational employment projections for California.

Summary of accomplishments:

- Produced statewide short-term 2021-2023 industry and occupational employment projections and fulfilled the March 11, 2022 ETA deliverable to post the occupational results on the [Projections Managing Partnership's](#) (PMP) projections central website and the [LMID website](#) for public dissemination.

How customer consultation was used:

- Through presentations and workshops provided at the LMI Advisory Group meetings, customers were consulted, and feedback was gathered for new and updated LMI products. Customers were continuously encouraged to provide suggestions and recommendations for future LMI Products to better fulfill their needs.
- The short-term employment projection files were updated to improve customer usability. These changes benefit our customers by clarifying and providing a greater understanding of the data.
- Customers requested short-term employment projections data be presented on the LMID website via interactive data dashboards. In response to the request, interactive data dashboards are maintained to display short-term industry and occupational employment projections. These changes benefit our customers by creating more resources and bringing greater accessibility to the employment projections data.

Which customer needs were met:

- Customers used the short-term 2021-2023 industry and occupational employment projections to assist with California community college curriculum planning and assist job seekers in identifying in-demand occupations by the number of projected job openings.
- The Workforce Innovation and Opportunity Act (WIOA) required the identification of in-demand occupations. The short-term employment projections met these needs by providing local WDBs with data on the near-term projected growth of industries and occupations.

If the activity supports collaboration or leveraged funding:

- The short-term employment projections supported collaboration between the California community colleges, economic developers, local governments, and local WDBs. The short-term employment projections allowed various customers to coordinate resource investment in order to maximize their funds and achieve mutual strategic goals.

b. Activity:

- Produce and disseminate long-term industry and occupational employment projections for California.

Summary of accomplishments:

- Produced statewide long-term 2020-2030 industry and occupational employment projections and fulfilled the July 8, 2022 ETA deliverable to post the occupational results on the [Projections Managing Partnership's](#) projections central website as well as on the [LMID website](#) for public dissemination.
- The LMID created infographics that feature in-demand entry-level occupations for both [metropolitan areas](#) and Regional Planning Units (RPU). The LMID also created infographics displaying in-demand [middle-skill occupations](#) with the highest total projected job openings listed by RPUs.
- The LMID maintained the interactive [California Labor Market Supply and Demand Tool](#) to assist workforce partners, businesses, and educational institutions. The supply represents a population of newly trained and credentialed individuals ready to enter the workforce and can be compared to the current employment demand using real-time LMI and long-term occupational employment projections.
- The LMID staff maintained the [Regional Planning Unit LMI Dashboard](#). This interactive tool was designed as a resource for the local WDBs to use in their strategic planning. This dashboard highlights the top 25 occupations with the most long-term total projected job openings.
- The LMID continues to maintain and improve the state and local Internet-based career product, [California Occupational Guides](#), sourced with data contained in the WID. This product delivers detailed statewide and local area occupational information on California wages, long-term employment projections, education, and licensing requirements for approximately 300 occupations. A printable summary or detailed career reports are available on the LMID website.

How customer consultation was used:

- Through presentations and workshops provided at the LMI Advisory Group meetings, consulted with customers, and gathered feedback for new ideas to create and update LMI products. Customers are continuously encouraged to provide suggestions and recommendations for future LMI products to better fulfill their needs.
- The long-term employment projection files were updated to improve customer usability. These changes benefit our customers by clarifying and providing a greater understanding of the data.
- As a result of customer requests, three data visualization dashboards continue to be maintained to display long-term industry and occupational employment projections by geographical area: [Employment Projections Dashboard](#); [Regional Planning Unit LMI Dashboard](#); and [California Labor Market Supply and Demand Tool](#). These interactive data visualization dashboards benefit our customers by creating more resources and bring greater accessibility to the employment projections data.

Which customer needs were met:

- Long-term 2020-2030 industry and occupational employment projections continue to assist customers by identifying the projected growth or decline for specific industries and occupations throughout the state over the course of the 10-year projection period. In addition, the statewide long-term industry and occupational employment projections are used in various publications and products including the occupational guides and the data visualization dashboards.
- The WIOA requires the identification of in-demand occupations. The long-term employment projections continue to provide local WDBs with data on the projected long-term growth of industries and occupations.
- The California Labor Market Supply and Demand Tool continues to provide workforce partners, businesses, and educational institutions with an interactive tool

- that shows the user which geographic areas are producing newly trained and credentialed workers (supply) and the respective projected job openings and online job advertisements (demand) where the newly trained individuals may find employment.
- The Regional Planning Unit Dashboard continues to provide the local WDBs with LMI data needed to fulfill their regional planning requirements.
 - The California Occupational Guides continues to assist workforce service professionals, students, and job seekers with identifying occupations of interest, local wages, and information on educational requirements.

If the activity supports collaboration or leveraged funding:

- The statewide long-term employment projections continue to support collaboration between the California community colleges, economic developers, local governments, and local WDBs. The statewide long-term employment projections provide customers with a reliable data source to coordinate resource investment in order to maximize their funds and achieve mutual strategic goals.

c. Activity:

- Attend required projections training sponsored by the PMP through the LMI Training Institute.

Summary of accomplishments:

- Attended PMP-sponsored webinars/training and virtual conferences.
- Attended the September 2021 virtual PMP Summit provided by the LMI Training Institute.

How customer consultation was used:

- Our customers continue to use industry and occupational employment projections for strategic planning to ensure program focus and funding are data driven. The industry and occupational employment projections help our customers identify areas of need, future planning, curriculum development/updates, and decision-making.

Which customer needs were met:

- The data published supports customers' program goals and future planning.
- By attending the PMP trainings, projections analysts stay informed of the latest nationwide technical methodology and software updates that impact the projections program. The implementation of these nationwide technical methodology and software updates are required to produce statistically relevant employment projections data for our customers to utilize in meeting their program objectives and investing their resources.

If the activity supports collaboration or leveraged funding:

- The activity supports and strengthens collaboration between the LMID and our partners. They rely on the data we produce to make informed decisions and depend on our guidance to interpret the information and to provide them with necessary training to apply their findings.

Customer Feedback for industry and occupational employment projections:

- Rio Hondo College hosted the Business Roundtable meeting on emerging industries and occupations. The LMC participated and discussed the short and long-term California level industry projections. The LMC also shared and reviewed the 2018-2028 Los Angeles County long-term occupational projections data, reviewed

- employment growth numbers and highlighted areas of most growth. Educators and employers were appreciative of the data and discussion.
- The Los Angeles Chamber of Commerce and the Los Angeles World Airports hosted a roundtable discussion on the transportation and logistics industry. The LMC participated in the discussion and provided short-term California industry projections data and long-term industry projections data for Los Angeles County. The LMC also shared and reviewed 2018-2028 Los Angeles County long-term occupational projections data noting the high-demand and declining occupations. Event organizers, career technical education instructors, and industry employers were happy with the data shared and looking forward to additional collaboration.
 - The Assistant Director for the Ventura County WDB requested a list of manufacturing occupations that are in-demand or will be in-demand in Ventura County. Using 2018-2028 occupational employment projections the LMC compiled a list of occupations for the manufacturing industry. The customer expressed gratitude for the service and list provided.
 - The California Lutheran University, School of Management Dean, requested information on the employment and workforce needs in Ventura County. The LMC delivered a presentation on the overall state of the labor market in Ventura County. In order to facilitate a better understanding of where the growth opportunities will be for the school graduates, a link to the industry and occupational employment projections was provided. The customer was appreciative of the presentation and data provided.
 - A Program Manager from the Los Angeles County Office of Education, Healthcare Advisory board, requested a presentation and data on the healthcare industry. The LMC provided an overview of tools available on the LMID website, including occupational wages, career exploration tools, Find Employers tool, and employment projections. The presentation focused on employment projections in the healthcare industries and related occupations, as this was the focus of the advisory board. The customer thanked the LMC for the presentation noting, "It was thorough, and the board learned a lot from the information you provided us. We look forward to our partnership."
 - The Sierra College Career Transfer Connections Manager requested insight into the regional labor market and how to find industries that are currently hiring to assist staff in planning career events at the college. The LMC provided a walkthrough of the industry and employment projections data available on the LMID website and discussed how projections provide insight to growing industries and occupations for the area. The walkthrough also included tools such as the employment projections and online job vacancy statistics dashboards.
 - The Director for Yuba City Unified School District Career and Technical Education (CTE) program requested information that would shed light on the feasibility of new career pathways. The LMC reviewed the occupations in the CTE pathways and cross walked the occupations to LMID's occupational projections. The LMC provided the customer with a report containing relevant occupational outcomes for each of the CTE industries. The customer was pleased with how well the LMC understood the CTE program and was grateful for the information.
 - The Marysville Joint Unified School District requested industry and occupational forecasts related to culinary arts. The LMC used staffing patterns to determine industries and occupations that were relevant. The LMC extracted the data and provided an Excel file and link to the projection's dashboard with instructions on how to use staffing patterns. The customer stated, "Thank you so much for always going the extra mile."

- The Dean of Health Sciences University Program at Shasta College requested occupational projections for the CTE Committee's Perkins Funding Program. The Dean supplied the LMC with a list of programs offered at the college, which fell under the CTE purview. The LMC used that information to cross reference O*NET and create an Excel file with California short-term occupational projections.
- An Employment Program Manager (EPM) with the San Francisco AJCC requested projections for a list of targeted occupations. The LMC provided a customized spreadsheet containing a list of occupations, as well as relevant industries with 10-year local projections for the San Francisco Metro Division. The customer replied, "Thanks so much! We owe you one!"
- A Youth Counselor for Yuba County requested a walkthrough of how to obtain industry, occupation, and wage information to help clients make employment and career decisions. The LMC provided an overview and analysis of industry and occupational projections and the current wage data tables, as well as an explanation of the methodology. The LMC also demonstrated how to navigate to the occupational guides and profiles and other resources on the LMID website.
- A Reporter from the Fresno Bee requested information on the occupational titles for forklift drivers, machine operators, and packers for a story she was doing on the Sun-Maid Raisin factory. The LMC provided a spreadsheet of these occupational projection titles from the 2018-2028 occupational employment projections. The reporter was also sent a link to the U.S. Department of Labor's BLS for additional information. The customer sent an e-mail, "Thanks so much for the employment projection data."
- A Business Specialist for the Department of Rehabilitation (DOR) requested assistance with understanding and using occupational projections to assist job seekers in nine counties. The LMC provided the customer with an overview of the occupational projections methodology and reviewed the projections data sheets available on the LMI website. The LMC also extracted specific occupational projections and wages data as identified by the customer to support program needs. The customer was grateful for the assistance and time the LMC took with the LMI website walkthrough and for "thoroughly explaining the projections and wages methodology".
- A Manager for a migrant worker employment assistance program in Kern County requested assistance with accessing occupational projections to identify in-demand occupations to request and allocate training funds. The LMC provided the customer with an overview of the occupational projections and wages and assisted the customer in identifying several in-demand occupations to allocate training funds for participants interested in transitioning from farm work. The customer was very thankful and indicated that the assistance and data provided allowed their program to make informed decisions and supported their monetary allocations.
- A Staff Services Manager for the Business Services Consultation Unit from the DOR in Southern California requested information regarding the labor market forecast for the Inland Empire, including what industries were hiring or were likely to be hiring in the future. The LMC delivered documents on the monthly employment report, including labor force and industry employment data, occupations by industry sectors, and industry and occupational employment projections. The LMC also included data from the Online Job Ad Vacancy Statistics dashboard. The customer stated, "Thank you for your efforts."
- A Disabled Veterans Outreach Program Specialist requested migrant and seasonal farmworkers data for Imperial County. The LMC provided the customer with agricultural employment estimates for the Desert Region, links to occupational profiles related to farming, 2018-2028 occupational employment projections, and

- 2021 OEWS data. Additionally, the LMC provided the customer with the U.S. Census Bureau American Community Survey (ACS), 2019 5-year estimate table that includes estimates for farming, fishing, and forestry occupations. The customer thanked the LMC for providing the information and stated in an email, "The recipients of your reports the other day were very grateful. The comprehensive response and information below are so very much appreciated...the way you presented the information integrates its practical use along with projections. Thank you so much!!"
- A Program Administrator for the Santa Clara Unified School District's Adult Education needed to identify the fastest growing occupations in the area. The LMC sent a link to the employment projections with the fastest growing occupations for the San Jose Metropolitan Statistical Area (MSA) as well as provided a link to methodology for the data. The customer stated, "This is exactly what I was looking for, thanks so much!!"
 - An EDD Veteran Services Representative requested assistance with locating agricultural data for the Santa Clara area. The LMC provided industry estimates for farm and agriculture related occupation projections, as well as links to the agricultural data on the LMID website. The LMC also provided additional resources and links to the U.S. Census Bureau ACS and Department of Labor Agriculture Survey datasets. The customer appreciated the quick response and found the data very helpful.
 - A Talent Manager from Robert Half called the LMC to ask about LMI resources that may be useful for helping job seekers and employees. The LMC talked to the customer about different resources the LMID has available and sent links with descriptions for projections data, the HWOL dashboard, OEWS data, the Supply and Demand Tool, and the O*Net tool to look at which occupations fall under specific industries. The customer asked if the LMC could pull job ad data for Alameda and Contra Costa Counties from January to March. The LMC provided the customer with a couple different datasets including job ad data from Labor Insight. The customer was very grateful for the data provided.

3. LMI training provided for service delivery

a. Activity:

- Provide LMI trainings to meet local customer needs.

Summary of accomplishments:

- The LMID provided approximately 65 LMI trainings with more than 1,500 attendees designed to meet local customer needs.
- The LMID provided 188 local area presentations with nearly 4,200 attendees.

How customer consultation was used:

- Consultation led to customizing LMI trainings to meet customer needs. Customers request LMID training to learn about LMI data and tools available through our website to make informed decisions on curriculum planning, career development and exploration, as well as statistical data to better understand the labor market trends.

Which customer needs were met:

- Interested customers learned how to incorporate LMI information and resources into their day-to-day work to produce and provide better services and outcomes using factual LMI data.

If the activity supports collaboration or leveraged funding:

- The activity supports and strengthens collaboration between us and our partners. They rely on our expertise and knowledge to help them train their staff on the use and application of LMI data and tools.

b. Activity:

- Facilitate the LMI Advisory Group.

Summary of accomplishments:

- In collaboration with California Community College Chancellors Office Centers of Excellence (COE), the LMID facilitated two [LMI Advisory Group](#) meetings during Program Year 2021. During the November 2021 meeting, the LMID presented the California Earn and Learn Dashboard, a web-based interactive tool designed to assist job seekers, workforce partners, and businesses identify potential occupations in which users could earn a wage and learn new skills at the same time. The Inland Empire/Desert Center of Excellence and the San Bernardino County Superintendent of Schools Alliance for Education presented an interactive map that allows users to locate regional community college programs, K-12 educational pathways, and regional employers. During the May 2022 meeting, the Department of Health Care Access and Information discussed their California Health Workforce Research Data Center, California's central source for health workforce and education data. The LMID staff also provided economic updates while soliciting feedback through group discussion and customer satisfaction surveys. LMI Advisory Group members represent stakeholders in education, workforce, job-training, and related areas. This includes state, local and federal government entities, the workforce preparation community, economic development agencies, businesses, economists, researchers, labor, and the employer and job seeker communities. Meeting agendas and presentations are published on the [LMID website](#).

How customer consultation was used:

- Through presentations and workshops provided at the LMI Advisory Group meetings, stakeholders are consulted, and feedback is gathered for new and updated LMI products. These customers are continuously encouraged to provide suggestions and recommendations for future LMI products to better fulfill their needs.

Which customer needs were met:

- In addition to providing feedback on new and updated LMI products, customers are asked to complete a satisfaction survey at the conclusion of each meeting. Through the survey, customers can make suggestions for future presentations, request tailored products to fit their needs, and volunteer to present on a current project they are working on that features LMI.

If the activity supports collaboration or leveraged funding:

- The LMI Advisory Group meeting encourages and supports collaboration by bringing customers and stakeholders from a variety of professional backgrounds together and allowing them the opportunity to share how they benefit from LMI and connect with fellow LMI Advisory Group meeting participants who are working on similar projects.

Customer feedback for LMI training provided for service delivery:

- The Los Angeles Coastal Workforce Services Division, Region 3 management team requested a training reviewing career exploration tools and tailoring LMI tools and data to their customer group. The LMC provided an overview of LMID's website

- including career exploration tools, employment projections, and the Find Employers tool. The management team replied, “thank you for doing the live presentation on the LMID website. This helps the staff to visually know where they can access certain information needed.”
- The EPM for the Pasadena/Glendale cluster requested a presentation for their AJCC partners based on the Verdugo Economic Summary. The topics covered were unemployment rates, job advertisement information, and industry employment. A staff member with the City of Glendale replied “Thank you so much for today’s presentation. It was really very informative!”
 - Pierce Community College requested a presentation on the uses of LMI for career counselors and staff. The LMCs delivered a website overview which included a review of the occupational profile, wages and projections of employment, and career exploration tools. The College Dean was very appreciative and asked the LMCs to return regularly to share this useful information. “Thank you for your informative presentation and enthusiasm for what you do. We enjoyed learning about what’s been happening in the labor market and how we can use this data and website resources when meeting with students. We’d love to get a copy of your presentation and cheat sheet when you get a chance, so I can forward it to the Counseling team.”
 - A Regional Business Specialist from DOR requested a presentation on navigating the LMID website. The LMC presented the information at the statewide business specialist meeting. The feedback received was as follows, “Thank you so much for being the guest speaker at the DOR Statewide Business Specialist Call. There were many great comments, and participants appreciated the PDF to reference how to navigate the EDD webpage. We appreciate your time and look forward to our continued collaboration.”
 - The Economic Development Collaborative (EDC) Communications and Marketing Manager requested a presentation on LMI resource availability. The LMC presented an overview of the data available at an EDC Business Committee meeting and provided additional LMI resources. The feedback received was as follows, “Thank you so much for your time and these resources! We truly appreciate it. I will pass these along.”
 - An EDD, Youth Employment Opportunity Program (YEOP) specialist requested a training on the most useful tools on the LMID website for the youth case managers. The presentation included an overview of LMI, career exploration tools, employment projections, occupational wages, and the Find Employers tool. The YEOP specialist remarked, “The presentation was amazing. This is what our program needed, and the information will be put to good use.”
 - An EDD WSB Deputy Division Chief (DDC) requested a series of LMI trainings for his managers and staff. The LMCs provided LMI training for staff at the Compton/Long Beach/Torrance AJCC’s to assist job seekers in their job search. An overview of the LMID, as well as a live walkthrough of the LMID website career exploration tools, employment projections, occupational wages, Find Employers tool, and the Supply and Demand Tool were provided. Attendees stated this was time well spent and will be put to good use with their clients. The requesting DDC added, “Thanks again for generously sharing your knowledge with my team.”
 - The Santa Ana WDB requested LMI specific to Orange County and Santa Ana City. The LMC presented board members with current labor force and industry employment data, COVID-19 economic recovery status, and job advertisement information. The Board Chair stated, “It’s always nice to have you on the agenda. You have so much information that is very interesting.”

- The Southern California Regional Rapid Response Roundtable requested a LMI presentation for approximately 75 members covering Southern California. The presentation covered Los Angeles, Orange, Riverside, San Bernardino, San Diego, and Ventura counties. The LMC provided an overview of the economies, summarized the pandemic recovery to date for each county, and provided the top 10 occupations for each county. The rapid response coordinator, went on to share the information broadly, noting that the LMC, “provided valuable information on CA Recession and Recovery, So Cal Economy, World of Work and Top 10 Occupations.”
- A Center Manager of the California Human Development requested LMI training for staff at the Galt AJCC. The LMC provided training on accessing LMI resources from the LMID website. After the training, the customer thanked the LMC via email and stated, “Thank you for the presentation, it was great and very informative. This is a tool that will come in handy when working with our clients.”
- A Veteran Program Support Liaison from the EDD’s Deputy Director’s Office requested a LMI presentation. Several LMCs collaborated to provide a presentation on accessing LMI resources from the LMID website to the California Jobs for Veterans State Grant staff at the 2021 Annual Training Conference. After the presentation, the customer sent an email and stated, “Thanks for participating in our conference this morning. You all did great!”
- A Training and Employment Counselor for Yuba County requested a presentation that highlighted the construction industry and occupation projections for the Yuba, Sutter, Sacramento, and San Francisco areas. The LMC shared industry information that showed historical and current employment changes in the construction industry, as well as current projections for the industry and associated occupations. In addition, the LMC provided a list of the top construction employers by job postings to demonstrate the labor demand. The customer stated, “Thank you for taking the time to put the data together, this data is extremely important for the decisions we make when helping our customers.”
- An EPM with the Vallejo AJCC requested an overview of the LMID website to serve as a training session for new staff and a refresher for other staff. The LMC provided a walkthrough of how to locate integral tools of interest on the LMID website including: career exploration resources, long-term projections, occupational guides, and online job vacancy statistics. The staff thanked the LMC, stating that they were excited to get back to their desk and try the tools on their own.
- The Madera WDB Program Supervisor requested training on the LMID website. The LMC provided an overview of occupational guides, employment projections, occupational wages, and Find Employers tool. The customer sent an e-mail, “Thank you for the training.”
- An EPM at the Visalia AJCC requested a LMI overview training and live demonstration of tools and products available on the LMI website for staff in the Bakersfield cluster, consisting of five offices. The LMC provided an overview of LMID services and a thorough walkthrough of the LMID website. The LMC reviewed tools and products available online, including career exploration tools, industry and occupational projections, occupational wages, finding local employers, and online job vacancy statistics. The Bakersfield Cluster Management team was pleased with the ongoing collaboration with LMID and the opportunity to have new and existing staff learn LMI tools.
- An EDD Veterans Manager requested a LMID overview and training on tools the Veteran Representatives can use to assist their customers. The LMC provided an overview of LMI, a labor force and industry employment update, Veterans Quick

Links Guide, and a live demonstration of the resources and tools available on the LMID website.

- A DOR Manager requested an overview of San Bernardino County and training for her staff on the tools and resources staff can use to assist their customers. The LMC provided an overview of San Bernardino County, demographics, labor force, industry employment, online job vacancy statistics, employment projection tools, occupational guides, career exploration, how to find local employers, a live demonstration of the resources, and a DOR Quick Links Guide. The DOR manager thanked the LMC stating, “Thank you for this training, these are valuable resources for our staff.”
- A Training Office from the DOR requested training for new DOR counselors attending the New Counselor Academy regarding the most useful tools on the LMID website. The LMC provided an overview of LMID, its datasets and reports, and a live walkthrough of the LMID website. The training included reviewing career exploration tools, employment projections, occupational wages, Find Employers tool, online job vacancy statistics, and Supply and Demand Tool. The customer thanked the LMC, stating in an email, “I want to follow up with you and thank you for presenting to our counselors at the New Counselor Academy. Your presentation was very well-received. I would love to be able to invite your expert voice back to talk about this very significant topic of Labor Market Information. The EDD website is really amazing.”
- At the request of an EPM the LMC trained attendees on the most current revised and preliminary civilian labor force, unemployment rates, and industry employment for the Imperial and San Diego Counties. In addition, the training included occupational employment, wages, and projections. A participant stated, “As a participant this was a smooth and pleasant experience. The accessibility of the LMID tools presented is made so that the end-user can engage without feeling overwhelmed by the output of the stats provided.”

4. Annual economic analysis and other reports

a. Activity:

- Conduct labor market research and produce periodic online labor market reports providing analyses of statewide and regional labor market trends.

Summary of accomplishments:

- The LMID produced the monthly [California Labor Market Review](#). It provided analysis of the California economy related to the current employment situation.
- As the nation commemorates Labor Day, the LMID produced [A Labor Day Briefing for California](#) which provides data on California’s workforce. This annual report presents significant labor market trends and topical statistics relating to the California economy as well. It also includes regional analyses for the fifteen RPUs used by the state workforce development system in strategic workforce planning.
- The LMID published the [California’s Veterans in the Workforce 2021](#) report that uses data from the BLS and the U.S. Census Bureau to provide an overview of workforce trends related to California’s veterans.
- The LMID utilized Unemployment Insurance (UI) claims data and provided data deliverables broken out by industry and county for stakeholders that range from members of the media to various local, state, and federal agencies.
- The LMID produced clear, concise deliverables over the course of the fiscal year for members of the media, state agencies, and other EDD stakeholders across the state. The deliverables covered a wide range of topics including, but not limited to, the following: disabled persons, hourly workers, industry analysis, regional analysis,

UI claims, and veterans. All of these deliverables were delivered in a timely manner and satisfied the informational needs of the requestors.

- Each month, the LMID released an Employment Situation Press Release on our [LMID website](#) and through outreach to media and our stakeholders. The report is an analysis of California labor force and unemployment data, as well as economic indicators and trends. An example of California workforce trends we highlight is California's Labor Force Participation Rate (LFPR) which measures the number of persons actively in the labor force as a ratio of the population. For example, California's LFPR fell by 0.1 percentage point to 62.4 percent in July 2022 after increasing by a total of 1.4 percentage points over the six prior months. California's July 2022 LFPR was 2.6 percentage points higher than its record low of 59.8 percent in May, October, and November 2020 but still remained 0.4 percentage point lower than its pre-pandemic level of 62.8 percent in February 2020. The California LFPR was higher than the U.S. LFPR, which fell 0.1 percentage point to 62.1 percent July 2022, for the first time since March 2010. Year-to-date in 2022, the U.S. LFPR has risen by 0.2 percentage point. California's rose by 1.3 percentage points over the same period.

How customer consultation was used:

- Part of the mission of the EDD is to deliver valuable services to meet the evolving needs of employers, workers, and job seekers. The EDD LMID receives information inquiries and requests for research from stakeholders that range from the general news media to state legislature. Information on these requests is recorded in the LMID's customer database. It provides insight into the nature of the data request and the information the LMID can provide. This information is valuable and reviewed to gauge the type of information our customers look for. In addition to the customer database, the LMID personnel are always in direct communications with our stakeholders and the LMID receives valuable feedback and recommendations for research reports and products directly from them.

Which customer needs were met:

- The LMID continues to provide information tailored to meet each customer's need. We have received positive feedback from a host of our customers that include local workforce boards, members of the news media, and private research firms. The LMID provides important information which allows customers to make data-driven decisions. A large number of returning customers is a strong testimony of the LMID's high quality service.

If the activity supports collaboration or leveraged funding:

- The LMID supports partnerships, collaborations, and joint research ventures to not only foster working, professional relationships, but to enhance the number and quality of LMI products and services that can be provided to the general public. The activities outlined contain information that have supported joint research ventures and leveraged funding in the past.

b. Activity:

- Collect and deliver agricultural employment data (not funded by the BLS or U.S. Department of Agriculture).

Summary of accomplishments:

- The LMID published detailed regional monthly agricultural employment data from 1990 forward. This data series continues to be the most current agricultural

employment data available. This has been useful to customers for conducting analysis of the effects of climate changes in California on economic activity.

How customer consultation was used:

- The LMID staff meet quarterly with U.S. Department of Agriculture-National Agricultural Statistics Service (USDA-NASS) California staff to review the data collection instrument and any data collection issues that have been identified in the intervening months.

Which customer needs were met:

- This unique data series produces agricultural employment by crop type by region. This data is used by the State Legislature, various entities within the EDD, and outside customers to track the economic health of the agricultural labor market.

If the activity supports collaboration or leveraged funding:

- The LMID has a contract with USDA–NASS to collect a subsample of data for the first month of each quarter for national use. This lessens respondents' burden by allowing agricultural employers to report only once to fulfill the needs of two agencies. This contract allows LMID to collaborate and leverage funding from USDA to continue the collection and preparation of agricultural data, ensuring further analyses on these data that otherwise would not be available to customers.

c. **Activity:**

- Produce small county industry employment data (not funded by the BLS).

Summary of accomplishments:

- The LMID produced small area industry employment estimates, allowing partners in the workforce development system to access consistent sub-state industry employment data to assist them in making strategic and operational program decisions. This supports the ETA's strategic goal of generating the most current and local information. The LMID continues to produce timely, monthly estimates for small areas, which are released at the same time as the BLS estimates for larger MSAs in the state.

How customer consultation was used:

- The LMC staff and managers attended various meetings throughout the state to provide data on the most current economic conditions. They then relay customer feedback and suggestions back to the LMID staff assigned to produce the small county estimates. This information is analyzed and incorporated into future estimation cycles.

Which customer needs were met:

- This data series is the primary source of current economic information by industry for small counties within the state. It is used by Local Workforce Development Areas (LWDA), local government entities, and regional economic planners in assessing the current economic health of the small areas.

If the activity supports collaboration or leveraged funding:

- The LMID staff use the BLS ACESWeb system for non-CES areas to produce the monthly employment by industry estimates. They also use it for the annual benchmarking of the estimates to the QCEW data, which allows for the updating of

- both statewide and county-level data. The small county data are also used as an input into the BLS Local Area Unemployment Statistics (LAUS) program estimates.
- Leveraged existing LMI and WIOA funding to continue the preparation of small county data providing analyses on these data that otherwise would not be available to customers.

d. **Activity:**

- Produce disaggregated county-level data from multi-county MSAs (not funded by the BLS).

Summary of accomplishments:

- Disaggregated industry employment data for multi-county MSAs into single-county data sets annually. This allows customers to make county-level data driven decisions, which would not otherwise be available.
- Disaggregated occupational employment and wage data for multi-county MSAs into single Metropolitan Division data sets annually. This allows customers access to more detailed local data, which would not otherwise be available.

How customer consultation was used:

- Consultations lead to educating the customer on data availability at the local level.
- The LMC staff and managers attend various meetings throughout the state to provide data on the most current economic conditions. They then relay customer feedback and suggestions back to the LMID staff assigned to produce the estimates. This information is analyzed and incorporated into future disaggregation efforts.

Which customer needs were met:

- The customers use the data for local planning and evaluation at the county and sub-county level.
- These data series are used by the LWDA, local government entities, and regional economic planners in assessing the current economic health of the subareas within larger aggregated MSAs.

If the activity supports collaboration or leveraged funding:

- The activity supports collaboration between partners, in that the LMID can customize deliverables at the county and sub-county level to meet their needs.

e. **Activity:**

- Produce static and interactive maps and geospatial analyses reports for workforce development, AJCCs, policy decision makers, and others.

Summary of accomplishments:

- The LMID staff mapped employment and related data to assist policy makers and staff responsible for responding to various emergencies, such as fires and earthquakes. Staff created and updated real-time fire perimeter maps that illustrated and tabulated employers and employment potentially affected within actual fire perimeters and various radii of those perimeters. These efforts assisted the workforce delivery system, the EDD Unemployment Insurance Branch staff, and allowed decision makers to stay informed during actual emergency events.
- The LMID staff provided Geographic Information Systems ([GIS Services and Maps](#)) for customers, including AJCC decision makers and local WDBs. Staff also conducted geo-spatial analyses using GIS tools, provided geocoding services in

support of mapping requests, provided mapping assistance, and prepared data files for use in various projects. Examples of the above include:

- Provided weekly geocoding of UI Claims including spatial joins to determine LWDA's claims and of the Los Angeles County Supervisor Districts.
- Updated maps displaying H2A job openings, Farm Labor Contractors, Fixed Site Growers and Shepherders for the Foreign Labor Certification Unit.
- Updated map displaying California office locations of AJCC's.
- Updated the special version of the Agricultural Employment map that displays Migrant and Seasonal Farmworker offices assigned to Analysts in the Monitor Advocate Office.
- Performed ZIP code analysis around Federal Trade Adjustment Assistance (TAA) offices in support of WSB promotional efforts for the TAA program.
- Created a statewide map displaying Employment Training Panel COVID Pilot contract locations.
- Developed maps for LMID's report "Data-Driven California Regions for the Community Economic Resilience Fund" for the Undersecretary of the Labor and Workforce Development Agency.
- Summarized employment data for each of the Service Areas of the Los Angeles Department of Water and Power.
- Collaborated with the LMID LAUS Unit to compile labor force data by community college district for the COE for Labor Market Research.
- Created daily fire reports and approximately 75 fire maps.
- Compiled 2019 QCEW for CA Nature areas by specific North American Industry Classification System (NAICS) codes for the Department of Conservation.
- Provided 2019 and 2020 QCEW data by both old and new Political Districts.
- Compiled zip code data displaying office locations within 25 and 50 miles of Trade Adjustment Services providers.

How customer consultation was used:

- The LMID GIS staff periodically provide presentations at the LMID Advisory Group meetings on the latest products and maps. Information provided by meeting participants is then incorporated into future GIS projects.

Which customer needs were met:

- The LMID GIS products support both statewide and regional planning efforts as mandated by the WIOA implementation guidelines. Various entities throughout the state have used GIS products to better understand the scope and impact of natural disasters and other one-time events such as the Public Safety Power Shutoff (PSPS) on the statewide and local economies.
- Expanded GIS capacity to produce maps and related data for the local WDBs. The maps assisted local planners with LMI organized by geographic areas such as political districts, fire districts, and customized boundaries.

If the activity supports collaboration or leveraged funding:

- The LMID has worked with the California Office of Emergency Services, California Department of Forestry and Fire Prevention, and the Governor's Office of Business and Economic Development to respond to customers' requests for tables and/or maps that detail various economic activities, such as industry employment or labor force statistics, in areas throughout the state affected by sudden economic events.

f. Activity:

- Produce detailed OEWS data for customers, including joint projects with other government agencies, and various regional workforce boards for career and economic development.

Summary of accomplishments:

- The LMID responded to many internal and external customer requests to provide customized occupational estimates of employment and wages. Using the Local Employment Wage Information System (LEWIS), staff were able to produce the most current custom estimates for detailed geographic areas not otherwise available from the base OEWS survey data such as: wage estimates at various percentiles; staffing patterns by industry; employment and wage estimates by education and training levels; and other data critical for in-depth occupational research. Staff use this system to store, produce, and screen occupational data at a detailed level that would not otherwise be available for the above described purposes.

How customer consultation was used:

- Consultations lead to producing detailed occupational employment and wage data statistics for customers, including joint projects and customized reports.
- To educate the customers and stakeholders about the collection of employment and wage data through the OEWS program, and how estimates are created for the number of people employed in certain occupations and the wages paid to them by industry and geographic area.

Which customer needs were met:

- This data series is the only comprehensive source of regularly produced occupational employment and wage data for the U.S. economy. Customers use occupational employment and wage data for research and decision-making.
- To provide timely and accurate occupational and wage data sets of non-confidential and statistically reliable data for designated areas and industries.
- The detailed occupational wage estimates are the main data input for the development of short-term and long-term occupational employment projections. These employment projections are critical for planning statewide and local job training efforts.
- The detailed occupational wage estimates are used in other LMI products such as California Occupational Guides, the Regional Planning Unit Dashboard, and the Labor Day Briefing Report.

If the activity supports collaboration or leveraged funding:

- The activity supports collaboration and joint projects between the LMID and partners. Customers rely on the LMID as the official source of occupational employment and wage data.
- The LMID collaborated extensively with the California Department of Human Resources (CalHR) to produce their 2021 Salary Survey Report for California state employees. The OEWS staff used LEWIS to produce detailed OEWS occupational wage data. The CalHR used the data to compare California state employee wages to those offered to private sector, local government, and federal government employees in the same occupations.
- As part of an ongoing contract with the California Prison Industry Authority, the LMID provided analysis of minimum entry-level wage information for jobs established through the Joint Venture Program. Using the detailed wage information on selected

occupations, the customer was able to determine acceptable wages and the effects of jobs provided to inmate workers.

- An integral part of producing custom occupational employment and wage data is the use of the LEWIS. Collaboration with nationwide LEWIS staff for updates and training allow us to produce detailed occupational estimates and to identify confidentiality issues.

g. **Activity:**

- Provide public information services and respond to field public requests for LMI.

Summary of accomplishments:

- The 20 locally assigned LMCs routinely responded to questions from the general public, handled media requests, developed products, and provided presentations and training to local WDBs, employer groups, economic development entities, local educational entities, Legislators, state agencies, and other WIOA partners.
- Staff responded to calls, emails, and in-person requests from local workforce development executive directors and their staff to assist with the analysis of LMI and other external data sources for their long-term strategic plans. Other WIOA partners interacted with LMI staff during regularly scheduled meetings and special events (i.e., cannabis resource fairs).

How customer consultation was used:

- Customer consultations are used to fill and customize requests using internal or external tools and resources.

Which customer needs were met:

- The LMID responds timely to any inquiries received from our various customers groups.

If the activity supports collaboration or leveraged funding:

- The activity supports collaboration and partnerships with various customers through continued communication and information sharing upon request.

Customer Feedback for annual economic analysis and other reports:

- The Research and Program Evaluation Specialist in the State Plan and Policy Development Team at the California WDB asked for help and thoughts on her Zero Emissions Vehicle (ZEV) workforce project. The OEWS staff addressed the specialist's inquiry regarding employment of specific occupations in the ZEV industry, staffing patterns matrix, and provided a brief overview of the OEWS program. This information helped the specialist understand how occupational employment wage data is collected/estimated. The specialist thanked the LMID staff who attended the conference call and stated she will reconsider her approach regarding occupations for the ZEV project.
- The Cal/OSHA, Research and Standards, Ph.D. in Oakland inquired about employment data that may be available through the LMID. He wanted to know if the state of California had data on California employment that reports the number of employees within the Standard Occupational Classification (SOC) system by NAICS code specifically in NAICS code 62 (2-digit level) and wondered if the LMID had better estimates than the BLS. He was advised that if he's only looking for just employment counts to use the BLS data released in the May 2021 occupational estimates. He explained the SOC codes help because they are estimating costs for implementing COVID vaccination for subsets of public employees in the 99 sector so

- having different job classifications helps. Getting the 99 data sorted by federal state and local ownership would help because we could eliminate federal employees from our estimate. We provided the results from the NAICS search 99 (2-digit level) and the SOC data for 999, 9991 (Federal), 9992 (State), and 9993 (local) and explained that we cannot get state-specific SOC data for NAICS 922120 - Police Protection and 923120 - Administration of Public Health Programs. The customer replied that this file is very helpful, and that the federal/state/local breakdown is just what he needed.
- A forensic Certified Public Accountant inquired about how to get median “salary” for a Real Estate Agent since they are treated as independent contractors and their “salary” is reported on a 1099. The OEWS staff explained the median “salary” is calculated based on data received from employers who have reported a “Real Estate Agent” is on their payroll and earning wages. Even though many Real Estate Agents may be independent contractors and that data is not collected by the OEWS program, there are other industries that may have an agent on their payroll. For example, employers in new home construction and property management are two industry sectors that may report a Real Estate Agent on their payroll and that data is collected by the OEWS Program.
 - The Customer Insights Analyst at the California Dental Association inquired about employment data. The OEWS staff provided a brief overview of the OEWS program explaining how the occupational wages are collected and estimated.
 - The COE staff wished to increase their understanding of the data on the firefighter occupation and how those data are derived and what kinds of fire employers (local, state, federal and private) and employment contracts (permanent, seasonal, volunteer – paid retroactively) are factored into the estimates. The OEWS staff provided a detailed explanation on how the data was collected and estimated for that occupation.
 - The Management Information Systems Administrator for the City of Glendale/ Verdugo WDB requested job data on a monthly basis. The LMC provides an online job advertisements report showing top occupations and top employers with the most job openings in the Verdugo area to be shared in the WDB meeting.
 - The Economic Development and Housing Manager for the City of Downey requested industry data for their administrative area. The Housing Manager and her team wanted to analyze the growth and decline of industries in their area to make informed economic decisions regarding their city. The LMC provided city level industry data for 2018-2021. The manager responded, “Thank you so much for the data you provided, and this is what we needed to help guide us through our decision process.”
 - The Pasadena Office of Economic Development’s Manager requested a local level industry employment report to quantify the employment recovery since the start of the COVID-19 pandemic. The LMC created a template that included industry employment charts and quantified the city’s labor force and industry employment recovery since the start of the pandemic. The Pasadena Office of Economic Development expressed much gratitude for the work and noted that the employment report was helpful to the city council to understand the city’s progress.
 - Santa Clarita City requested a customized industry employment report to identify the volume of employers in the high-tech industry. The LMC provided the customer with the number of industry establishments, employers, and average wages for various time periods within the city’s administrative area. The LMC also reviewed the data with the customer to address follow-up questions and for data clarifications. The City of Santa Clarita was appreciative of the report and plans to use the data for business development and retention planning.

- The LMC produced quarterly Economic Summary reports to distribute to various customers across their coverage region. The Economic Summaries featured information on the Central Coast counties' industry rankings, unemployment rates, number of job advertisements, and other labor market analytics depending on the release. See a sample of customer feedback: "Just wanted to send a brief note thanking you and the team for such relevant and vital information for the summaries in the Coastal Coast areas. Our local field offices are planning to use this for local employer and veteran outreach, for starters. Thank you for the three county Economic Summary's you sent me. This is fantastic... much appreciated, and valued by our DOR staff. As always, I will share with staff to assist with our consumers' employment goals."
- The LMC launched a new monthly publication, "LMI Minute" analyzing local area labor market trends. The introductory issue featured current employment and post-pandemic recovery trends in the Central Coast and received positive feedback from customers, see below for a sample of examples:
"This is great. Thank you! I love newsletters as they give really good information in a short format. I will share this with our teams." "The South Coast Chamber publishes a monthly Data Dashboard to track the economic recovery/trends of the Santa Barbara South Coast region. I've recently been forwarded multiple emails from you that contain great data and context."
- The Orange County Business Council inquired about the labor force of the county and how the estimates are produced. The LMC provided labor force data, a summary of the methodology with links to additional details and included information from the U.S. Census Bureau ACS regarding those not included in the labor force. The Vice President of Workforce and Economic Development responded, "Incredibly helpful. Thank you so much!"
- The Golden Sierra Deputy Director for the Job Training Agency requested an industry cluster study for the Golden Sierra Workforce Development Area, which includes the counties of Alpine, El Dorado, and Placer. Several LMCs collaborated to conduct the study that examined nine industry clusters that represent concentrations of interconnected firms and supply chains linked by core products or services within the 3-county region. The study compared 2017 and 2020 QCEW industry data to measure the change in regional employment, wages, and employment concentration in industries associated with the clusters between 2017 and 2020 and revealed declining, emerging, growing, and mature industries. The LMCs created an interactive Tableau dashboard to display the study findings, which was delivered to the customer to publish on their website. After the digital report was delivered, the customer stated via email, "This is great. I can't wait to dive in! Thank you!"
- A Project Manager for the North Central Counties Consortium (NCCC) WDB requested demographic and labor force information to support NCCC grant proposals. The LMC gathered, customized, and provided an analysis of the data findings from the U.S. Census Bureau ACS, as well as labor force information from LMIDs CES data program.
- The North State Planning and Development Collective requested information to confirm if the incarcerated population's overall income/wages earned is included in the medium household income. The LMC researched the U.S. Census Bureau's ACS data methodology and worked with a U.S. Census Bureau analyst who confirmed the inclusion of the wages. The LMC conveyed the information to the customer and provided a link to the methodology.
- The Yuba County Office of Education requested demographics and local labor market conditions for Yuba County. The LMC provided the most current demographic data from the U.S. Census Bureau ACS that included total population

- and breakdown of population by age groups and educational attainment. In addition, the LMC provided an array of data points from the LMID website that included a detailed report of industry and labor force changes over time.
- An analyst from the County of Sonoma requested the latest QCEW data for Sonoma County. The customer was interested in tracking the progress of targeted industries as they recover from the economic downturn due to the pandemic. The LMC walked the customer through the search tool on the LMID website to find the latest quarter of data, as well as the previous year, to make a year-over comparison of the targeted industries in Sonoma County.
 - The Director of the Sponsored Programs Foundation at California Polytechnic University Humboldt requested an analysis of occupational employment and wages for Humboldt County for use in the university's strategic planning for workforce development. The LMC responded with a report containing an analysis and interpretation of the first quarter of 2019 OEWS data for the North Coast RPU, which is comprised of Humboldt County as a standalone county. The report delivered data points such as occupational wage distribution, mean average hourly and average annual wage by occupation, and regional average annual wage for the 299 published occupations in the RPU.
 - A Senior Project Coordinator with the Economic and Workforce Development office at Shasta College requested employment data related to forestry and related supply chain industries. The LMC provided a California Forestry Cluster overview which represented groupings of firms with related business activities within the cluster that were economically interdependent and may have common supply chains, labor needs, technologies, and economic markets. The study findings were based on the most current QCEW annual average employment for 2020. The study also provided U.S. Census Bureau non-employer statistics for the industries associated with the QCEW employment study.
 - An analyst for the County of Sonoma requested UI Claims data for Sonoma County. The customer was interested in a demographic breakdown of UI claims, in order to target their services to populations most in need. The LMC was able to guide the customer to the UI Claims Online Dashboard and provide guidance on the types of demographics available. The customer was excited to find and learn how to use and interpret the self-help dashboard.
 - The City of Merced Accounts Department requested a labor market report for the City of Merced. The LMC provided labor force and industry employment data. The LMC also provided instruction to the customer on how to use the major employers in California and county lists on the LMID website. The LMC referred the customer to the U.S. Census Bureau website for demographic information for Merced. The LMC also referred the customer's request to the LMID AdHoc team. The customer sent an e-mail, "Thank you for your help."
 - A Business Services Representative from the DOR requested assistance with creating a monthly report or economic update for five counties that could assist them and their customers. The LMC currently provides a monthly economic overview containing the most current labor force, including unemployment rates, industry employment, and online job vacancy statistics with the top ten employers, top ten occupations, and top cities with most job ads in the five counties. The customer was extremely grateful and indicated that, "These reports help us provide excellent labor market-driven information and better service to our customers so they can be successful in their employment outcomes".
 - An analyst with the Bakersfield Californian requested a five-year analysis of employment and wages data in the oil and gas extraction sector in Kern County. The LMC created a five-year report using QCEW data showing employment changes in

- the oil and gas sector along with differences in average wages paid. The LMC provided visual graphs to assist the customer with interpreting the data.
- The EDD Victorville WSB Manager and the Victorville Workforce Development Department Manager requested an economic overview presentation of the five High Desert cities (Adelanto, Apple Valley, Barstow, Hesperia, and Victorville) of San Bernardino County. The LMC provided a report of the region's labor force data, including a map displaying the unemployment and labor force data. In addition, the LMC requested QCEW data from LMID's QCEW AdHoc team, which included the average number of establishments, average employment, and average weekly pay. Finally, the LMC extracted demographics data from the U.S. Census Bureau ACS and online job vacancy statistics from HWOL universe filter. In the end, the LMC presented the report via PowerPoint and the customers thanked the LMC stating "Excellent job! We'd like to thank you for your thorough presentation on the High Desert. We all really enjoyed and needed that information."
 - A Local Veterans Employment Representative (LVER) from the West Valley AJCC requested LMID's Quarterly Economic Summary to analyze the impact of COVID-19 on the local labor market which included industry employment data and labor force data. The LMC consistently provided this report regarding the Inland Empire area for the West Valley AJCC LVER. Additionally, the LMC provided further information such as Veteran statistics and key industry data that depicted how the Inland Empire fared post COVID-19 compared to the rest of California.
 - An analyst from the Imperial County WDB requested data related to the Sustainable/Renewable Energy sector in Imperial County and the size of the workforce. Furthermore, the customer asked for a list of companies and the number of employees for businesses within the Sustainable Energy sector. The LMC informed the customer of the BLS annual mail survey known as Green Goods and Services that collected data on the size and scope of the United States green economy, the 2010 California's Green Economy study published by the LMID and provided the customer a report with the industries that had the greenest jobs. In addition to providing the customer with the labor market studies, the LMC provided the customer with the Green Occupational Guides, 2021 OEWS data, employment projections, staffing patterns, and the most current industry employment estimates with industries named in the 2010 LMID study being highlighted. Finally, the LMC provided the customer with an employer list using the EconoVue 'clean and green' industry filter. The customer thanked the LMC for providing the information and stated in an email, "Thank you very much for this data and the helpful background!"
 - The Deputy Director of the Sacramento Employment and Training Agency requested a meeting to locate data to help the City of Sacramento on an Early Childhood Education and Childcare Sector Initiative. The LMC discussed available data by industry and occupation for Sacramento County. After the meeting, the LMC requested a custom dataset for historical UI claim totals for the child day care services industry. The LMC also provided QCEW employment and establishment data for the child day care services and elementary and secondary schools industries. The customer was very appreciative and excited to learn more about the data available through the LMID.

5. Contribution to help the state and local economy

- The LMID created and maintains three dashboards with interactive charts and graphs to help customers access and explore valuable California UI claim information. The [California Unemployment Insurance Claims Data Dashboard](#) features total claims filed and what happens to those claims. The [California](#)

[Unemployment Industry & Demographics Data Dashboard](#) shows claims data broken out by county, as well as industry and various demographics at the county and state level. The [Call Center Data Dashboard](#) shows total UI calls, unique callers, and calls answered by staff.

- Developed and maintain the [Online Job Vacancy Statistics Dashboard](#) that provides timely monthly measures of labor demand (advertised vacancies) for the United States, California, and 29 MSAs in California. The dashboard is housed on our LMID website and displays:
 - Top Occupations with the most job ads in your area.
 - Cities and Census Designated Places with the most job ads in your area.
 - Top Employment Sectors with the most job ads in your area.
 - Top Employers with the most job ads in your area.
- Developed the [Earn and Learn Occupations Tool](#) to assist job seekers and workforce partners to identify potential occupations in which you could earn a wage and learn new skills at the same time.
- Beginning on March 2020 the start of the COVID-19 pandemic, the LMC's disseminated weekly UI claims data by LWDA's, Zip Codes, county, and other demographic levels. In addition, the LMCs filled a variety of customized UI claims data requests for different customers.
- The LMID completed four Rural Loan Application Reports at the Employment & Training Administration's request. As a State Employment Security Agency (SESA), the California (EDD) is charged with "providing labor market information needed to determine whether the rural industrialization loan would result in an adverse competitive effect upon existing competitive enterprises in the area". This analysis includes five general areas:
 - Overall employment and unemployment situation in the area where the loan is to be utilized.
 - Area trends in the industry.
 - Probable local competitive impact.
 - Competitive impact on other areas in the State.
 - SESA recommendation.
- To complete this analysis, a team of two to three LMCs, a Research Data Supervisor, and the Local Information Services Group Manager spent a total of 50 to 60 hours, plus additional time for review by the Division Executive Team. During this time, the team collected all relevant data, reached out to previously identified competitors, compiled findings into a report, and provided an impact evaluation where possible. Typically, there are less than two weeks to complete the task and submit the report to the Department of Labor. Because of its priority status and short turnaround time, rural loan applications command significant attention from the principal staff and management, usually requiring other tasks to be reprioritized until completion.

Recommendations for changes or improvements to the required grant deliverables

- The LMID believes the current required grant deliverables adequately serve our customers and the Division is well positioned to continue to produce goods and services under the existing parameters, though increasing costs will eventually affect the quality and quantity of products and services provided to customers.

The following table describes the significance of various abbreviations and acronyms used throughout the report.

Abbreviation	Meaning
ACS	American Community Survey
AJCC	America's Job Centers of California
BLS	Bureau of Labor Statistics
CTE	Career and Technical Education
COE	Centers of Excellence
CES	Current Employment Statistics
DOL	Department of Labor
DOR	Department of Rehabilitation
DDC	Deputy Division Chief
EDC	Economic Development Collaborative
EAC	Employer Advisory Council
ETA	Employment and Training Administration
EDD	Employment Development Department
EPM	Employment Program Manager
GIS	Geographic Information Systems
HWOL	Help Wanted OnLine
LMC	Labor Market Consultant
LMI	Labor Market Information
LMID	Labor Market Information Division
LAUS	Local Area Unemployment Statistics
LEWIS	Local Employment Wage Information System
LVER	Local Veterans Employment Representative
LWDA	Local Workforce Development Areas
NCCC	North Central Counties Consortium
OEWS	Occupational Employment and Wage Statistics
QCEW	Quarterly Census of Employment and Wages
RPU	Regional Planning Units
SELACO	Southeast Los Angeles County
SOC	Standard Occupational Codes
USDA	U.S. Department of Agriculture
UI	Unemployment Insurance
WLMI	Workforce and Labor Market Information
WDB	Workforce Development Boards
WIOA	Workforce Innovation and Opportunity Act
WID	Workforce Information Database
WIGS	Workforce Information Grants to States
YEOP	Youth Employment Opportunity Program
ZEV	Zero Emissions Vehicle

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