



U.S. Department of Labor  
Employment & Training Administration



National Association of  
Workforce Boards

# Local Employment Dynamics in Action

*Tornados  
Bridges  
Interstate Commuting  
Hurricanes*

*April 26, 2006*

**workforce**  
*DRIVEN BY DEMAND*



**one**

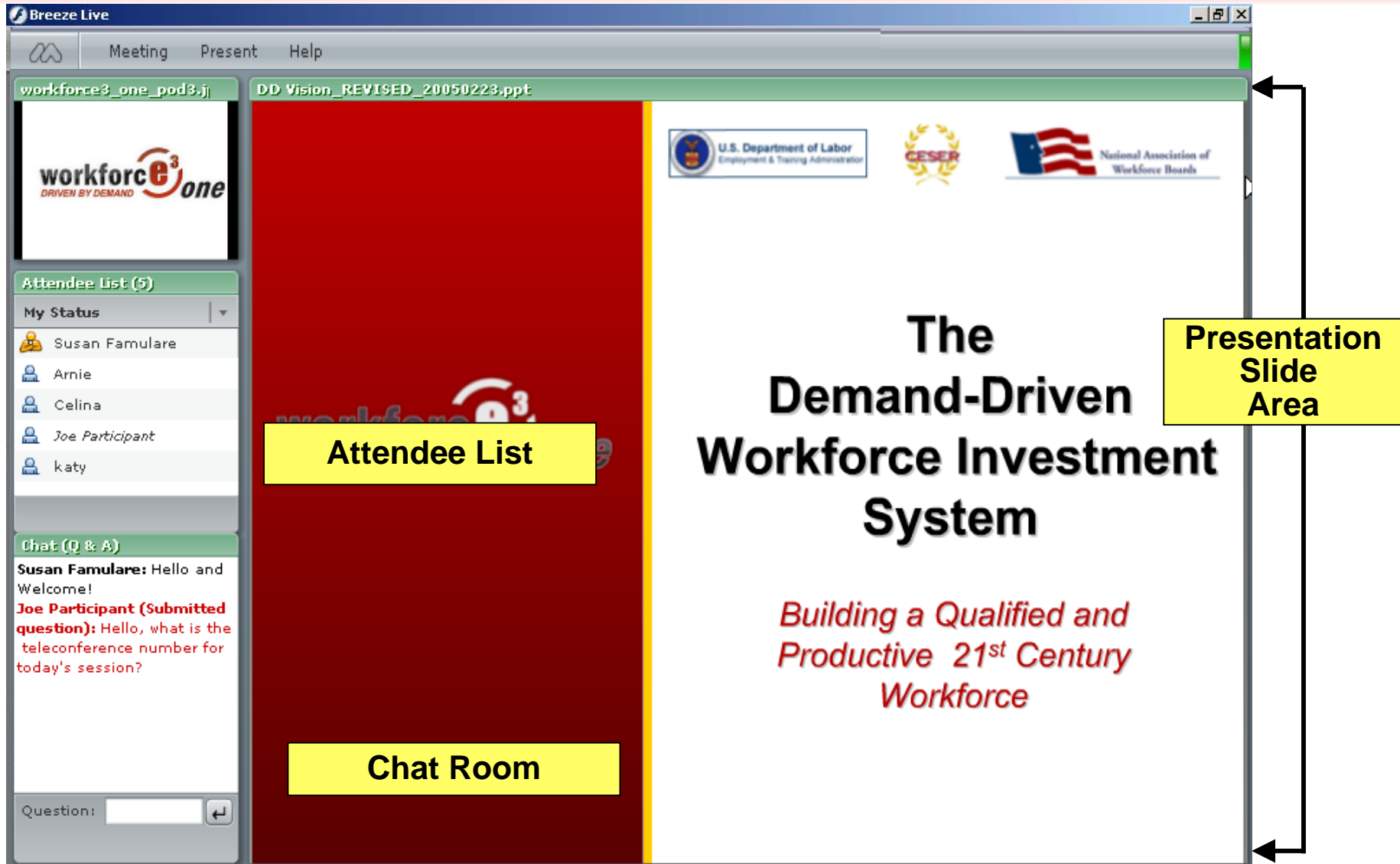
U.S. Census Bureau

Local Employment Dynamics

All About Jobs

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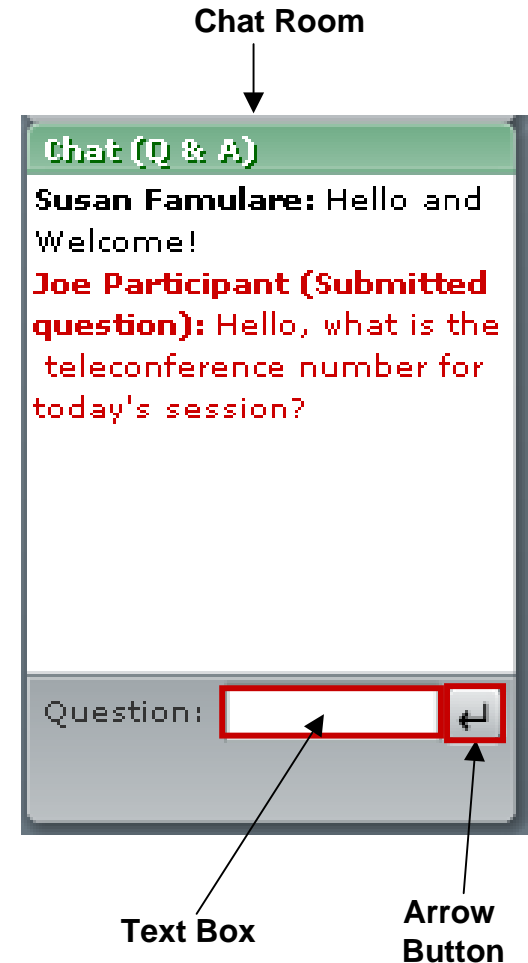
[Confidentiality and LED](#) | [State Partners](#) | [Partnership](#) | [Partners Only](#)



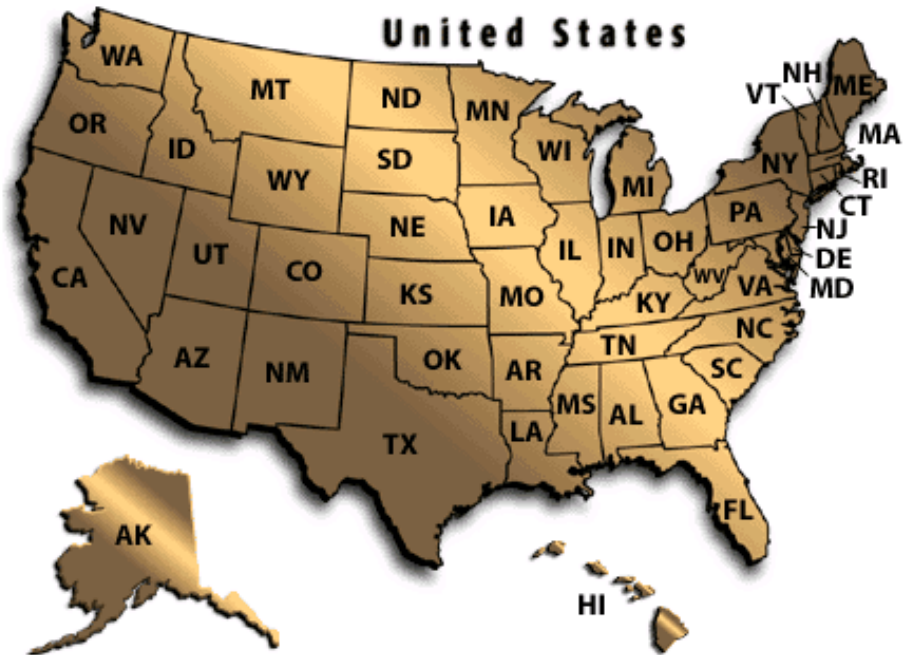
The screenshot shows a Breeze Live virtual classroom window. The interface is divided into several sections:

- Attendee List (5):** A sidebar on the left lists participants: Susan Famulare, Arnie, Celina, Joe Participant, and katy. A yellow callout box labeled "Attendee List" points to this section.
- Chat Room:** A section below the attendee list for Q & A. It shows a message from Susan Famulare: "Hello and Welcome!" and a submitted question from Joe Participant: "Hello, what is the teleconference number for today's session?". A yellow callout box labeled "Chat Room" points to this section.
- Presentation Slide Area:** The main central area displays a presentation slide titled "The Demand-Driven Workforce Investment System" with the subtitle "Building a Qualified and Productive 21<sup>st</sup> Century Workforce". The slide includes logos for the U.S. Department of Labor, CESEB, and the National Association of Workforce Boards. A yellow callout box labeled "Presentation Slide Area" points to this section.

- Enter questions into the Chat Room (located in lower left corner of the virtual classroom).
- To submit a question or comment, type the question in the **text box** and click the **arrow button**.
- Your name, the text “**(Submitted Question)**,” and your question will appear in **red** on your screen, indicating successful submission.
- Questions are directly transmitted to presenters – other participants will not see your questions.



In the chat room, please type the name of your organization, your location, and how many people are attending with you today.



- Materials and presentation slides used in this webinar will be available for download from the **Research & Information** section of the Workforce<sup>3</sup> One Webspace.
- All webinars are recorded and available for viewing after the event. Recorded webinars will be posted to the **Multimedia Information/ Self-Paced Learning** section of the Workforce<sup>3</sup> One Webspace.

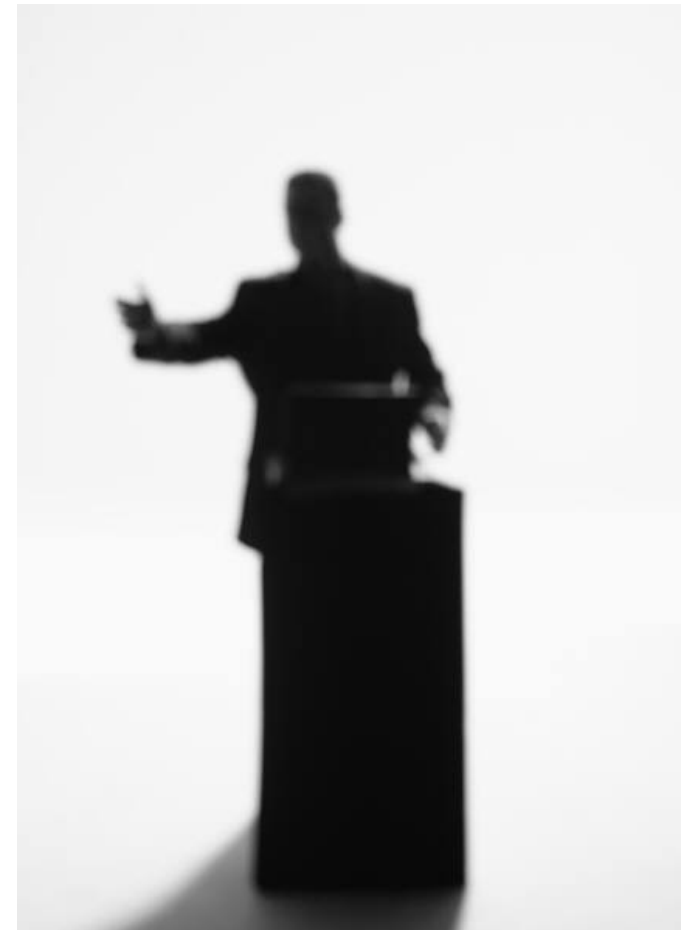


## Presenters:

- Dr. Jeremy S. Wu  
Local Employment Dynamics  
U.S. Census Bureau

## Moderator:

- Anthony Dais, Workforce  
Information Team, Division of  
Workforce System Support,  
Office of Workforce Investment





**Anthony Dais,  
Workforce Information Team,  
Division of Workforce System Support,  
Office of Workforce Investment**

**eta**

**EMPLOYMENT AND TRAINING ADMINISTRATION  
UNITED STATES DEPARTMENT OF LABOR**  
<http://www.doleta.gov>

# **Vision of the WORKFORCE INFORMATION SYSTEM for the 21st CENTURY**

**Webinar held on March 23, 2006**

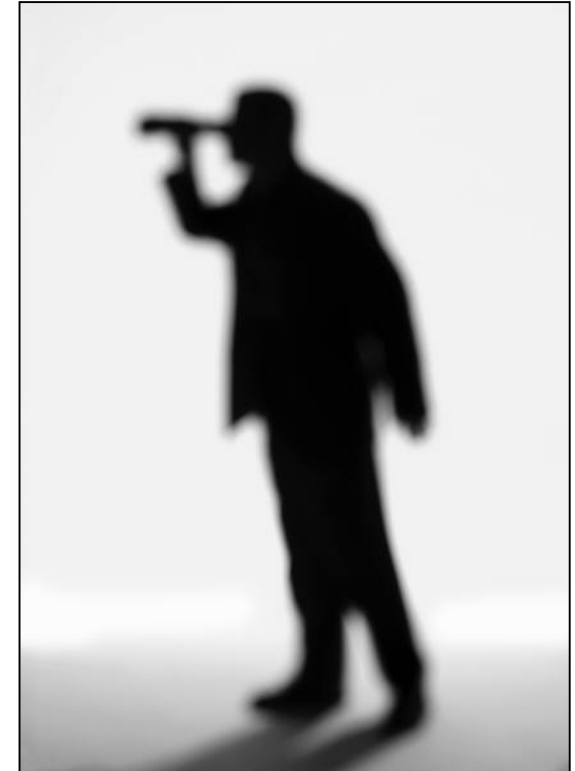
**Archived on Workforce3 One**

[http://www.workforce3one.org/content/members/  
marchive/99/index.cfm](http://www.workforce3one.org/content/members/marchive/99/index.cfm)



**Workforce Innovations in  
Regional Economic Development  
(WIRED)**

- Broad-based Strategic Partnerships to Drive Economic Growth
- Regional Economies not Tied to Political Boundaries
- Continuous Analysis of Economic Indicators
- Talent Development is a Key Pillar for Economic Competitiveness

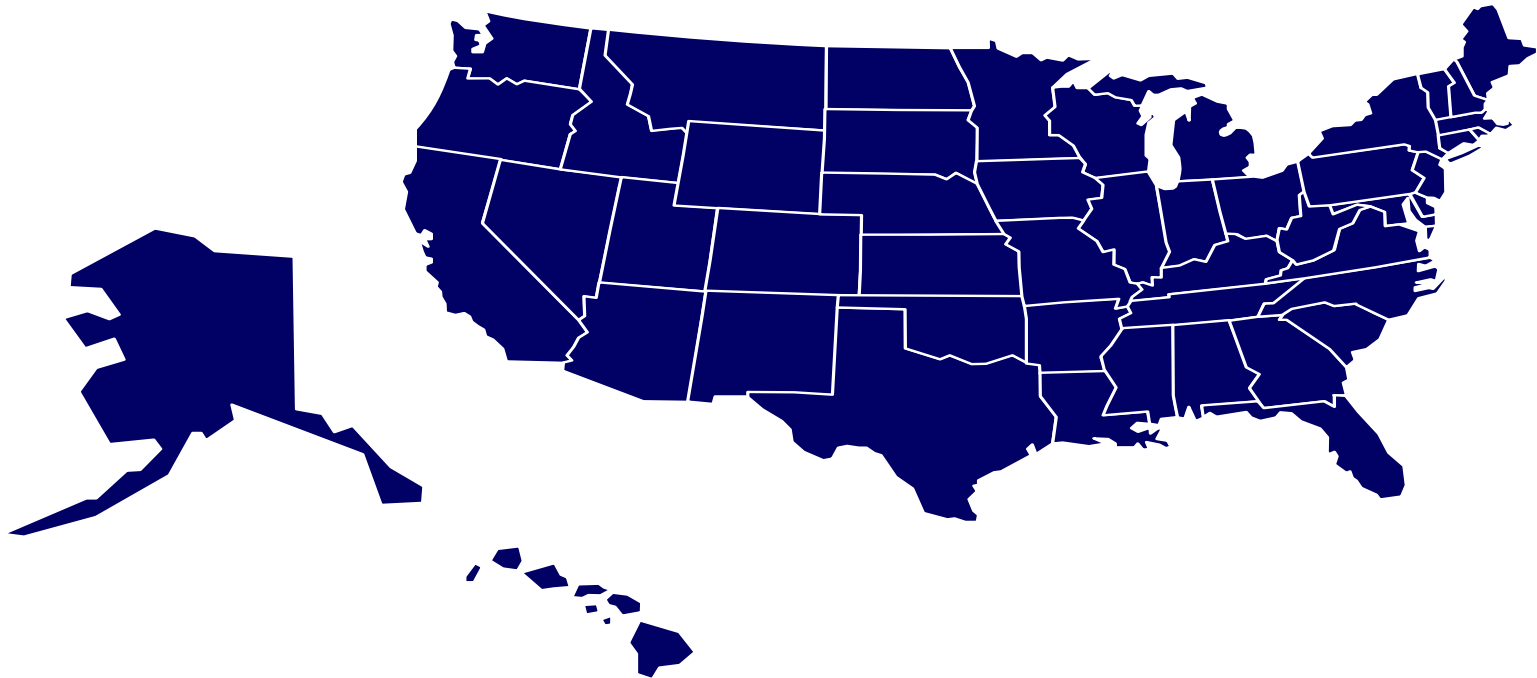


- Traditional Workforce Information
- Data collected by Economic Development Agencies, Trade & Industry Associations, Chambers of Commerce
- Other government sources: Commerce, Census, BEA, the Federal Reserve, etc.
- Site Selection Subscription Services
- Private Sector: Major Job Boards, Manpower, Economy.com, Global Insights
- Industry Cluster Data
- Transportation Infrastructure
- Education Assets
- Federal Research Investments
- Patent Data

- State and Local Political Leadership
- Workforce Investment System
- Economic Developers
- Business and Industry
- Educators
- All of the above in Strategic Partnerships
- Students, Job Seekers, Workers, and Businesses

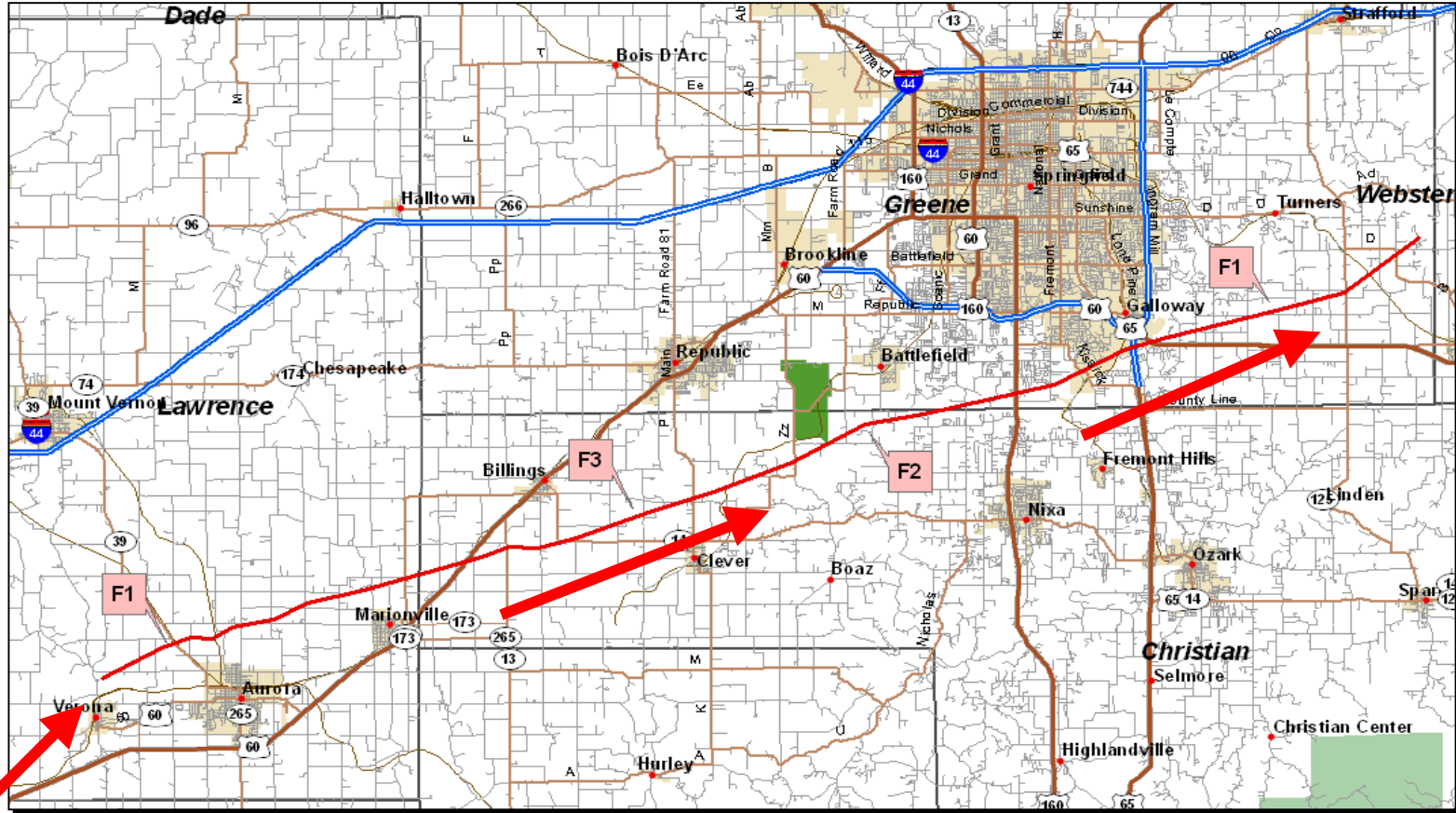
- To understand industry clusters in a global environment
- To understand the economic landscape and track trends
- To assess economic strengths and challenges
- To drive strategic economic decisions and investments
- To understand the labor pool
- To understand the evolution of occupations
- To identify current and changing skill needs
- To drive workforce and education strategies
- To inform career decisions
- To track outcomes of interventions

- Blends a wide array of data sources
- Allows for the slicing and dicing of data using lots of variables
- Utilizes thematic mapping capability
- Creates tools, applications, and products for end users
- Utilizes expert staff analysis to transform data into information
- Translates the combination of information from various sources into economic and workforce intelligence



**National employment projections:  
<http://www.bls.gov/emp>**

# Verona to Greene County, MO Tornado Path\* (shown in red) March 12, 2006

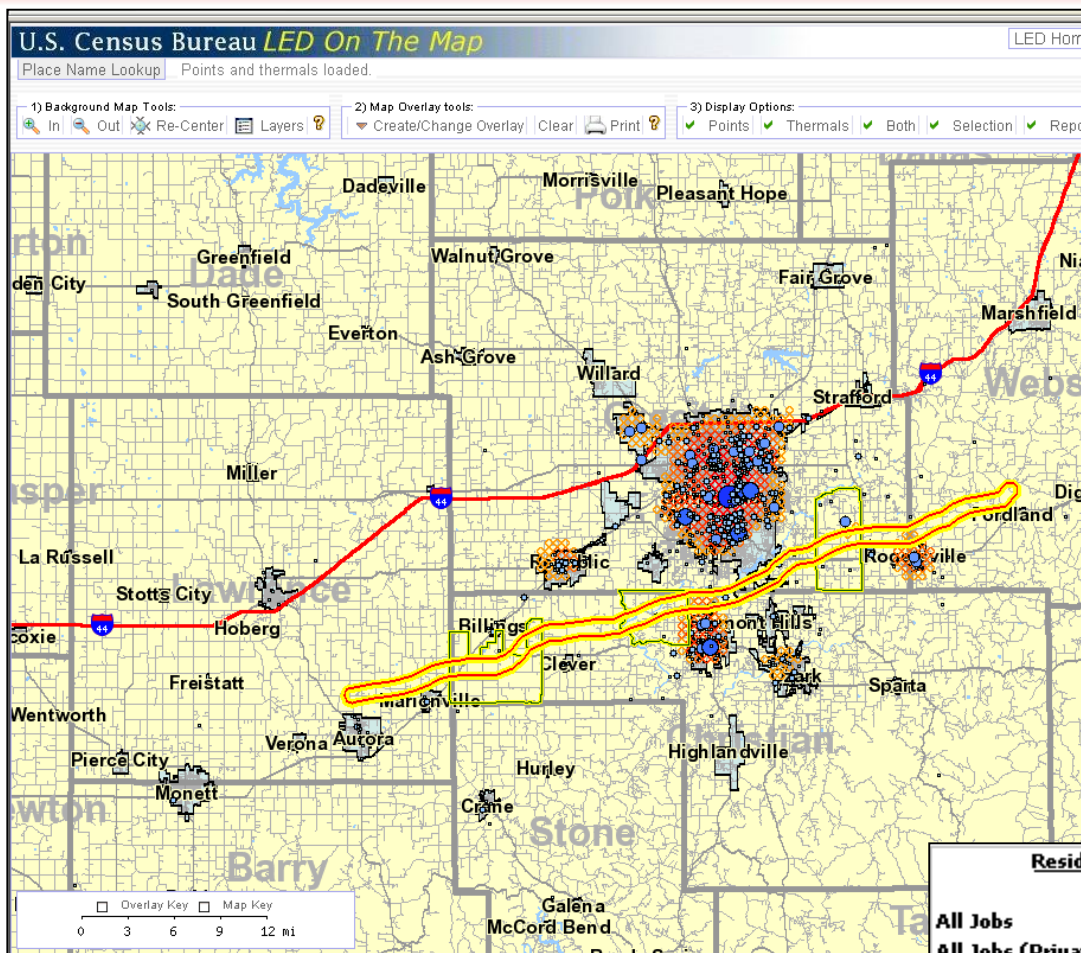


**F-Scale: F3 between Nixa and Clever**  
**Width: 1/4 to 1/2 mile**

**Path Length: ~40 miles**  
**Time: 10:08 – 11:00 P.M.**



# LED On the Map: Where People Go to Work Springfield, MO Tornado Track (March 12, 2006)



Workers by Industry Type (2-digit NAICS)		2003	
	Count	Share	
* Agriculture, Forestry, Fishing and Hunting	5	0.3%	
* Mining	1	0.1%	
* Utilities	3	0.2%	
* Construction	134	8.6%	
* Manufacturing	195	12.5%	
* Wholesale Trade	132	8.5%	
* Retail Trade	230	14.8%	
* Transportation and Warehousing	79	5.1%	
* Information	54	3.5%	
* Finance and Insurance	82	5.3%	
* Real Estate and Rental and Leasing	25	1.6%	
* Professional, Scientific, and Technical Services	70	4.5%	
* Management of Companies and Enterprises	35	2.2%	
* Administration & Support, Waste Management and Remediation	76	4.9%	
* Educational Services	13	0.8%	
* Health Care and Social Assistance	202	13%	
* Arts, Entertainment, and Recreation	23	1.5%	
* Accommodation and Food Services	124	8%	
* Other Services (excluding Public Administration)	74	4.8%	
* Public Administration	0	0%	

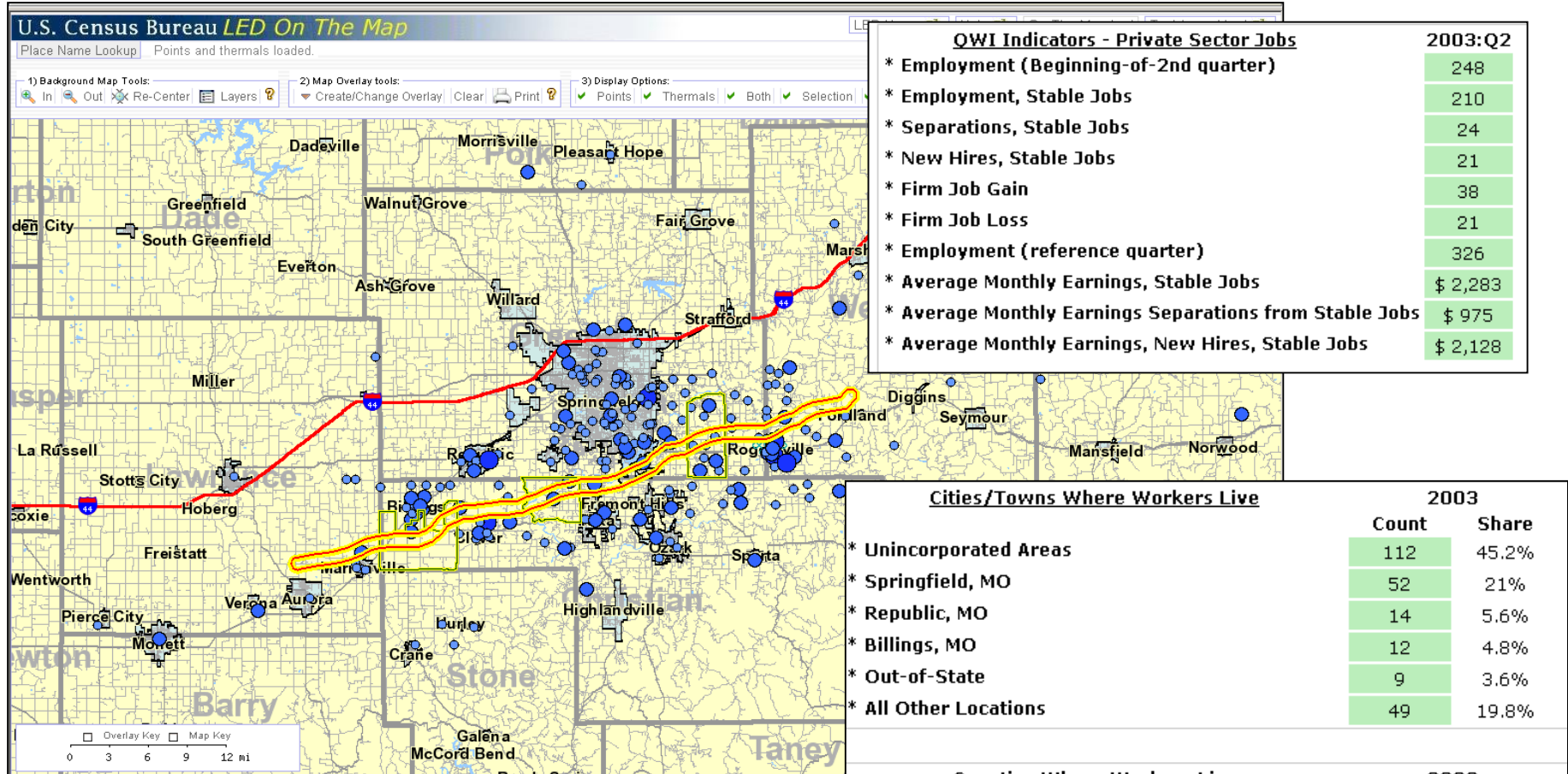
Resident Held Jobs by Category		2003	
	Count	Share	
All Jobs	1,943	100.0%	
All Jobs (Private Sector Only)	1,644	84.6%	
All Primary Jobs (Worker's highest paying job)	1,843	94.9%	
All Primary Jobs (Private Sector Only) and Baseline Count of Workers	1,557	80.1%	

Workers by Earnings Paid		2003	
	Count	Share	
\$1,200 per month or less	452	29%	
\$1,201 to \$3,400 per month	674	43.3%	
More then \$3,400 per month	431	27.7%	

Where do people who live in the path of the tornado work?

# LED On the Map: Where Workers Live

## Springfield, MO Tornado Track (March 12, 2006)



Where do workers employed at jobs located in the path of the tornado live?



Presented by  
Dr. Jeremy S. Wu  
Local Employment Dynamics  
U.S. Census Bureau  
April 2006

## LED's online dynamic mapping tool




- 15 states
- Funded in part by ETA

- Where do workers live?
- Where do people work?
- Origin-destination data structure
- Additional overlay features:
  - One-Stop Centers
  - Community Colleges
  - ZIP Codes
  - Military Installations

Place Name Lookup

ON THE MAP is a live mapping demonstration project that shows in high definition the geographic relationships between where people live and where they work. Users begin by defining custom study areas using a freehand drawing tool or by simply clicking on a standard geography (e.g. city, county, zip code areas, census area, etc.). Then, based on the selected area, maps are produced showing where workers come from that are employed in the selected area (labor shed) or where workers are employed that live in the selected area (commute shed). This application also provides access to work force profile reports and additional analysis tools.



There are fifteen LED pilots states in the Continental US in this demonstration project. The map to the left shows which states are involved.

START HERE:

Enter a State, County or City:

Or you can choose a place working from the [US Map](#)

Type in a portion of a city or county name, i.e., “Mob”

Get a list of states, counties, and cities that begin with “Mob”

Place Name Confirmation

Place Name Lookup

Enter a State, County or City:

Or you can choose a place working from the [US Map](#)

State Lookup Results

State(s):

Highlight your choice from the list and press the button to continue

County Lookup Results

County(s):

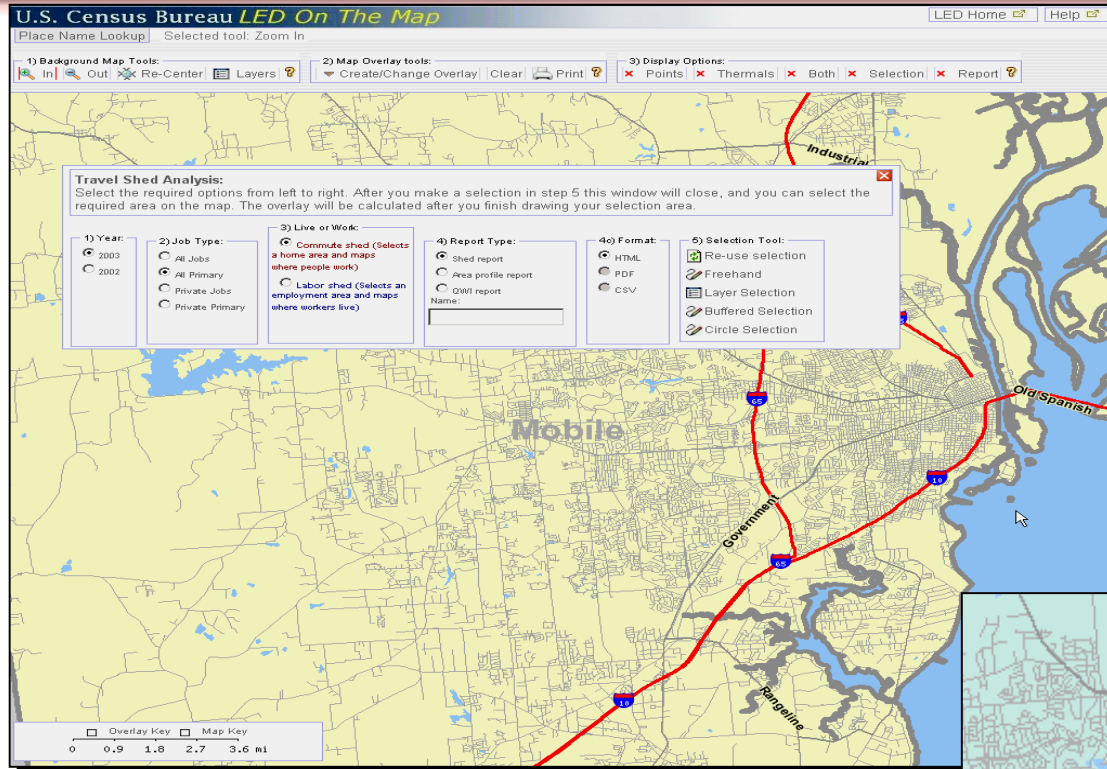
Highlight your choice from the list and press the button to continue

City Lookup Results

City(s):

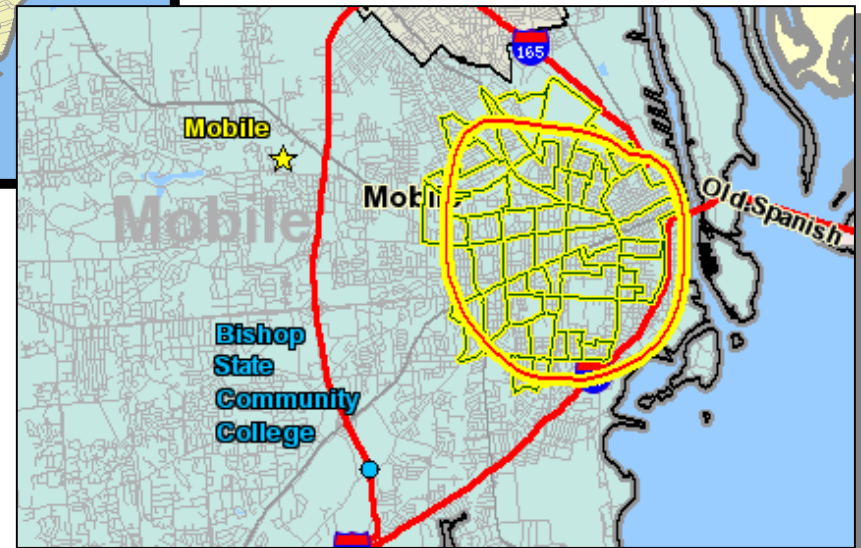
Highlight your choice from the list and press the button to continue

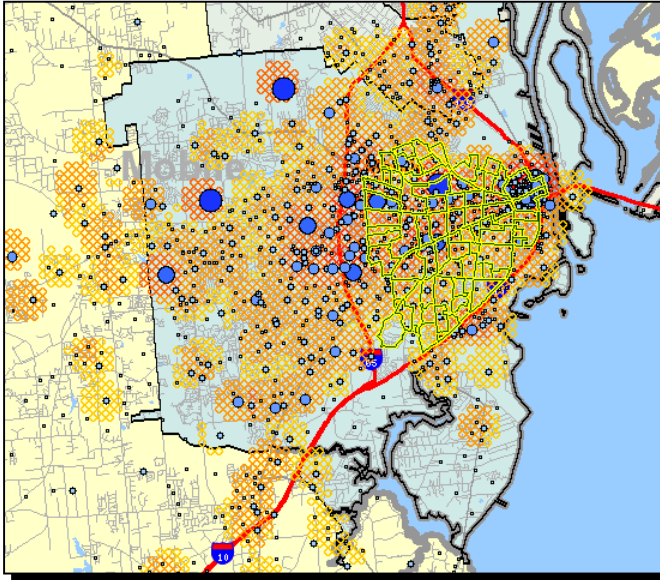




- Select options on year, job type, live or work, and report type.
- Layers can show location of One Stop or Community Colleges.
- Draw a circle around the area of interest.

- U.S. census blocks within the circle are shown





## U.S. Census Bureau *LED On The Map*

Commute Shed Report - Where Residents in the Selection Area are Employed

### Resident Held Jobs by Category

	2003		2002	
	Count	Share	Count	Share
* All Jobs	11,229	100.0%	11,707	100.0%
* All Jobs (Private Sector Only)	9,488	84.5%	10,075	86.1%
* All Primary Jobs (Worker's highest paying job)	10,359	92.3%	10,720	91.6%
* All Primary Jobs (Private Sector Only)	8,720	77.7%	9,193	78.5%

### Baseline Count of Workers

	2003		2002	
	Count	Share	Count	Share
All Primary Jobs (Private Sector Only)	8,720	100.0%	9,193	100.0%

### Cities/Towns Where Residents are Employed

	2003		2002	
	Count	Share	Count	Share
* Mobile, AL	5,753	66%	6,157	67%
* Unincorporated Areas	1,038	11.9%	1,085	11.8%
* Birmingham, AL	217	2.5%	301	3.3%
* Daphne, AL	188	2.2%	203	2.2%
* Prichard, AL	187	2.1%	238	2.6%
* All Other Locations	1,337	15.3%	1,209	13.2%

### Counties Where Residents are Employed

	2003		2002	
	Count	Share	Count	Share
* Mobile Co., AL	6,971	79.9%	7,365	80.1%
* Baldwin Co., AL	577	6.6%	592	6.4%
* Jefferson Co., AL	330	3.8%	409	4.4%
* Montgomery Co., AL	156	1.8%	177	1.9%
* Madison Co., AL	94	1.1%	89	1%
* All Other Locations	592	6.8%	552	6%

## Bridges Interstate Commuting Hurricanes

The screenshot shows the header of the U.S. Census Bureau's Local Employment Dynamics website. It features a blue and green background with a grid pattern. The text includes the U.S. Census Bureau logo, the title 'Local Employment Dynamics', and a navigation menu with links for Home, Local Employment Dynamics, Data Tools, Research, Library, and About Us. Below the navigation menu, there is a footer with the text 'Confidentiality and LED | State Partners | Partnership | Partners Only'.

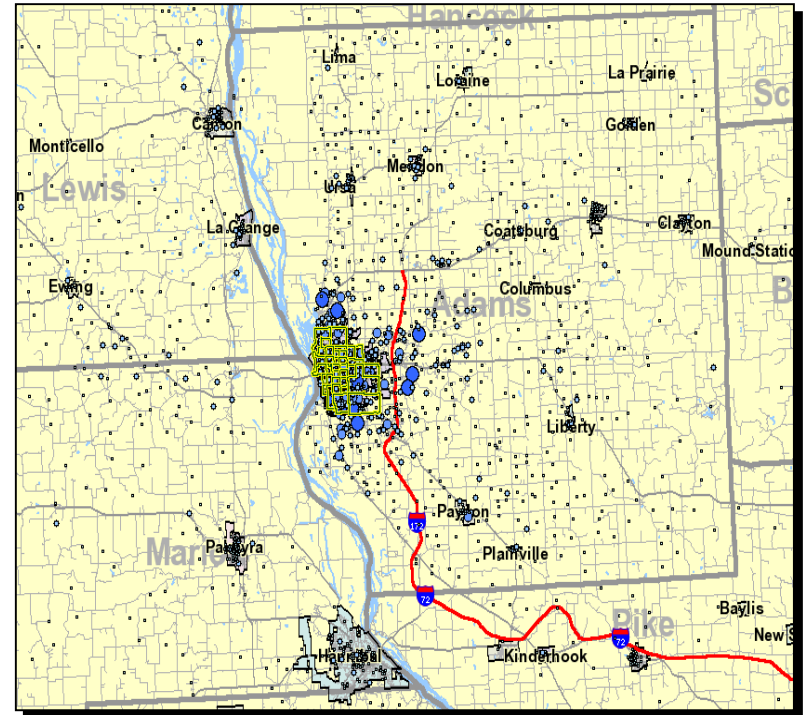
U.S. Census Bureau  
**Local Employment Dynamics** All About Jobs

[Home](#) [Local Employment Dynamics](#) [Data Tools](#) [Research](#) [Library](#) [About Us](#)

Confidentiality and LED | State Partners | Partnership | Partners Only

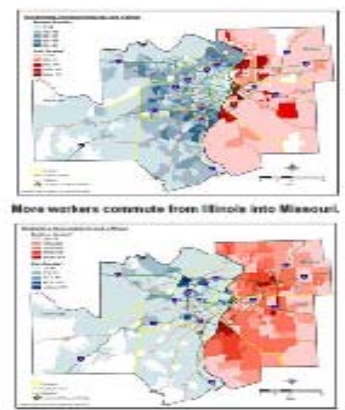
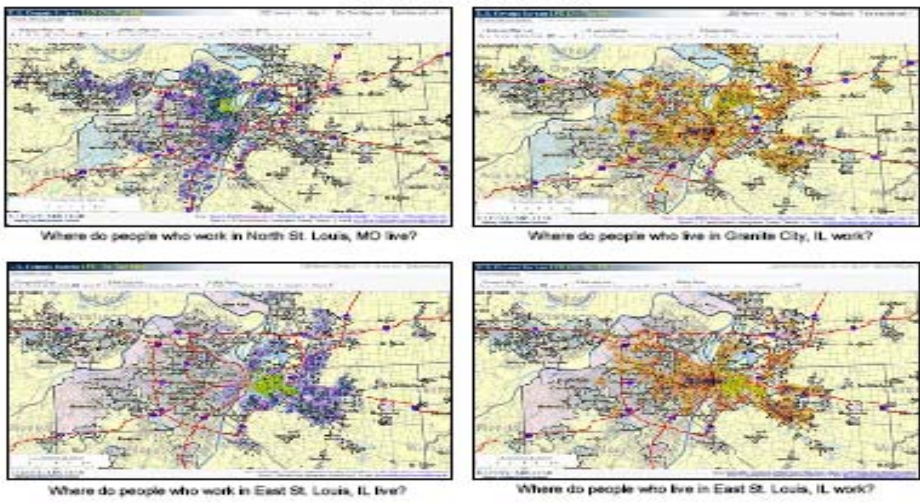


- Pinpoints local geographies
  - Flow of workers across state borders
- Maps where employees live and where residents work
  - Quincy, IL employers attract nearly 1,350 MO residents
  - MO employers attract only 240 Quincy, IL residents



## LED in Action Proposed Mississippi River Bridge Project Analysis

### Cross Border Commuting



The purple thermal coloration and blue dots represent where people who work in the study area live. The orange thermal coloration and blue dots represent where those who live in the study area work. The study areas (northern St. Louis City, MO, Granite City, IL and East St. Louis, IL in this case) are highlighted in yellow.

In these illustrations, the importance of the current bridges for residents in the northern neighborhoods of greater St. Louis is highlighted by the identification of commuters crossing from northern St. Louis to Granite City, IL, and from Granite City, IL to downtown St. Louis and numerous locations on the inner and outer beltways.

**The Current Situation and the New Mississippi River Bridge**

Presently, there is one interstate crossing the Mississippi River in downtown St. Louis; the Poplar St. Bridge. It handles traffic from interstates 55, 64, and 70. According to transportation planners, the Poplar St. Bridge is severely overburdened. The 2-mile approach from the Illinois side adds to the congestion with the convergence of three interstates. Projections show that severe traffic congestion is likely by the year 2020, without improvements to the transportation network. Rush-hour congestion could double and last up to three hours. The average delay would increase from 10 minutes per vehicle today to 55 minutes per vehicle by the year 2020.

The proposed new bridge would host Interstate 70, one of three primary east-west interstate highways in the country. The cable-stayed bridge would be designed to carry eight lanes of traffic and be located approximately one mile north of the Dr. Martin Luther King Bridge. With LED we can identify geographic concentrations of commuters both where they live and where they work, on either side of the Mississippi, aiding transportation planning within the metropolitan area.



<http://lehdmap.dsd.census.gov>





# St. Charles, MO and East Alton, IL Cross-state Commuting Patterns

## LED in Action

### A Study of Cross Border Commuting

#### The St. Charles, Missouri and East Alton, Illinois Economies

##### St. Charles, Missouri



The purple thermal coloration and blue dots represent where those who work in the study area live. The orange thermal coloration and blue dots represent where those who live in the study area work. The study area (St. Charles, Mo in this case) is highlighted in yellow.

Resident Held Jobs by Category			Area Employment by Category		
	2003			2003	
	Count	Share		Count	Share
All Jobs	29,333	100.0%	Total Employees	1,366	
All Jobs (Private Sector Only)	26,430	89.8%	All Jobs	28,345	100.0%
All Primary Jobs (Worker's highest paying job)	27,663	93.8%	All Jobs (Private Sector Only)	25,382	89.6%
All Primary Jobs (Private Sector Only) and Baseline Count of Workers	24,368	84%	All Primary Jobs (Worker's highest paying job)	26,386	92.4%
			All Primary Jobs (Private Sector Only) and Baseline Count of Jobs	23,606	82.7%
Workers by Earnings Paid			Jobs by Earnings Paid		
	2003			2003	
	Count	Share		Count	Share
\$1,200 per month or less	6,566	26.5%	\$1,200 per month or less	9,133	31.7%
\$1,201 to \$3,400 per month	10,625	42.9%	\$1,201 to \$3,400 per month	10,348	41.2%
More than \$3,400 per month	7,577	30.6%	More than \$3,400 per month	5,905	23.1%
Workers by Industry Type (2-digit NAICS)			Jobs by Industry Type (2-digit NAICS)		
	2003			2003	
	Count	Share		Count	Share
Agriculture, Forestry, Fishing and Hunting	30	0.1%	Agriculture, Forestry, Fishing and Hunting	3	0%
Mining	19	0.1%	Mining	8	0%
Utilities	90	0.4%	Utilities	7	0%
Construction	1,838	7.4%	Construction	2,357	10%
Manufacturing	2,700	10.9%	Manufacturing	2,248	8.8%
Wholesale Trade	1,609	6.5%	Wholesale Trade	1,315	5.1%
Retail Trade	3,341	14.3%	Retail Trade	3,622	14.2%
Transportation and Warehousing	1,357	5.3%	Transportation and Warehousing	962	3.8%
Information	810	3.3%	Information	522	2%
Finance and Insurance	1,296	5.2%	Finance and Insurance	592	2.3%
Real Estate and Rental and Leasing	465	1.9%	Real Estate and Rental and Leasing	326	1.3%
Professional, Scientific, and Technical Services	1,417	5.7%	Professional, Scientific, and Technical Services	1,527	6%
Management of Companies and Enterprises	1,063	4.2%	Management of Companies and Enterprises	433	1.7%
Administration and Support, Waste Management and Remediation	1,511	6.1%	Administration and Support, Waste Management and Remediation	1,252	4.9%
Educational Services	343	1.4%	Educational Services	733	2.9%
Health Care and Social Assistance	2,237	9%	Health Care and Social Assistance	2,557	10%
Arts, Entertainment, and Recreation	769	3.1%	Arts, Entertainment, and Recreation	2,070	8.1%
Accommodation and Food Services	2,364	10.4%	Accommodation and Food Services	3,343	13.1%
Other Services (excluding Public Admin.)	1,111	4.5%	Other Services (excluding Public Admin.)	1,505	5.9%
Public Administration	0	0%	Public Administration	0	0%

##### East Alton, Illinois



The purple thermal coloration and blue dots represent where those who work in the study area live. The orange thermal coloration and blue dots represent where those who live in the study area work. The study area (East Alton, Il in this case) is highlighted in yellow.

Resident Held Jobs by Category			Area Employment by Category		
	2003			2003	
	Count	Share		Count	Share
All Jobs	11,676	100.0%	Total Employees	666	
All Jobs (Private Sector Only)	10,262	87.2%	All Jobs	14,383	100.0%
All Primary Jobs (Worker's highest paying job)	10,920	93.5%	All Jobs (Private Sector Only)	13,013	88%
All Primary Jobs (Private Sector Only) and Baseline Count of Workers	9,522	81.6%	All Primary Jobs (Worker's highest paying job)	13,926	94.3%
			All Primary Jobs (Private Sector Only) and Baseline Count of Jobs	12,247	82.8%
Workers by Earnings Paid			Jobs by Earnings Paid		
	2003			2003	
	Count	Share		Count	Share
\$1,200 per month or less	3,196	33.6%	\$1,200 per month or less	4,397	33.3%
\$1,201 to \$3,400 per month	4,853	47.8%	\$1,201 to \$3,400 per month	6,020	46.3%
More than \$3,400 per month	3,777	38.6%	More than \$3,400 per month	2,397	18.4%
Workers by Industry Type (2-digit NAICS)			Jobs by Industry Type (2-digit NAICS)		
	2003			2003	
	Count	Share		Count	Share
Agriculture, Forestry, Fishing and Hunting	56	0.6%	Agriculture, Forestry, Fishing and Hunting	1	0%
Mining	45	0.5%	Mining	112	0.9%
Utilities	30	0.3%	Utilities	178	1.3%
Construction	481	5.1%	Construction	248	1.9%
Manufacturing	1,137	11.9%	Manufacturing	865	6.6%
Wholesale Trade	450	4.7%	Wholesale Trade	272	2.1%
Retail Trade	1,236	13.2%	Retail Trade	2,034	15.6%
Transportation and Warehousing	386	4.1%	Transportation and Warehousing	117	0.9%
Information	155	1.6%	Information	209	1.6%
Finance and Insurance	318	3.3%	Finance and Insurance	743	5.7%
Real Estate and Rental and Leasing	128	1.3%	Real Estate and Rental and Leasing	95	0.7%
Professional, Scientific, and Technical Services	342	3.6%	Professional, Scientific, and Technical Services	435	3.3%
Management of Companies and Enterprises	177	1.9%	Management of Companies and Enterprises	54	0.4%
Administration and Support, Waste Management and Remediation	689	7.2%	Administration and Support, Waste Management and Remediation	294	2.3%
Educational Services	152	1.6%	Educational Services	140	1.1%
Health Care and Social Assistance	2,025	21.3%	Health Care and Social Assistance	4,357	33.5%
Arts, Entertainment, and Recreation	405	4.3%	Arts, Entertainment, and Recreation	1,281	9.8%
Accommodation and Food Services	933	9.8%	Accommodation and Food Services	1,113	8.6%
Other Services (excluding Public Administration)	357	3.7%	Other Services (excluding Public Admin.)	468	3.6%
Public Administration	0	0%	Public Administration	0	0%

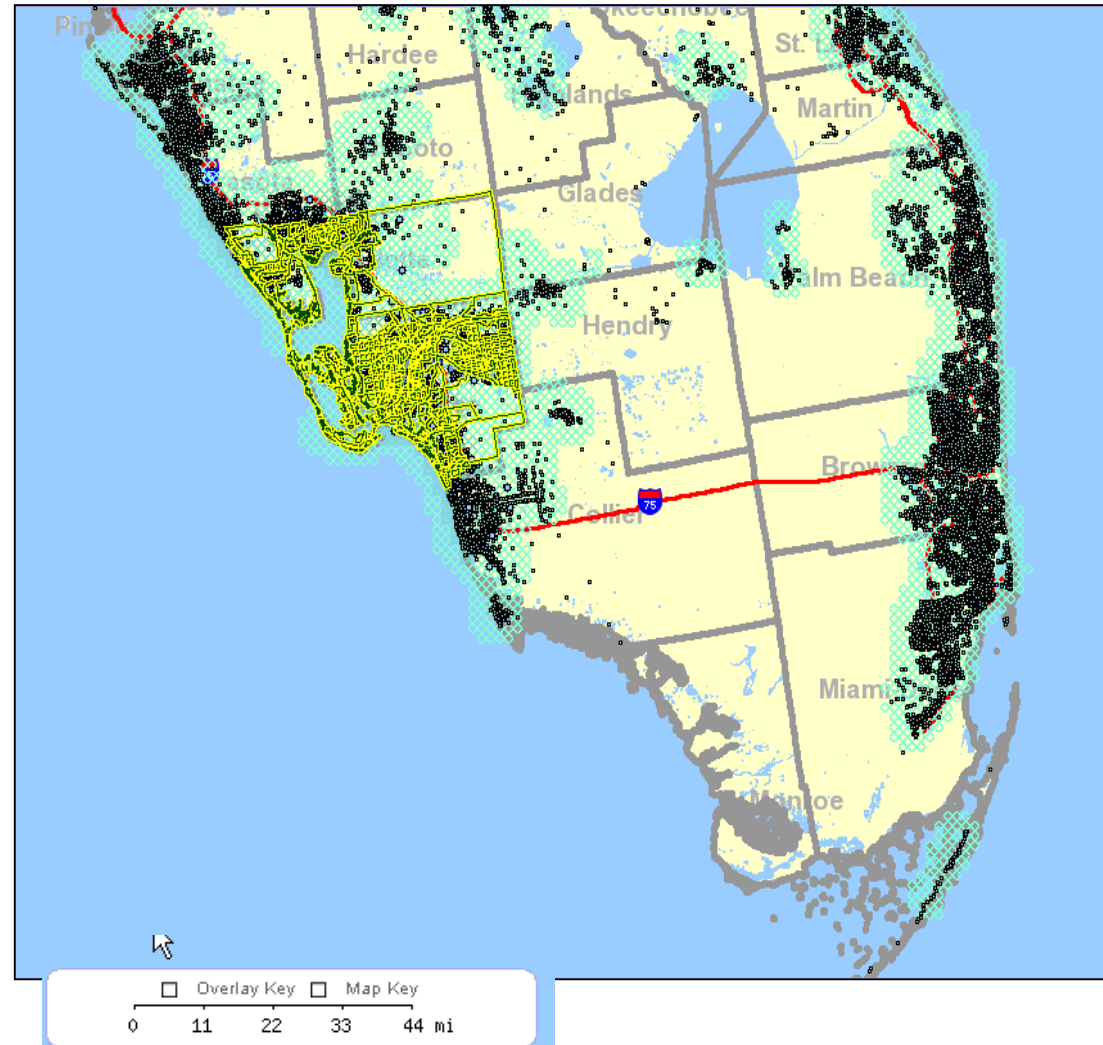
US 41 Area in US Census Bureau, LEIS Worker Origin/Destination Database (2nd Quarter 2002 and 2003)

US 41 Area in US Census Bureau, LEIS Worker Origin/Destination Database (2nd Quarter 2002 and 2003)

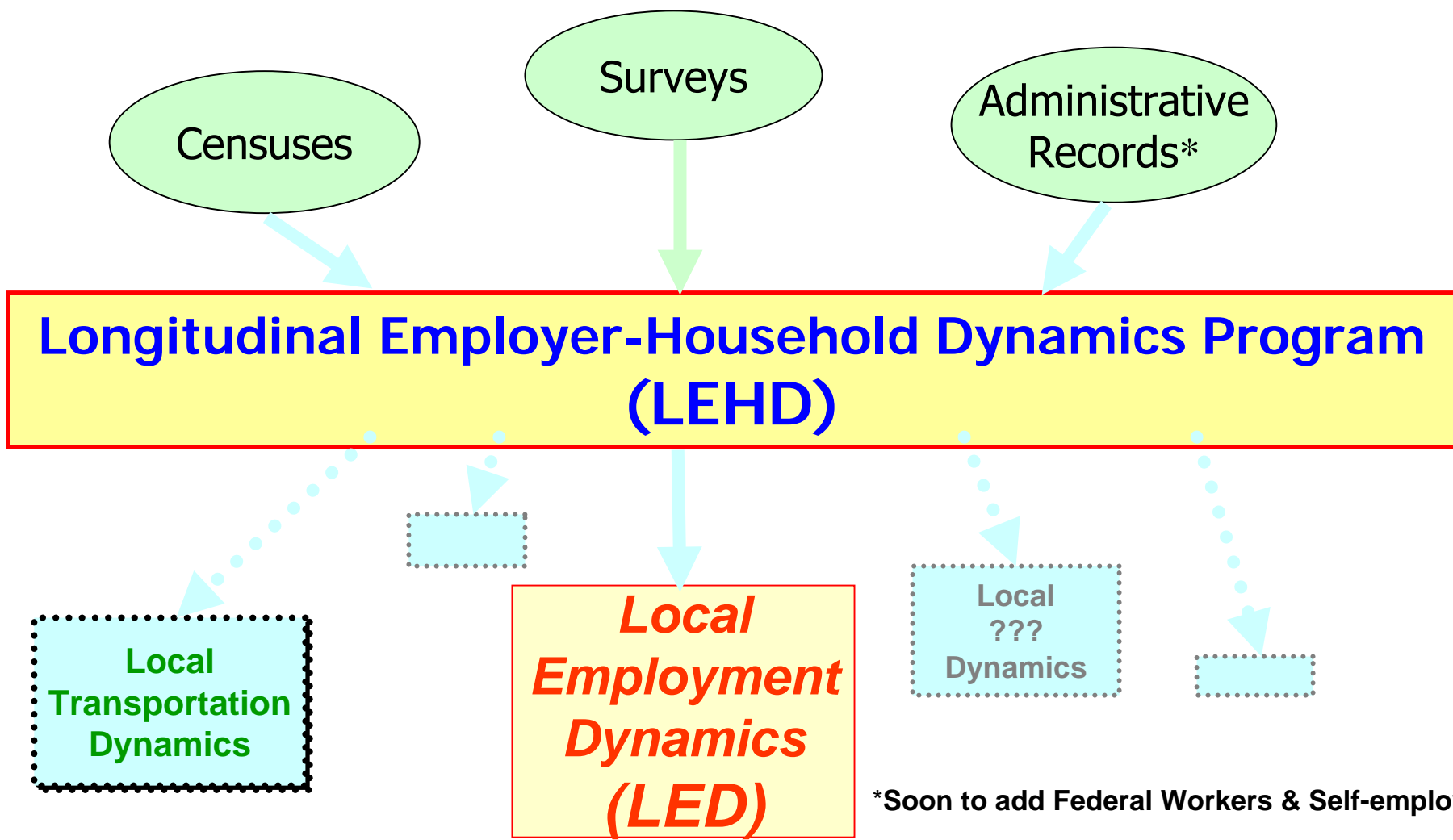
Data Source: US Census Bureau, LEIS Worker Origin/Destination Database (2nd Quarter 2002 and 2003)

Data Source: US Census Bureau, LEIS Worker Origin/Destination Database (2nd Quarter 2002 and 2003)

- About half of the people who work in Charlotte and Lee Counties live in those counties
- Almost half live elsewhere



- A voluntary partnership between state Labor Market Information (LMI) agencies and the Federal government
- States supply quarterly unemployment insurance wage records and ES-202 business establishment records
- The Census Bureau merges the records with other data to produce timely LED data
- Confidentiality is protected

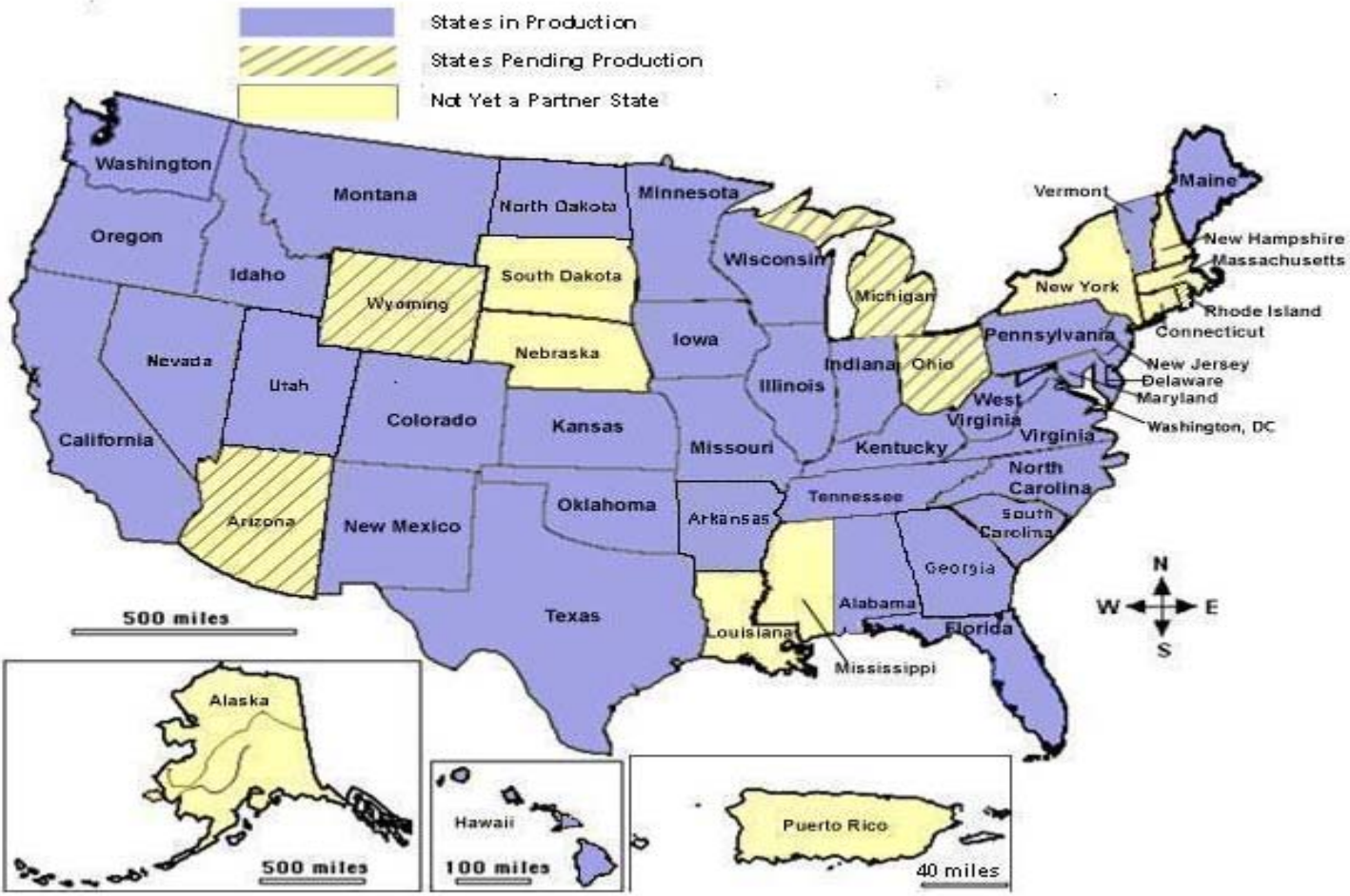


\*Soon to add Federal Workers & Self-employed

- **L**ocal
  - State, county, sub-county, workforce investment areas
- **E**mployment
  - Demographics (age and gender)
  - Industry
  - Earnings
- **D**ynamics
  - Time, quarterly (as far back as 1990)
  - Job gains, losses and flows
  - Hires, turnover and separations



# 42 LED Partner States





<http://lehd.dsd.census.gov>

## Longitudinal Employer-Household Dynamics

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QUICK LINKS	WHAT'S NEW?	Q&A
<ul style="list-style-type: none"> <li><a href="#">QWI Online</a></li> <li><a href="#">Industry Focus</a></li> <li><a href="#">Partners Only</a></li> <li><a href="#">On The Map</a></li> <li><a href="#">Workshop Presentations</a></li> <li><a href="#">e-Learning</a></li> <li><a href="#">Site Tour</a></li> <li><a href="#">Industry Focus Tour</a></li> <li><a href="#">QWI Online Tour</a></li> </ul>	<ul style="list-style-type: none"> <li>03/29/06: <a href="#">On The Map Version 1.0.1 Released</a></li> <li>03/22/06: <a href="#">Third e-Learning Module Now Available: QWI Online</a></li> <li>03/14/06: <a href="#">Second e-Learning Module Now Available: Industry Focus</a></li> <li>03/09/06: <a href="#">Nevada QWI Data on LED Website</a></li> <li>02/23/06: <a href="#">Hawaii QWI Data on LED Website</a></li> </ul> <p style="text-align: right;"><a href="#">[more...]</a></p>	<ul style="list-style-type: none"> <li><a href="#">Who Started LEHD?</a></li> <li><a href="#">What is LEHD?</a></li> <li><a href="#">What is LED?</a></li> <li><a href="#">What are the QWI?</a></li> </ul> <p style="text-align: right;"><a href="#">[more...]</a></p>
<p><b>Local Employment Dynamics</b>  <a href="#">Confidentiality and LED</a>, <a href="#">State Partners</a>,  <a href="#">Partnership</a>, <a href="#">Partners Only</a></p> <p><b>Data Tools</b>  <a href="#">QWI Online</a>, <a href="#">On the Map</a>, <a href="#">Industry Focus</a>,  <a href="#">Cornell Restricted Access Data Center</a>,  <a href="#">Case Studies and Examples</a></p> <p><b>Research</b>  <a href="#">Research Data Center</a>, <a href="#">Confidentiality Research</a>,  <a href="#">Low Wage Work</a>, <a href="#">Human Capital &amp; Productivity</a>,  <a href="#">Transportation</a>, <a href="#">Aging &amp; Pension Benefits</a></p>	<p><b>Library</b>  <a href="#">Profiles</a>, <a href="#">Workshops</a>, <a href="#">Training</a>,  <a href="#">Technical User Guides</a>, <a href="#">Technical Papers</a>,  <a href="#">Presentations</a>, <a href="#">Newsletters</a>, <a href="#">Archives</a></p> <p><b>About Us</b>  <a href="#">Mission</a>, <a href="#">FAQs</a>, <a href="#">Staff</a>, <a href="#">Contact</a>, <a href="#">Directions</a></p>	<h3 style="text-align: center; margin: 0;">DID YOU KNOW?</h3> <p style="margin: 10px 0;">...that of the industries in <b>Colorado</b> that employed more than 1,500 workers <b>65 years and older</b> in 2002, the highest paying was engineering, accounting, and research (\$3,528 a month)?</p>

- **Three Analytic Tools:**
  - \* QWI Online
  - \* Industry Focus
  - \* On the Map
- **Information For State Partners Only**
  - Standard Operating Procedures, beta applications, restricted data, processing status
- **Helpful Information**
  - Workshop Presentations
  - \* e-Learning Modules

- **29 indicators on**
  - Employment
  - Earnings
  - Job creation and destruction
  - Turnover
  
- **Analyzed by**
  - Geography, industry, gender, age, and time

LEHD Maryland County Reports - Quarterly Workforce Indicators

Select Criteria below. A new report will be created below as selections change.

Year: 2004    Geographic Grouping: County    or    Information by Detailed Industry

Quarter: Q1    County: 001 Allegany

Sex: Male and Female    Industry: All NAICS Sectors

AgeGroup: 14-99    Ownership: All (1-5)

[Download Dataset](#)    [Print Table](#)

QWI Quick Facts	Allegany (Q1)	Allegany (Avg: Selected + 3 Prior qtrs)	Maryland (Q1)	Maryland (Avg: Selected + 3 Prior qtrs)
Total Employment	29,444	28,767	2,275,366	2,298,274
Net Job Flows	-211	377	72,126	41,250
Job Creation	1,618	1,903	199,923	183,344
New Hires	3,804	4,308	365,713	409,267
Separations	4,722	5,163	417,180	487,492
Turnover	8.9%	10.9%	10.6%	11.3%
Avg Monthly Earnings	\$2,433.00	\$2,481.25	\$3,429.00	\$3,418.25
Avg New Hire Earnings	\$1,516.00	\$1,968.75	\$2,296.00	\$2,385.00

- Eight selected measures, updated quarterly
- Counties, Workforce Investment Areas, and metro areas

**QWI Online [NAICS]**

Select a state from this list or use the map below to access NAICS-based

Maryland

- Kansas
- Kentucky
- Maine
- Maryland**
- Minnesota
- Missouri
- Montana
- New Jersey
- New Mexico
- Oklahoma
- Oregon

**LEHD Maryland County Reports - Quarterly Workforce Indicators**

Select Criteria below. A new report will be created below as selections change.

Year:  Geographic Grouping:  [or Information by Detailed Industry](#)

Quarter:  County:

Sex:  Industry:

AgeGroup:  Ownership:

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- 2-, 3-, & 4-digit NAICS industries
- Shows change over time

# Key Features of Industry Focus

Ranking and multiple indicator selection

Industry Focus: Selecting Top Industries

List the top  industries ranked by the greatest:

Ranking Indicator (Select One)	Include in report (Select One or More)	
<input checked="" type="radio"/>	<input checked="" type="checkbox"/>	Employment ⓘ
<input type="radio"/>	<input type="checkbox"/>	Growth in Employment ⓘ
<input type="radio"/>	<input type="checkbox"/>	Growth in hiring ⓘ
<input type="radio"/>	<input type="checkbox"/>	Number of new hires ⓘ
<input type="radio"/>	<input type="checkbox"/>	Firm Job Change ⓘ
<input type="radio"/>	<input type="checkbox"/>	Average monthly earnings for all workers ⓘ
<input type="radio"/>	<input type="checkbox"/>	Growth in average monthly earnings for all workers ⓘ
<input type="radio"/>	<input type="checkbox"/>	Average monthly earnings for new hires ⓘ

Age and Sex: Age  sex

Geography: State

Entity:  Statewide  WIA  County  Metro Area

Select Industry Level:  Industry Sector  Industries

Industry Sector:

[Email Comments/Problems](#)

Source: U.S. Census Bureau, Local Employment Dynamics

U.S. CENSUS BUREAU

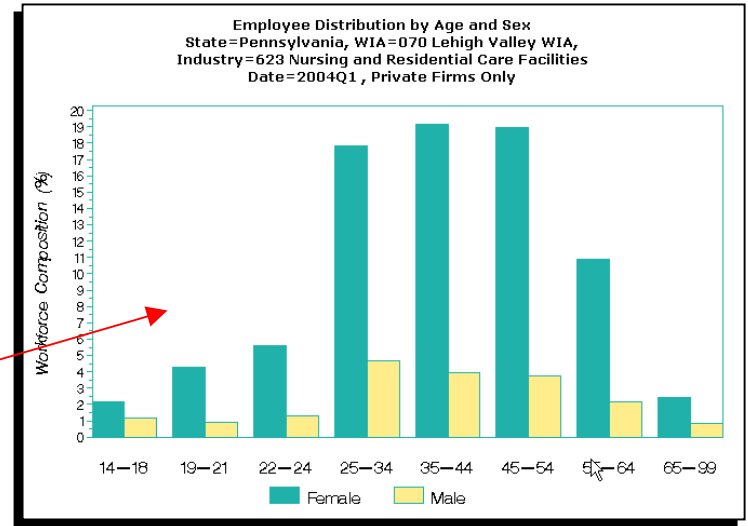
State, county, Workforce Investment Areas (WIA), metro areas

us: Top Industries Results (click on Industry link to see workforce information)

Top 27 industries ranked on the greatest average monthly earnings for new hires  
State=Pennsylvania, WIA=070 Lehigh Valley WIA, Sex=Female, Age=35-44  
Private Firms Only  
(Report for Industry: 623 Nursing and Residential Care Facilities)

Rank	Industry	New Hire Earnings (\$) (2003Q3,2003Q4, 2004Q1,2004Q2)	Average Quarterly Employment (2003Q3,2003Q4, 2004Q1,2004Q2)	Average Quarterly Job Change (2003Q3,2003Q4, 2004Q1,2004Q2)
	All NAICS subsectors	\$2,064	28,693	700
1	<a href="#">221 Utilities</a>	\$4,799	216	3
2	<a href="#">517 Telecommunications</a>	\$4,441	115	14
3	<a href="#">325 Chemical Manufacturing</a>	\$4,274	765	4
4	<a href="#">511 Publishing Industries (except Internet)</a>	\$3,527	377	-1
5	<a href="#">335 Electrical Equipment, Appliance, and Component Manufacturing</a>	\$3,283	133	1
6	<a href="#">334 Computer and Electronic Product Manufacturing</a>	\$3,277	129	18
7	<a href="#">551 Management of Companies and Enterprises</a>	\$2,975	423	36
8	<a href="#">339 Miscellaneous Manufacturing</a>	\$2,965	626	-5
9	<a href="#">423 Merchant Wholesalers, Durable Goods</a>	\$2,896	346	2
10	<a href="#">622 Hospitals</a>	\$2,758	3,006	19
11	<a href="#">522 Credit Intermediation and Related Activities</a>	\$2,682	779	32
12	<a href="#">425 Wholesale Electronic Markets and Agents and Brokers</a>	\$2,643	176	4
13	<a href="#">333 Machinery Manufacturing</a>	\$2,615	131	5
14	<a href="#">524 Insurance, Carriers, and Related Activities</a>	\$2,584	1,672	-71
15	<a href="#">484 Truck Transportation</a>	\$2,509	95	0
16	<a href="#">236 Construction of Buildings</a>	\$2,413	149	12
17	<a href="#">515 Broadcasting (except Internet)</a>	\$2,405	160	1
18	<a href="#">621 Ambulatory Health Care Services</a>	\$2,315	2,828	188
19	<a href="#">493 Warehousing and Storage</a>	\$2,248	316	35
20	<a href="#">311 Food Manufacturing</a>	\$2,173	290	18
21	<a href="#">441 Motor Vehicle and Parts Dealers</a>	\$2,170	182	4
22	<a href="#">332 Fabricated Metal Product Manufacturing</a>	\$2,134	130	2
23	<a href="#">541 Professional, Scientific, and Technical Services</a>	\$2,112	1,259	69
24	<a href="#">200 Wholesale Trade Contractors</a>	\$1,955	263	1
25	<a href="#">446 Health and Personal Care Stores</a>	\$1,925	339	4
26	<a href="#">323 Printing and Related Support Activities</a>	\$1,913	198	8
27	<a href="#">623 Nursing and Residential Care Facilities</a>	\$1,895	1,737	68

Click on industry to see workforce characteristics



- ...easy, intuitive selection criteria and economic indicators for your geography, workforce, and industry.

	14-18	19-21	22-24	25-34	35-44	45-54	55-64	65-99
Female	2.1%	4.38%	5.62%	17.66%	18.83%	19.11%	10.94%	2.44%
Male	1.12%	1.11%	1.35%	4.53%	3.9%	3.83%	2.3%	0.75%



*U.S. Census Bureau's  
Local Employment Dynamics (LED)  
Site Tour*

## Overview of The LED Program and LED Analytic Tools

Powered by  
**Dynamic Works**  
Institute

The screenshot shows a video player interface with a blue and yellow border. At the top right, the text 'U.S. Census Bureau's Local Employment Dynamics (LED) Site Tour' is displayed in yellow. The main content area features the title 'Overview of The LED Program and LED Analytic Tools' in large, bold, dark blue font. Below the title is a horizontal banner with a colorful, abstract background of green and blue squares and circles. In the bottom left corner of the video frame, the 'Dynamic Works Institute' logo is visible. The bottom right corner contains a standard video control panel with icons for play/pause, previous, next, volume, and full screen. A mouse cursor is visible over the right side of the video frame.

**LED Program Manager**  
[Jeremy.S.Wu@census.gov](mailto:Jeremy.S.Wu@census.gov)

**Comments/Suggestions**  
[dsd.local.employment.dynamics@census.gov](mailto:dsd.local.employment.dynamics@census.gov)

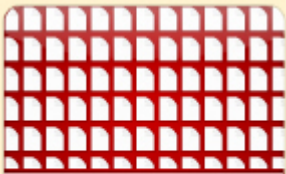




**Please enter your questions into the Chat Room!**

Would you like to contribute your content to our growing community database?

Share Content  
Click Here




Share Content  
Click Here

Click **here** to find out how!

Share Content  
Click Here

## Share Content

Would you like to contribute your content database?



Workforce<sup>3</sup> One is a tool created by YOU and for YOU – the success of critical contributions made by Community Members. Share your successes more with others! We welcome suggestions for **documents to share**, any **relevant news** or information that you would care to share with your system colleagues.

**Frequently Asked Questions :**

1. What are acceptable items to share for posting to the Workforce 3 One site?
2. What type of documents can I share with the community?
3. What is the maximum file size permitted for submission?
4. What happens during the document approval process?

**What type of content would you like to share?**

Web Address  Document

Title :

\*Please enter the title as you would like it to appear on the Workforce<sup>3</sup> One Integrated WebSpace.

Url :

If you are submitting a website, please type the address of that site in the URL field.

You can also e-mail us your ideas! [Click here](#)

Support | Contact Us | Disclaimers | Privacy Agreement | Registration Notice  
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Simply log on to **Workforce<sup>3</sup> One** and look for the **“Share Content”** icon in red located on the left side of your screen.

Share your demand-driven strategic plans, models, innovations, resources, and ideas!

**Submit your content to Workforce<sup>3</sup> One at:**  
**<http://www.workforce3one.org/members/sections/suggest/>**

- Materials and presentation slides used in this webinar will be available for download from the **Research & Information** section of the Workforce<sup>3</sup> One Webospace.
- All webinars are recorded and available for viewing after the event. Recorded webinars will be posted to the **Multimedia Information/ Self-Paced Learning** section of the Workforce<sup>3</sup> One Webospace.



## Workforce<sup>3</sup> One:

- Communities of practice
- Live web-based events
- Register for updates!



## For more information about working with the public workforce system:

- Visit [www.careerinfonet.org](http://www.careerinfonet.org)
- Call 1-877-US2-JOBS



Workforce Innovations is the premier annual conference for local, state, and national leaders and their partners from industry, education, and economic development.

### **Conference Highlights Include:**

- Tools and strategies to support you in regional economic development efforts, whether your community is just starting this process or is well underway.
- Thought-provoking presentations by PBS Host/Writer/Producer, James Burke, and President and CEO of the U.S Chamber of Commerce, Thomas J Donohue.

**For full conference information and to register, visit**  
**[www.WorkforceInnovations.org](http://www.WorkforceInnovations.org)**



U.S. Department of Labor  
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National Association of  
Workforce Boards

**Thanks!**

[www.workforce3one.org](http://www.workforce3one.org)