

QWI Production

Annual LED Partnership Workshop

Suitland, MD

March 7, 2008

Walter Kydd

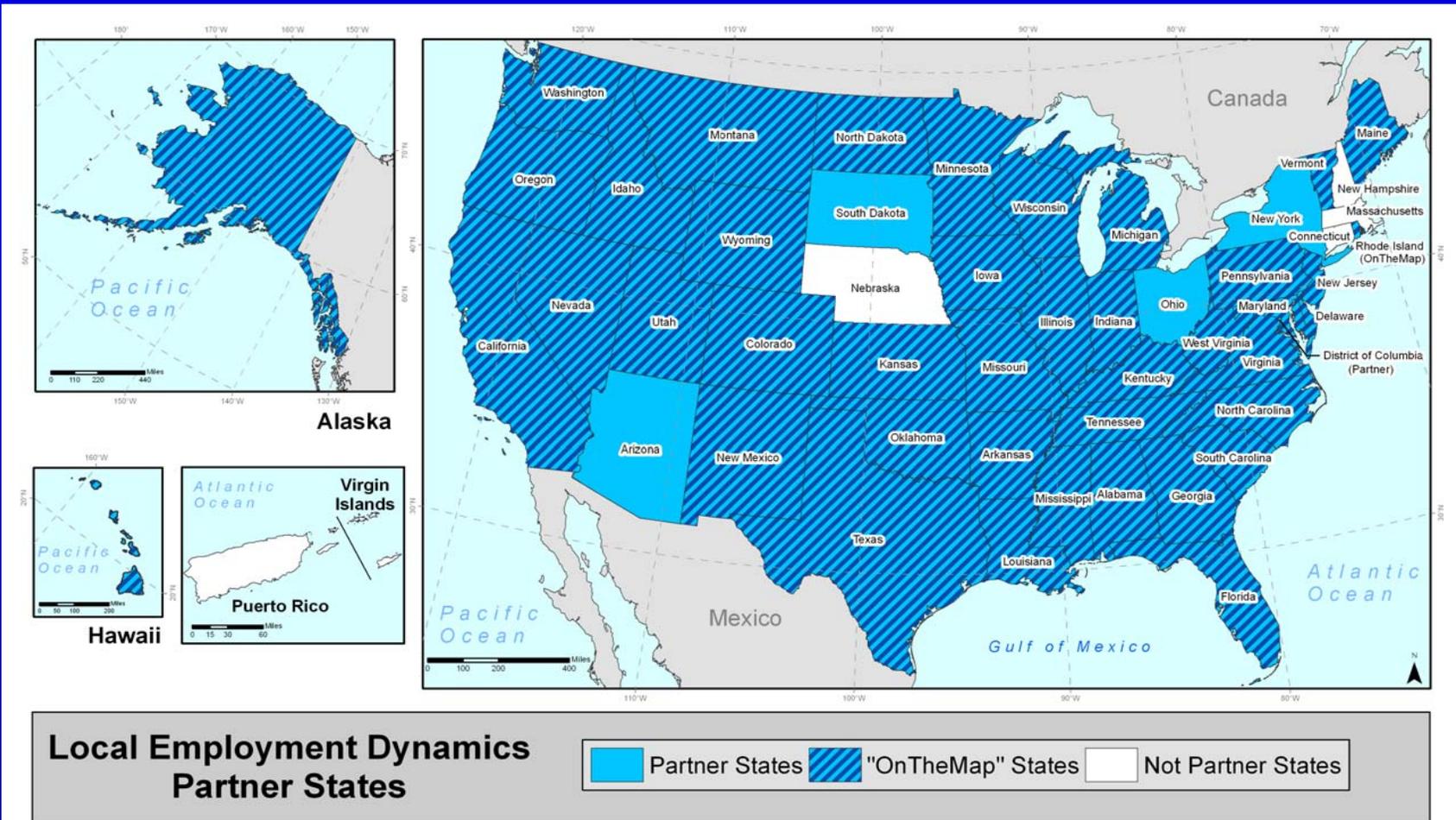
Jeremy Wu

U.S. Census Bureau

Update Topics

- LED Partnership
- QWI Production
- Performance Measures
- Production System
- Emerging Data Infrastructure
- The Production and QA Teams

LED Partner States



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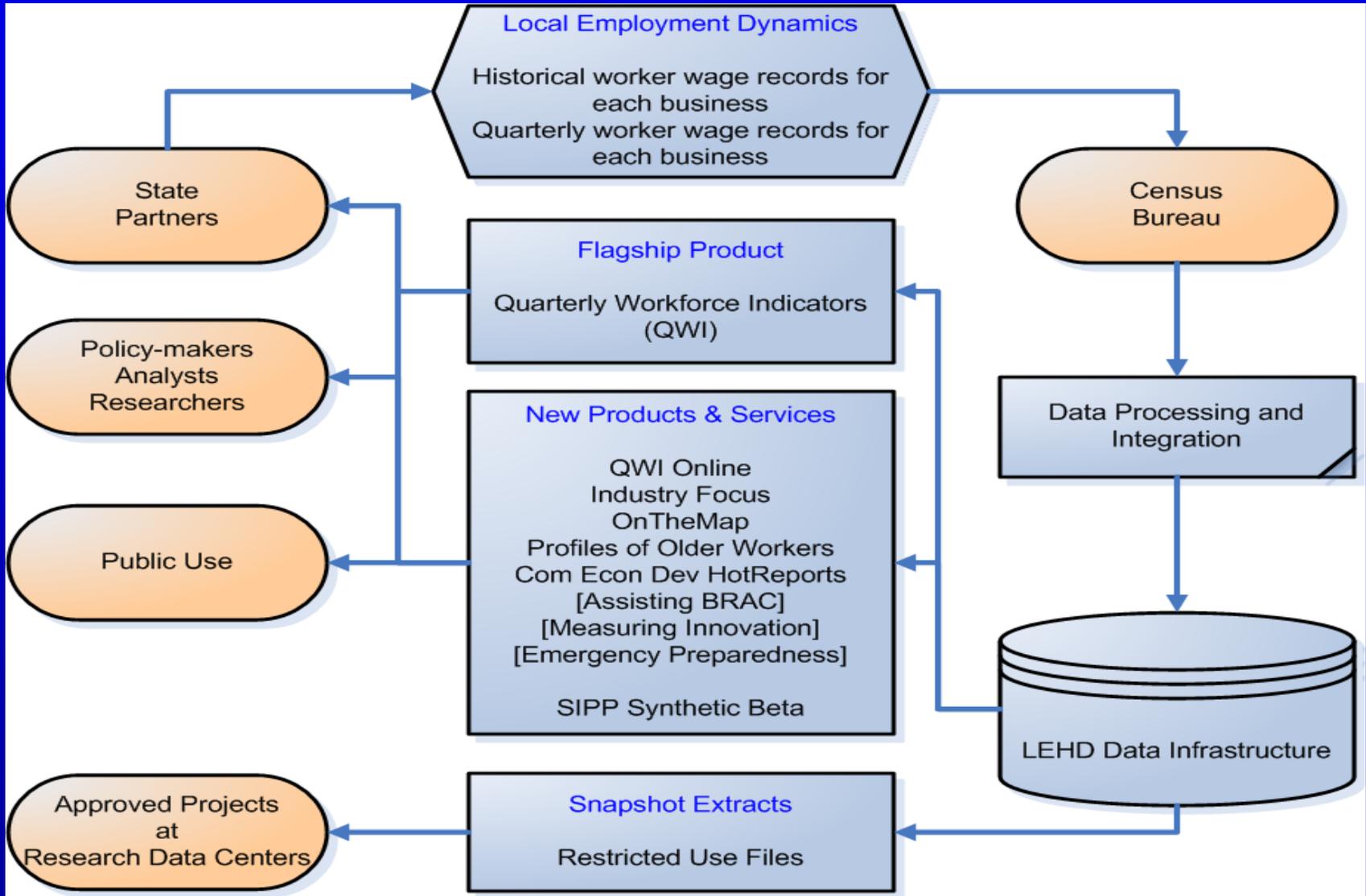
February 25, 2008

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LED Partnership Status

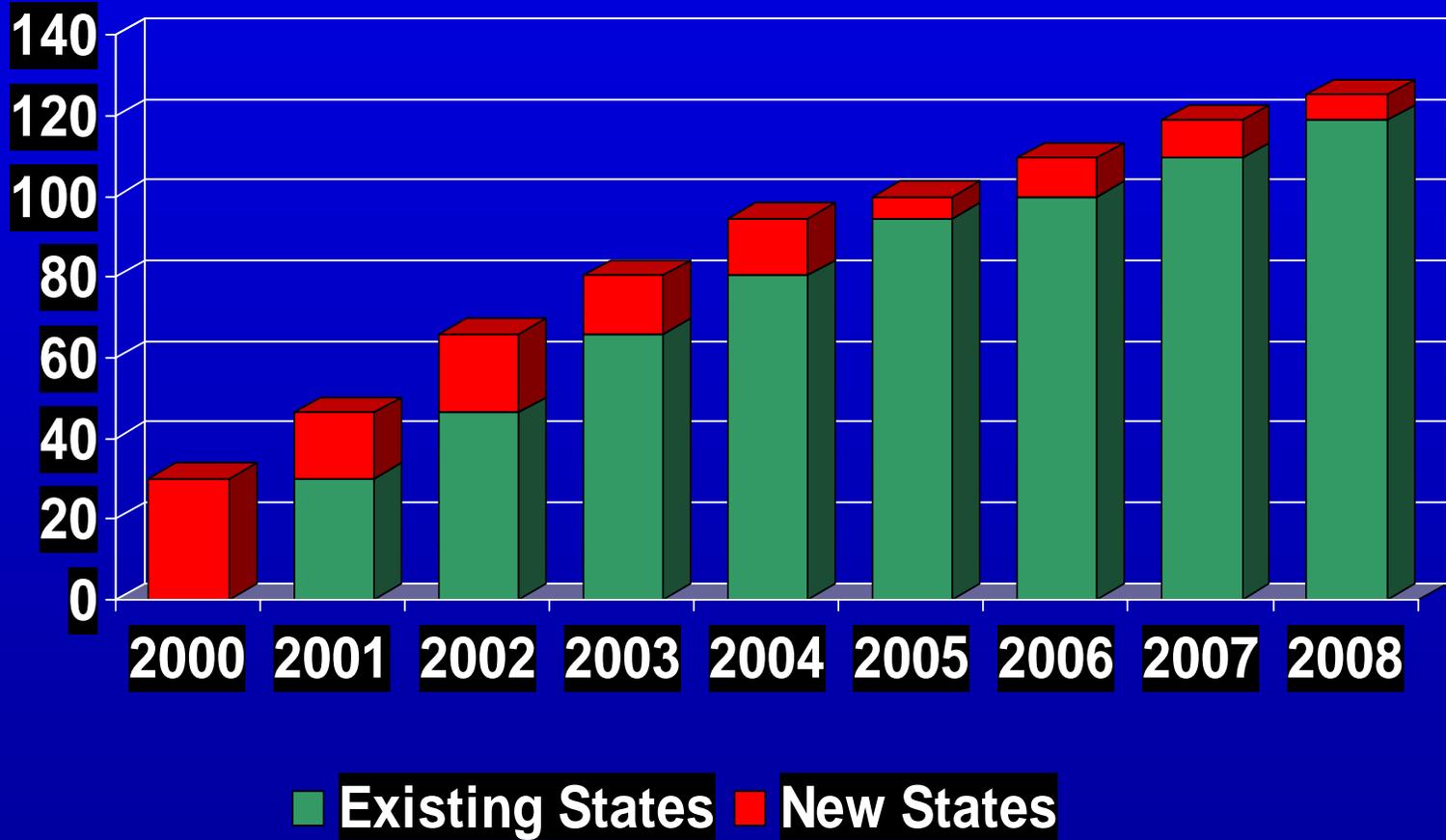
Partners, including DC	47
Non-Partners	
In process of joining – CT, NE, VI	3
Legislative change pending – NH	1
Not yet partners - MA, PR	2
Total	53

The Operational Model



Growth of QWI Employment Coverage

Millions



Two Types of QWI Production

Experimental Production

- After a state joins LED
- Processes historical files via standard procedures
- Waives requirements on time
- State concurrence before Regular Production and public release

Regular Production

- Begins quarterly time requirements on file delivery and QWI production
- Posts QWI results regularly on website for public use

QWI Production Status

Experimental (3)

District of Columbia

New York

South Dakota

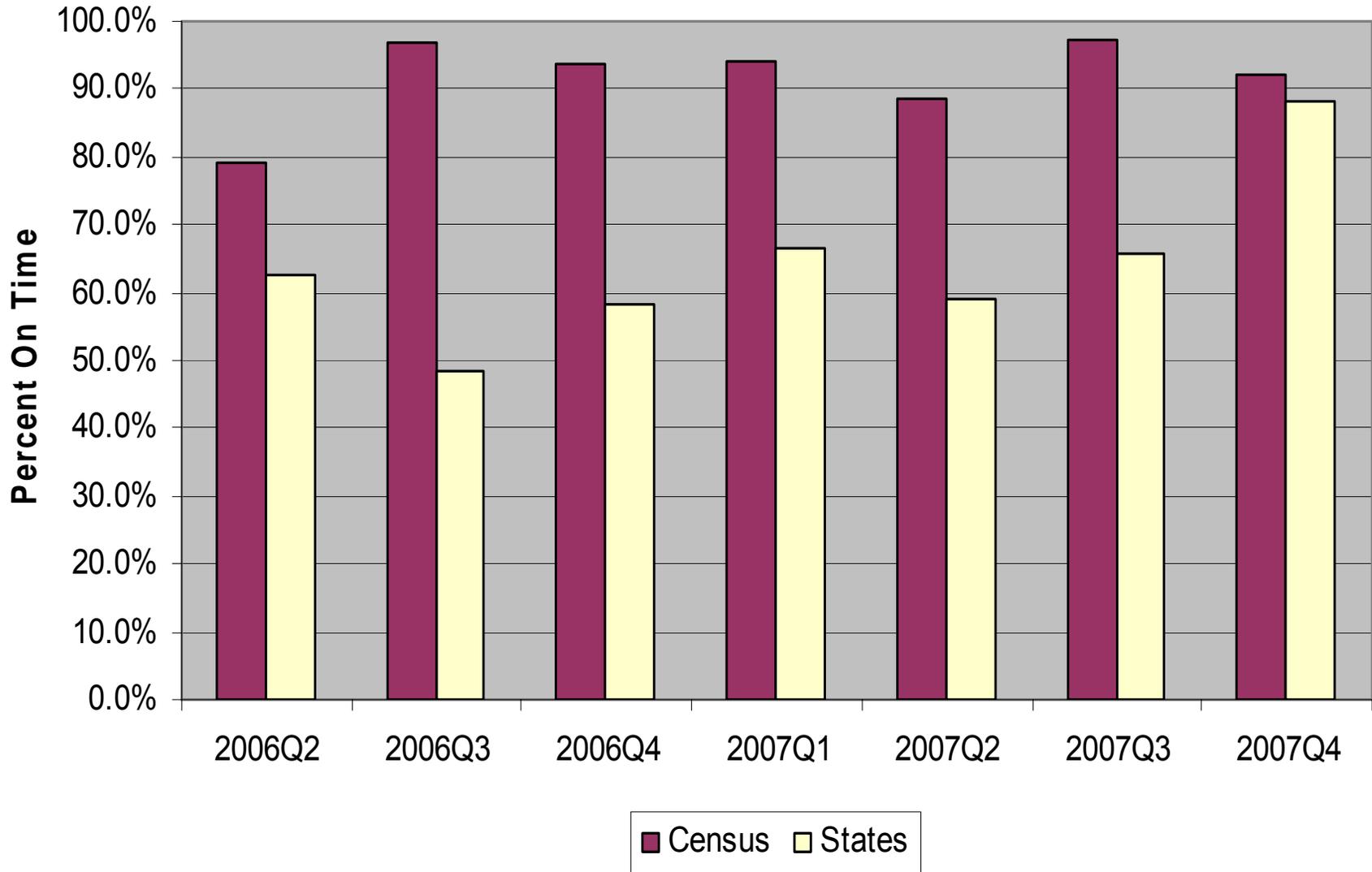
Regular (43)

States (Quarterly) 42

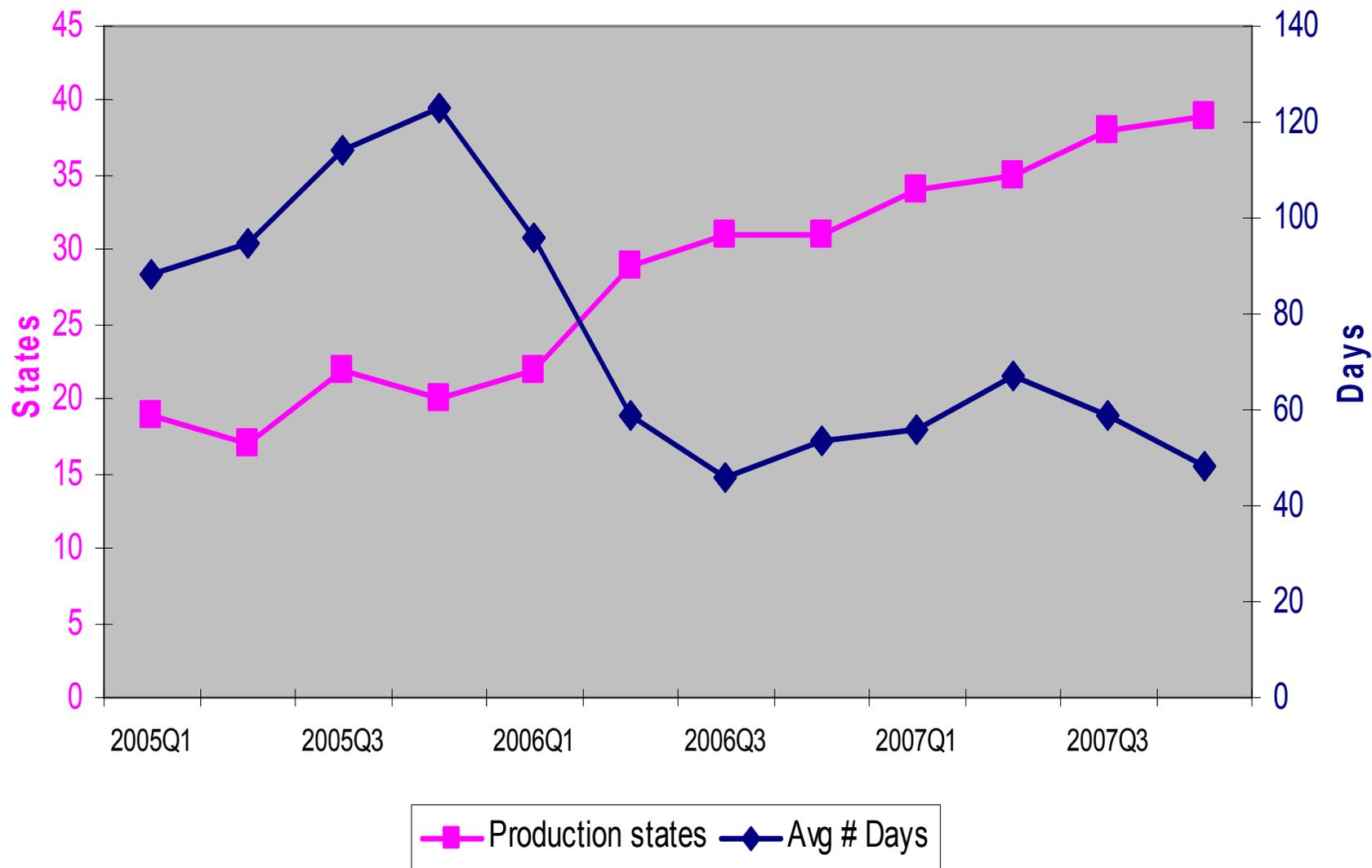
CA (Annual) 1

Convert CA to quarterly
schedule beginning
2008Q2

On Time Performance for QWI Production



Number of QWI Production States and Days



QWI Production System

- Upgraded to 36 CPU/240 GB RAM about 6 months ago
- Upgraded to about 100TB of usable storage in January
- Almost 6,500 processing hours for 42 states each quarter
- CA to add another 1,800 hours; total for national LED will exceed 10,000 hours

Emerging Data Infrastructure

- About 150 million current workers, 190 million current jobs, and 20+ million current employers
- To cover private and public sector jobs and self-employed
- Quarterly data going as far back as 1990
- Currently 6+ billion records and growing

Preparing for the (near) future

- On schedule to begin migration to blade technologies for computing starting in 2008
- Initial deployment:
 - 2 blades; 8-way CPU/32GB RAM
- Full deployment cluster:
 - 56 cpu/448GB RAM/150TB storage
- Additional clusters for test and development environments

The LED Production and QA Teams

Production

Walter Kydd

Tao Li

Cindy Ma

Camille Norwood

Claudia Perez

Chaoling Zheng

Quality Assurance

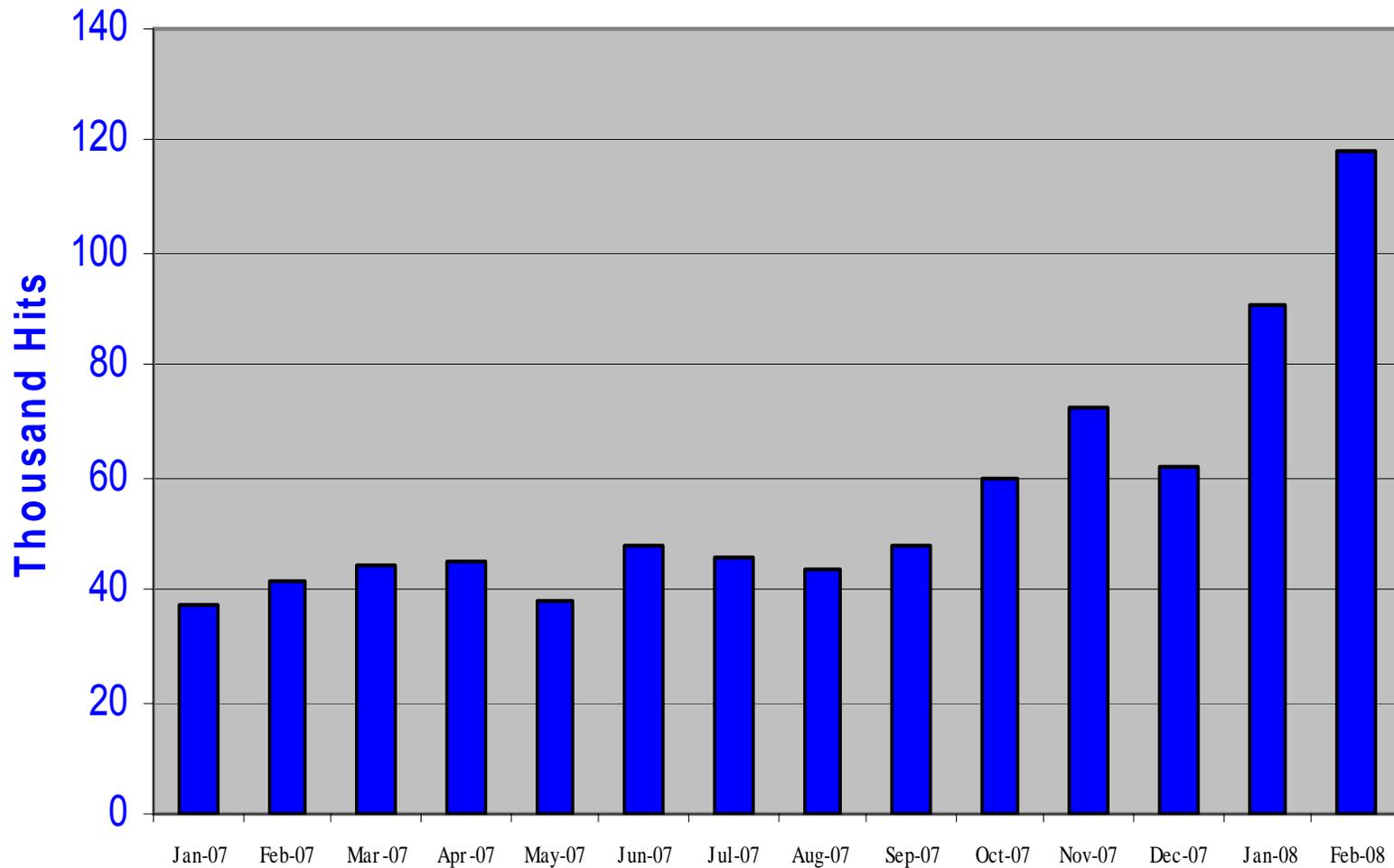
Emily Isenberg

Erika McEntarfer

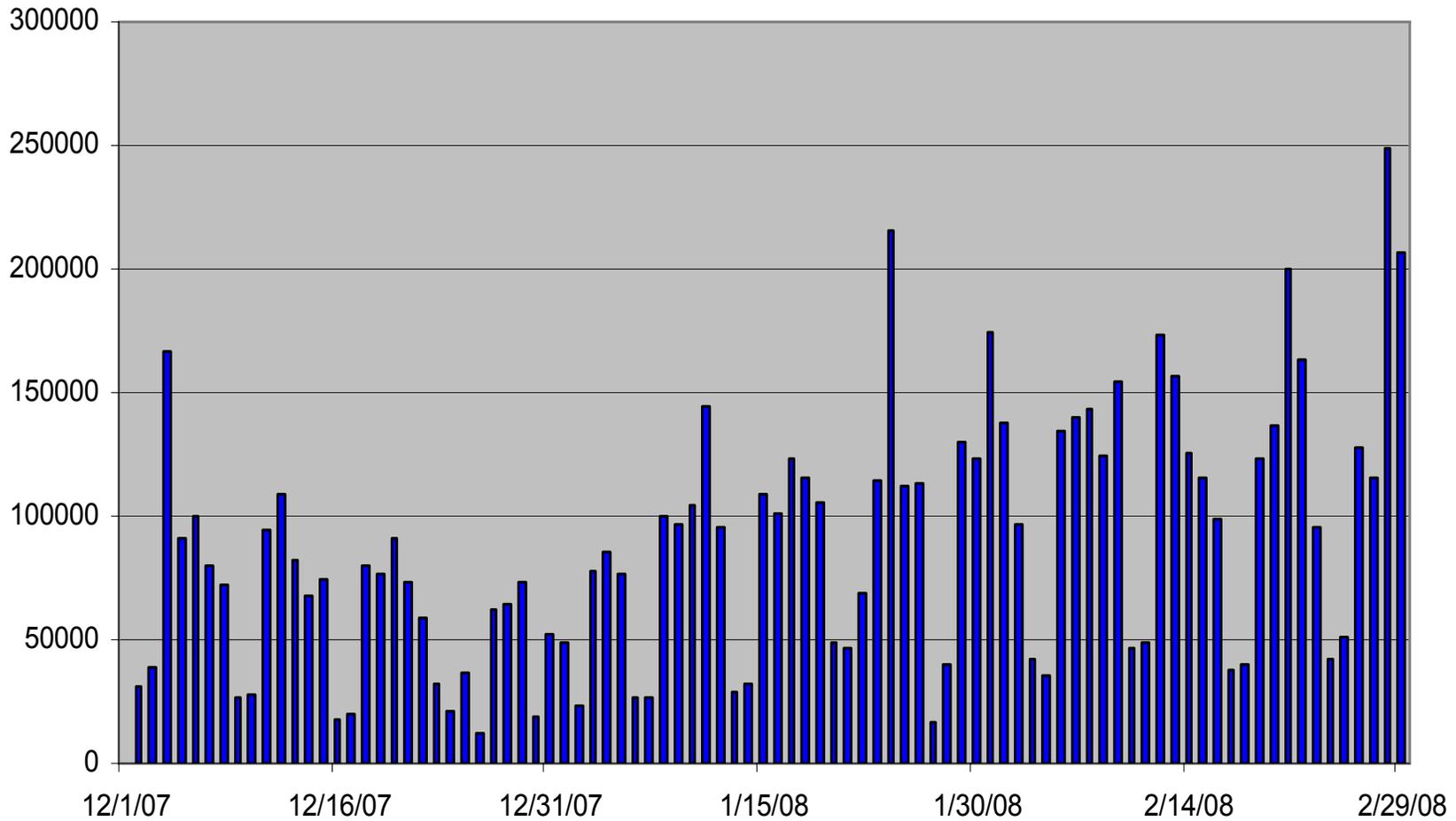
Stephen Tibbets

Lars Vilhuber

Average Daily Hits at LED Website by Month



Daily Hits at LED Website (December 2007 - February 2008)



Contact Us

General Comments/Suggestions

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Production Team

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Local Employment Dynamics Website

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