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Welcome!

Inland Empire Carpentry Breakfast & Industry Panel



Center of Excellence
November 27, 2007
7:30 – 9:00 AM



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110 Community Colleges
9 Centers of Excellence
11 Community Colleges in
Inland Empire

The Centers of Excellence:
Synthesize Workforce Needs
Forecasts Emerging Industries
Convene Strategic Partners

Over 110 locations
to serve you.





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Agenda

- Introductions
- Industry Analysis Findings
- Comments from Industry Panel
- Apprenticeships: One possible solution
- Discussion, Q&A





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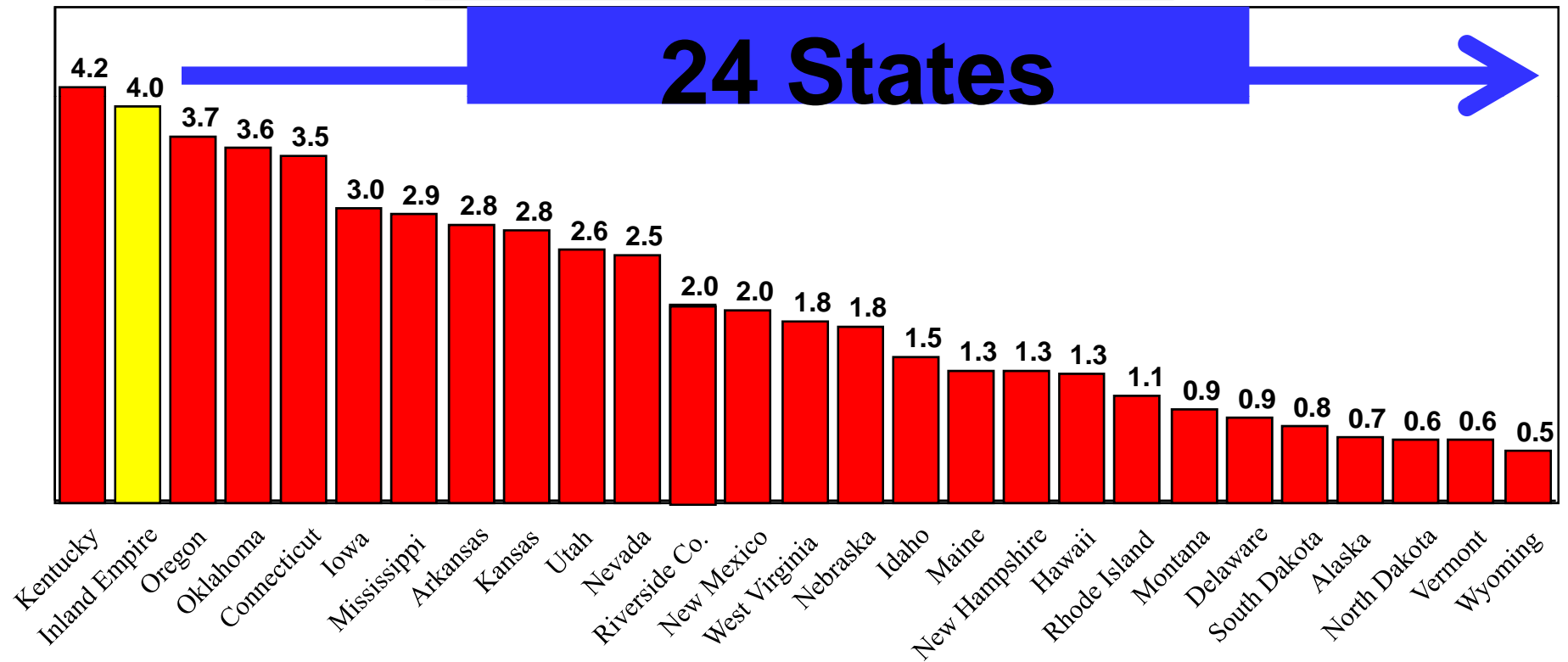
Why Carpenters?

1. *Carpenters comprise about 30% of all construction workers*
2. *Carpentry is going to be among the top 15 most demanded skilled occupations for California till 2014*
3. *87% of employers report moderate to great difficulty recruiting experienced workers*



Population 2006

**Total Population (millions)
Inland Empire As A State, July 2006**



Note: Kentucky Ranked 26th

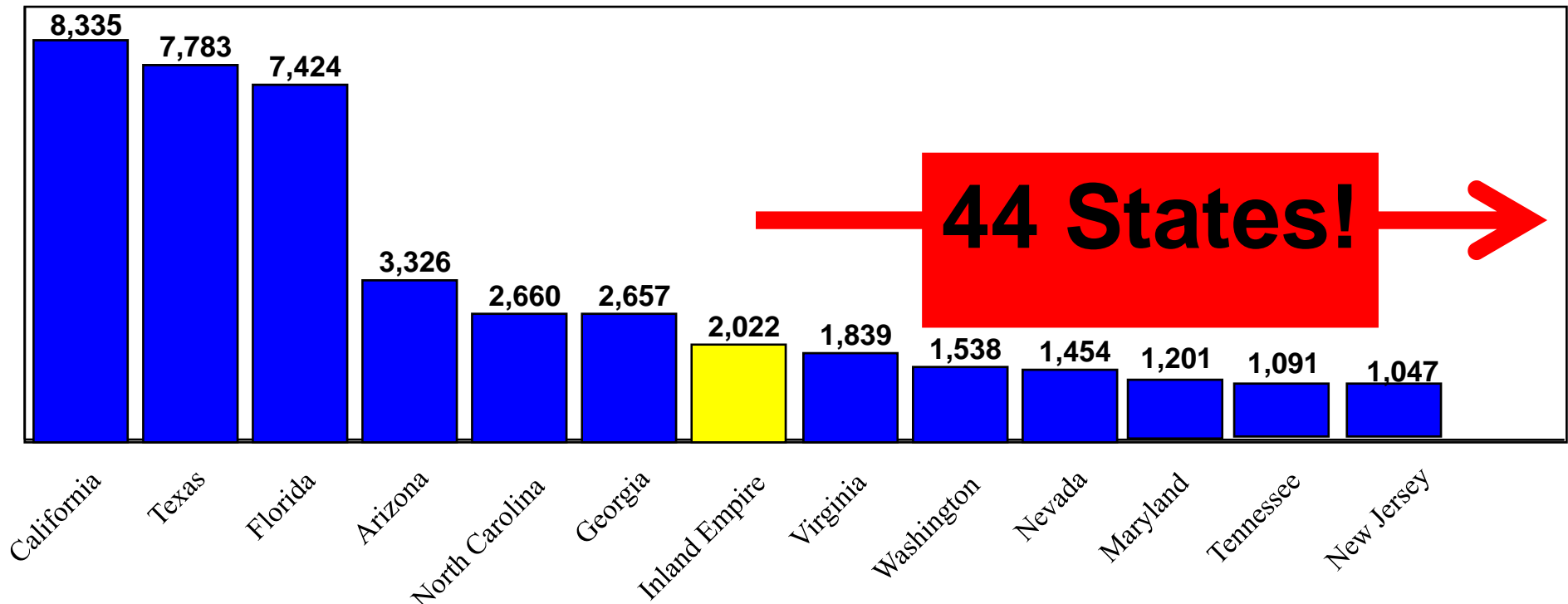
Source: U.S. Department of Commerce – JohnHusing.com



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Population Growth 2000-2020!

Inland Empire & Top 12 States (000)



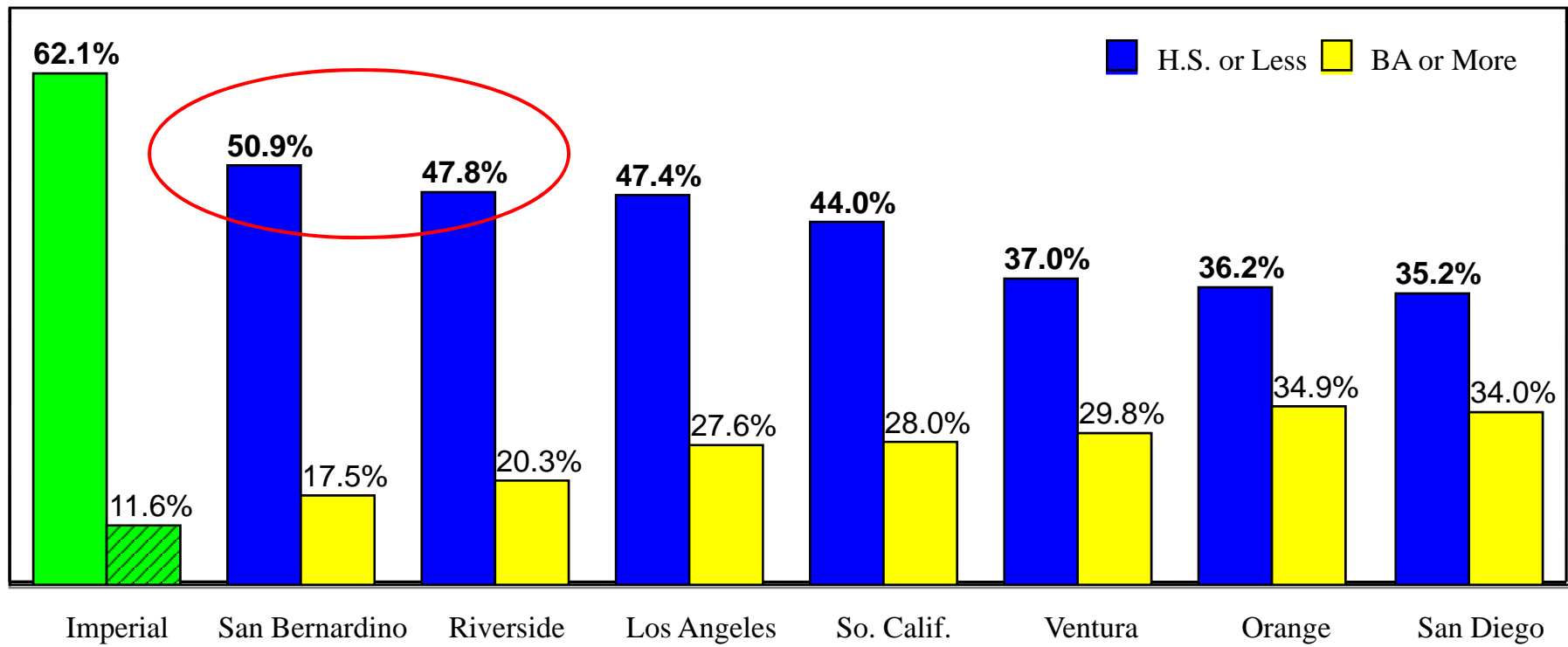
Source: U.S. Bureau of Census, Southern California Association of Governments – JohnHusing.com



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Why Construction Jobs are Important

Education: High School or Less v. BA or More Persons 25 & Over, 2005



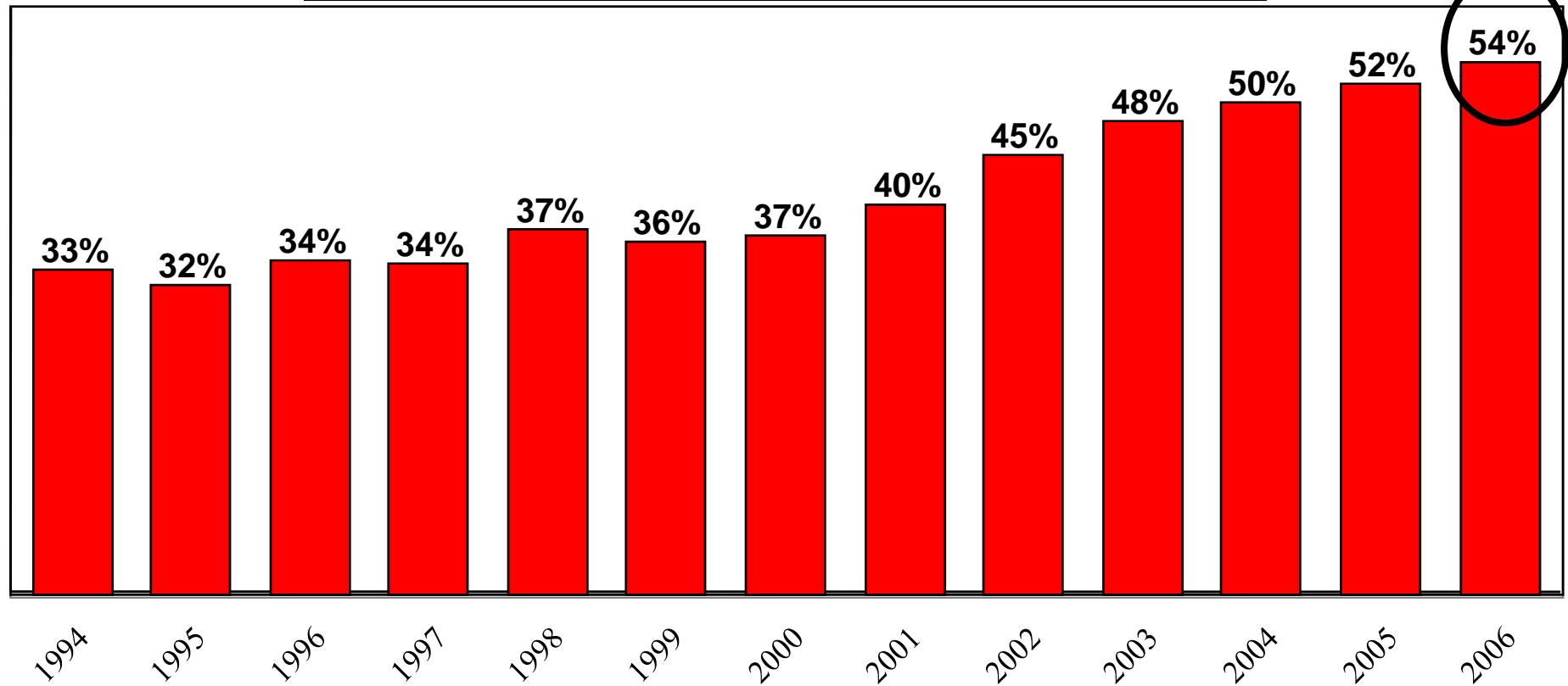
Source: 2005 American Community Survey, Census Bureau – JohnHusing.com



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Share of New Home Market

Share of Southern California New Home Sales
Inland Empire, 1994-2006



Source: Dataquick – JohnHusing.com

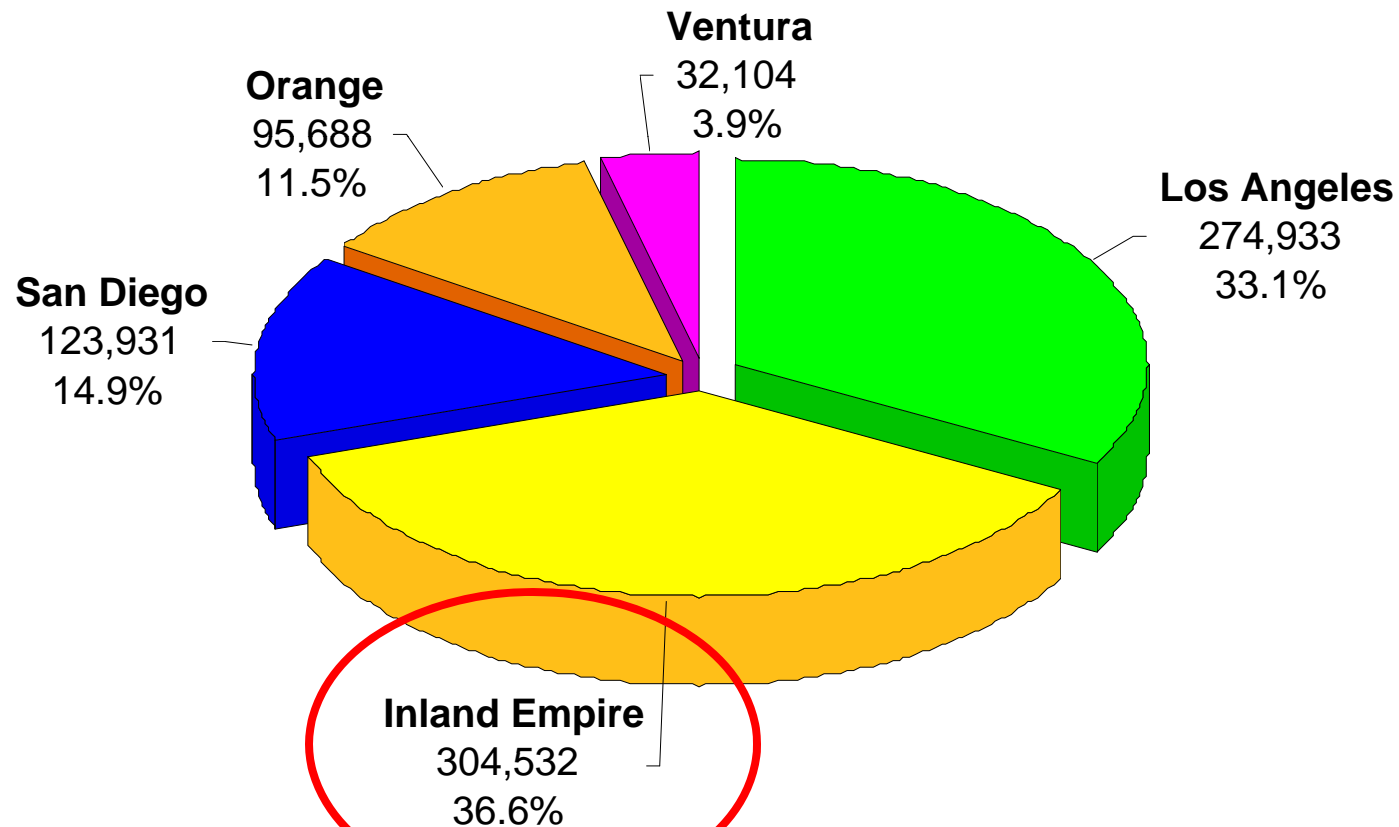


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Total Homes Sold 2004-2006

Total Homes Sold Southern California, 2004-2006



Source: DataQuick

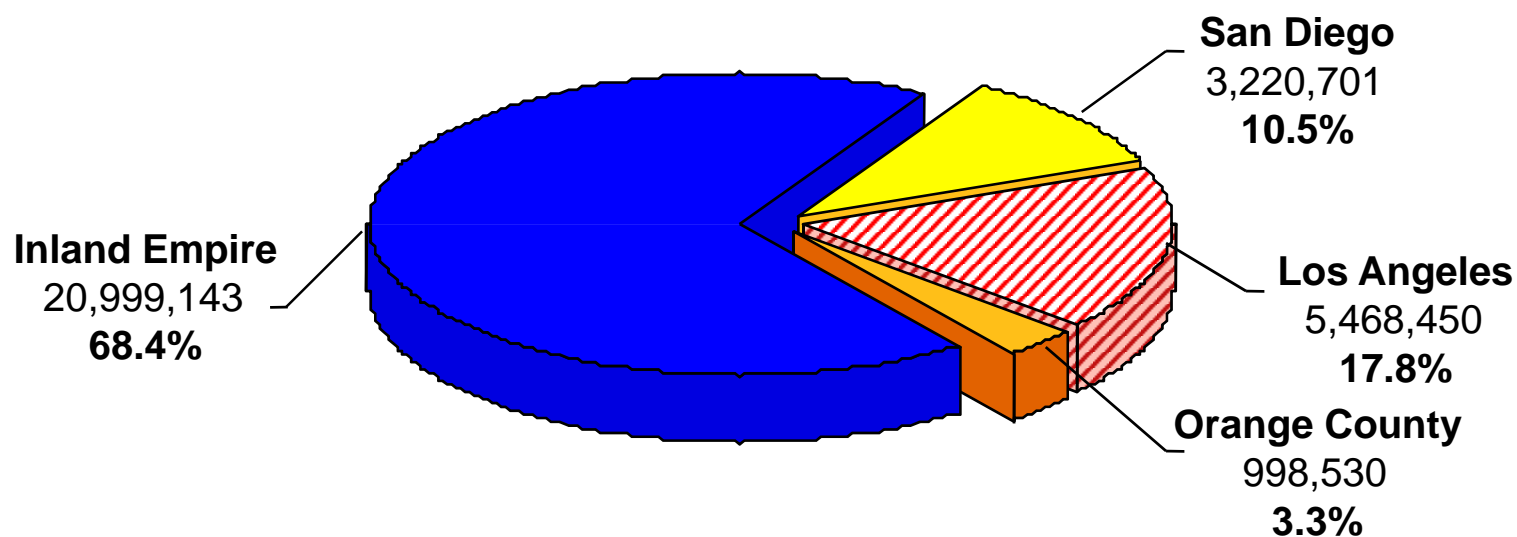


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Inland Empire is 68.4% of So. Calif. Industrial Construction Market

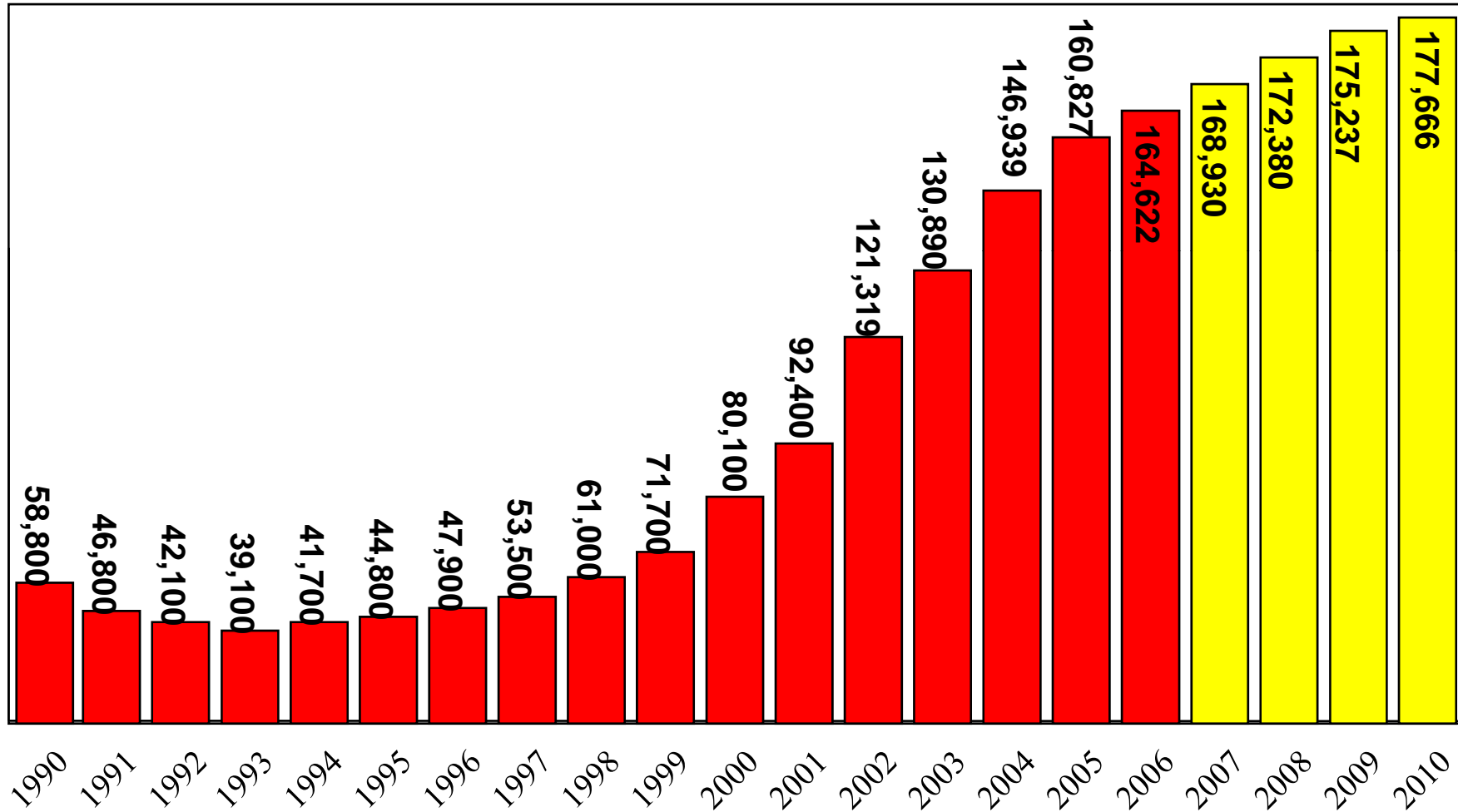
Industrial Space Under Construction Southern California Market, December 2006



Sources: Grubb & Ellis – JohnHusing.com



Construction Employment Inland Empire, 1990 - 2010



Source: CA Employment Development Department



Carpentry Projections 2006-2014

The most favorable Carpenter job market projections for the following seven years are for the Inland Empire region

Carpentry Jobs Across California Regions, 2006-2014

Region	2006 Jobs	2014 Jobs	Change	% Change	Hourly EPW
National Total	1,675,466	1,841,847	166,381	10%	\$15.69
State Total	217,477	233,587	16,110	7%	\$20.35
Inland Empire	30,605	34,386	3,781	12%	\$20.26
Greater Sacramento	18,647	21,273	2,627	14%	\$21.73
Central Valley	17,850	19,810	1,960	11%	\$17.99
San Diego & Imperial	21,352	23,116	1,764	8%	\$19.26
Los Angeles	32,472	33,976	1,505	5%	\$18.89
San Francisco	37,943	39,321	1,378	4%	\$23.41
Ventura	13,937	15,196	1,259	9%	\$19.74
Orange	21,355	22,262	907	4%	\$20.48
Nor California Inland	3,929	4,371	442	11%	\$19.23
Nor California Coastal	2,036	2,290	254	13%	\$23.67
Silicon Valley	17,485	17,731	247	1%	\$22.98



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Construction Industry 3-Step Career Ladder

Beginning Construction worker

Advanced Skill Trades



Given the 21 construction trades, the best use of college resources would be to offer training in those with the most jobs: **carpenters, electricians, painters, dry wall & ceiling tile installers, and plumbers/pipelayers**. These represent over 70,000 jobs (55%) of the sector's skilled jobs in 2011.

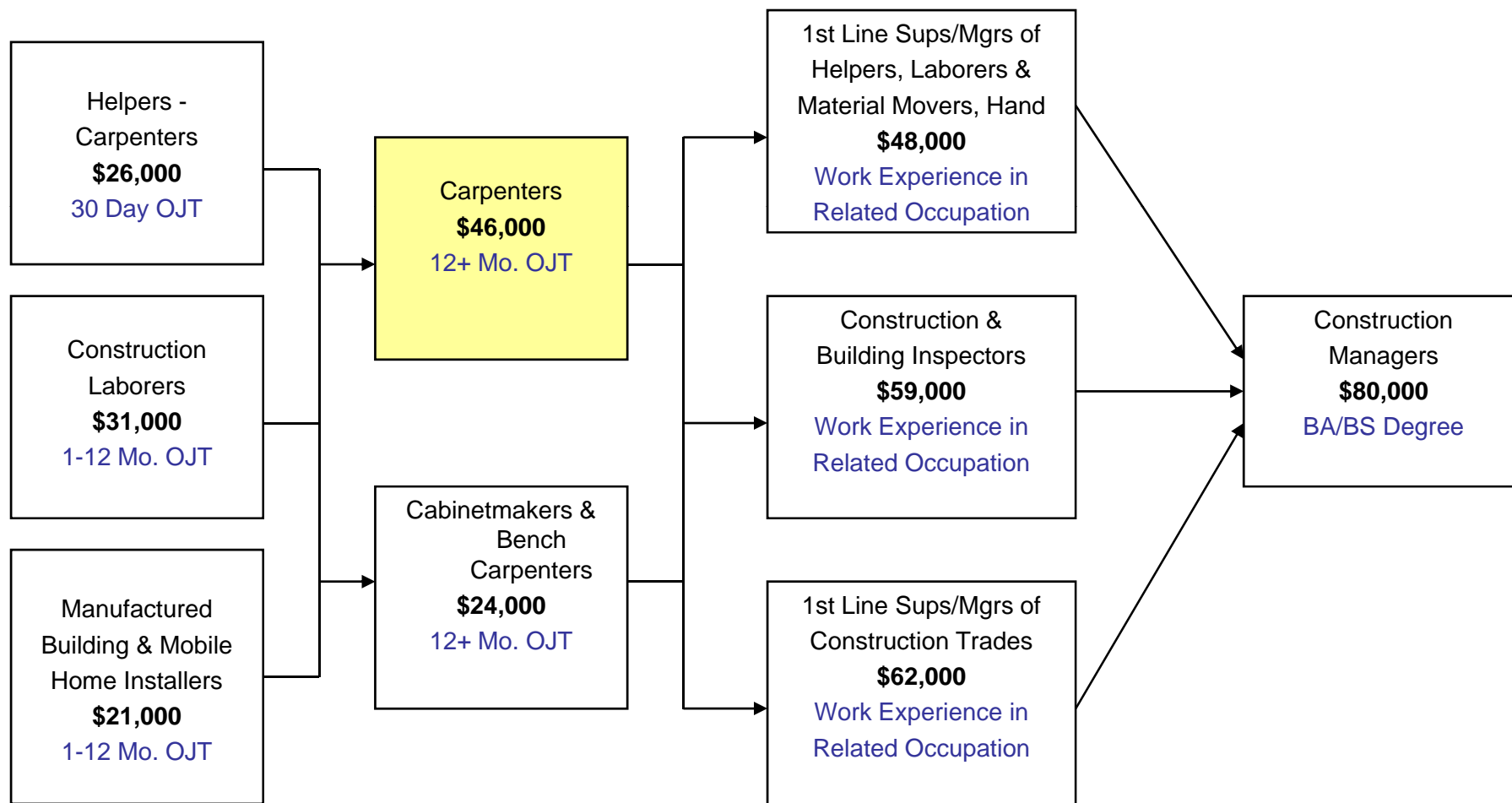
Management/Supervisory Training



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Career Pathways





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Inland Empire Training Programs

Carpentry and carpentry-related trades can be grouped into four categories:

1. Carpenter's unions and their training centers
2. Regional occupational programs (ROP)
3. Community colleges
4. Non-profit and for-profit organizations, including non-union associations





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Unions

Southwest Regional Council of Carpenters
Joint Apprenticeship Training Committee (JATC)

Local 944

State-of-the-art Carpentry Training Facility

In Ontario, CA





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ROPs

Baldy View ROP

Cabinet Making & Cabinet Pre-Apprentice

Colton-Redlands-Yucaipa ROP

Cabinet Making

Construction Technology

San Bernardino County ROP

Construction Trades

(Locations: San Geronio High School, Serrano High School, Barstow High School)



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Community Colleges

Chaffey College

Construction pre-employment program

Palo Verde College

Building Technology (A.S. degree & Certificate)

Victor Valley College

Building Construction & Construction Technology
(A.S. degrees & Certificates)



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Non-Union Associations

Associated Builders & Contractors (So Cal chapter)

ABC So-Cal only offers fully accredited, state approved apprenticeship training programs in Electricians & Plumbers

Associated General Contractors (Riverside Office)

AGC accepts apprenticeship applications for Carpenters, Cement Masons, Drywall lathers, Drywall finishers, Heavy equipment operators, Painters, and Laborers.

California Building Industries Association

Offers educational programs and certifications to member employers. Interested/willing to partner with CCCs to provide Contract Ed courses using NAHB's curriculum.



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Sample Curriculum

Residential Construction Academy Series: Carpentry



2008 Textbook, Instructor's Guide, e-resource,
DVD set, & Carpentry Workbook

(Industry-wide Skill Standards. Over 3,500 nationwide since 2001)
(www.residentialacademy.com)



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Apprenticeships

- There are 12 state-approved apprenticeable specialties associated with this occupation:

Carpenter

Lather

Residential Carpenter

Shipwright

Mold Carpenter

Casket Assembler

Maintenance Carpenter

Prop Maker

Joiner

Interior Systems Carpenter

Ship Carpenter

Wood Boatbuilder



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Carpentry Environmental Scan Report

Contents:

- Construction Industry Overview
- Carpentry Occupation Outlook
- Regional Comparison of Wages and Earnings
- Regional Comparison of Employment for Carpenters
- Carpenter Training Requirements
- Skill Sets
- Career Pathways and Training
- Existing Curriculum/Training and Industry Involvement
- Implications and Recommendations for Community Colleges
 - Apprenticeships
 - Articulation
 - Program development/modification



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Completed Industry Scans

www.pdctraining.org

Bus Transit

Computer Information Systems

Construction Industry

Durable Manufacturing

Electricians

Furniture Manufacturing

GIS Analysis: Food Manufacturing

GIS Report: Riverside County CCC Service Areas

Industry & Demographic Report: Palo Verde College

Industry Concentration Report for Barstow & Victor Valley

Insurance Industry

Motorcycle Technicians

Railway Occupations



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The Real Experts . . .

**Frank Ward – Southwest Regional Council of
Carpenters**

Mike McCasland – Stater Bros. Markets

Santos Torres – T.D.R.

**Barry Noonan – California Community Colleges,
Chancellors Office**