

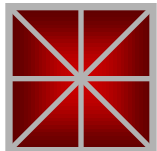


**ORANGE COUNTY TRANSPORTATION AUTHORITY**

**Taxable Sales Forecast - Esmael Adibi, Ph.D., Chapman  
University**

**PowerPoint**

# The Chapman University Economic Forecast



**A. GARY ANDERSON CENTER FOR ECONOMIC RESEARCH  
CHAPMAN UNIVERSITY**

# This Recovery Is Not Going To Stall

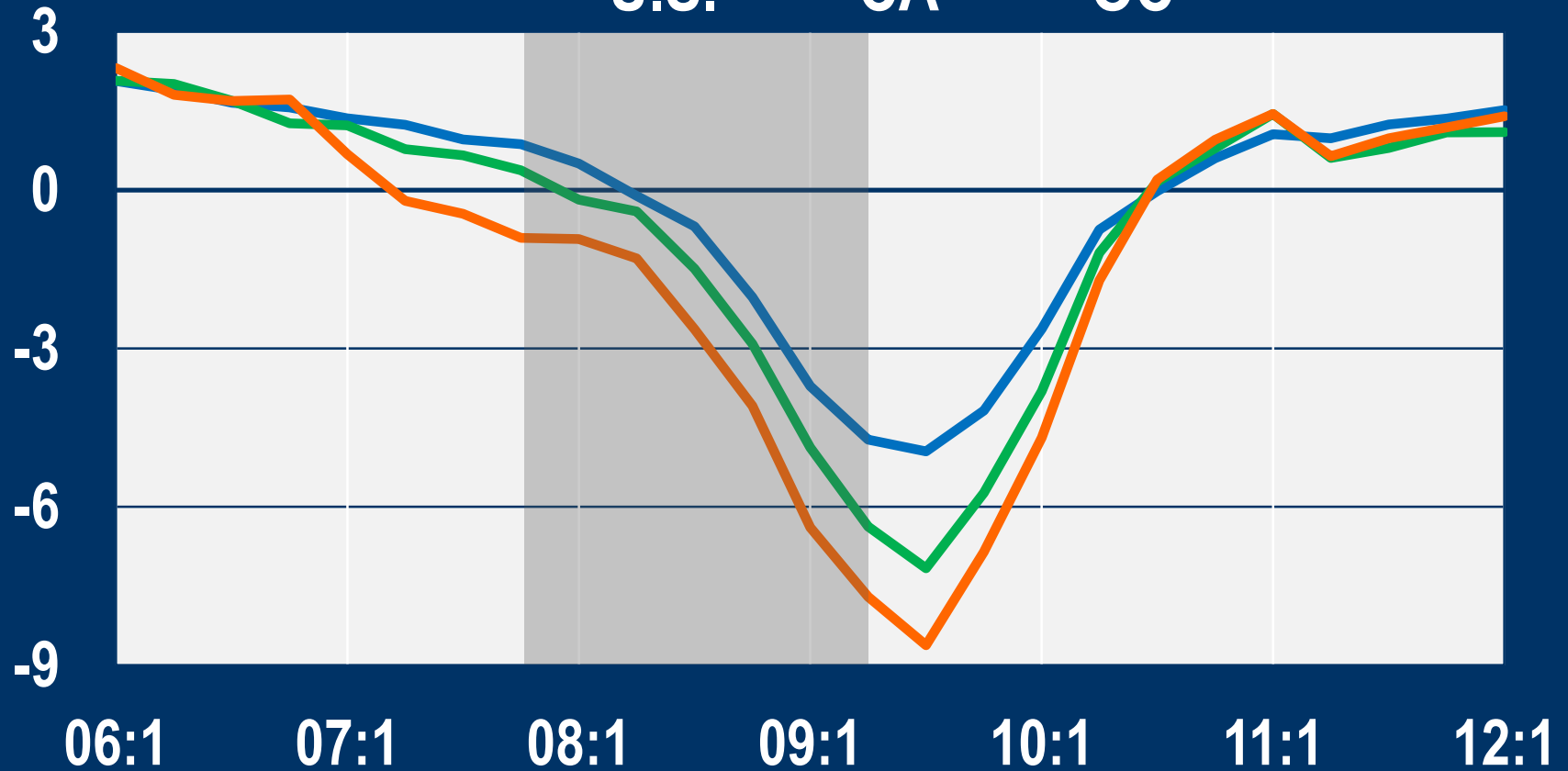


*Which sectors will power ahead?*

# Payroll Job Growth

Yr/Yr % Change

— U.S. — CA — OC



# Payroll Job Growth 2011

|                      |             |
|----------------------|-------------|
| <b>Santa Clara</b>   | <b>2.7</b>  |
| <b>San Francisco</b> | <b>1.7</b>  |
| <b>Orange County</b> | <b>1.1</b>  |
| <b>California *</b>  | <b>1.0</b>  |
| <b>San Diego</b>     | <b>0.7</b>  |
| <b>Los Angeles</b>   | <b>0.6</b>  |
| <b>Ventura</b>       | <b>0.5</b>  |
| <b>Inland Empire</b> | <b>0.3</b>  |
| <b>Fresno</b>        | <b>0.1</b>  |
| <b>Modesto</b>       | <b>-0.2</b> |
| <b>Oakland</b>       | <b>-0.2</b> |
| <b>Sacramento</b>    | <b>-1.0</b> |

*\* Seasonally adjusted*

# The Most Influential Economic Variables Affecting Job Outlook

|                       | Projected Impact                                                                              |                                                                                                |      |      |
|-----------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------|------|
|                       | 2010                                                                                          | 2011                                                                                           | 2012 | 2013 |
| Real GDP              | +3.0%<br>    | +1.7%<br>   |      |      |
| Real Exports          | +11.3%<br>  | +6.7%<br>  |      |      |
| Construction Spending | <br>-33.7% | <br>-4.9% |      |      |

# The Most Influential Economic Variables Affecting Job Outlook

|                       | Projected Impact                                                                              |                                                                                                |                                                                                              |                                                                                              |
|-----------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|                       | 2010                                                                                          | 2011                                                                                           | 2012                                                                                         | 2013                                                                                         |
| Real GDP              | +3.0%<br>    | +1.7%<br>   | +2.3%<br> | +2.6%<br> |
| Real Exports          | +11.3%<br>  | +6.7%<br>  |                                                                                              |                                                                                              |
| Construction Spending | <br>-33.7% | <br>-4.9% |                                                                                              |                                                                                              |

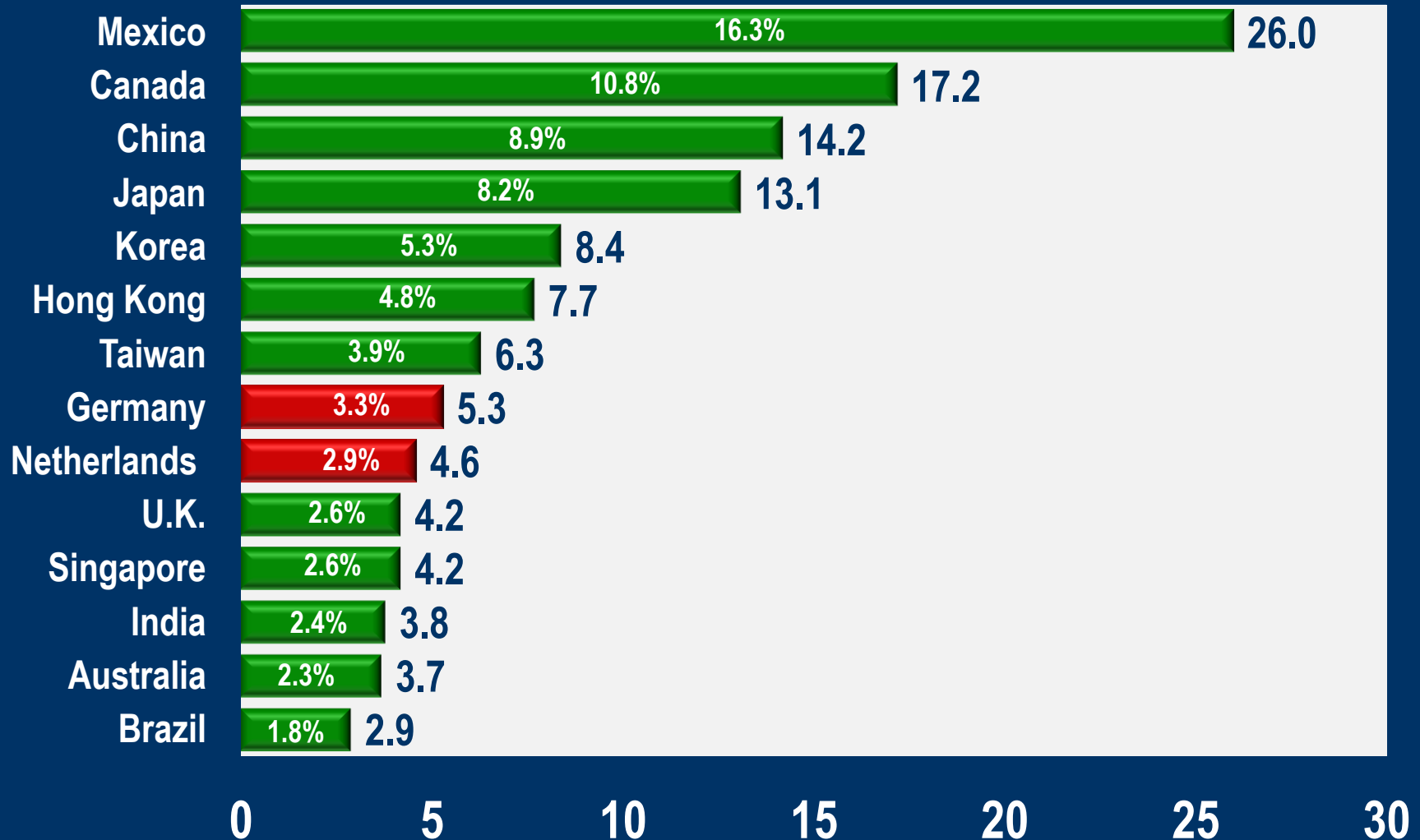
# California Merchandise Exports

Billions of \$



# California Merchandise Exports

## Billions of \$

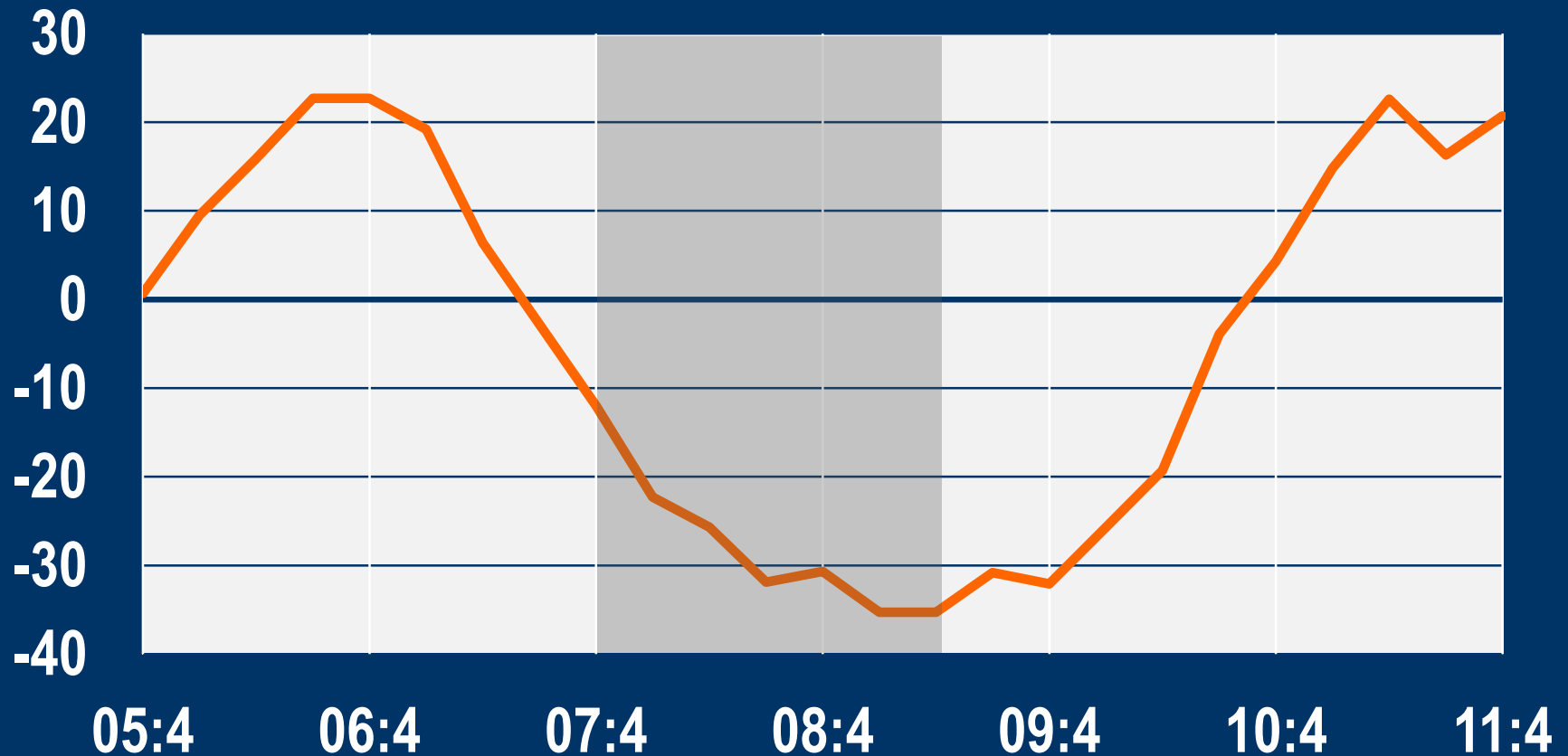


# The Most Influential Economic Variables Affecting Job Outlook

|                       | Projected Impact                                                                              |                                                                                                |                                                                                               |                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|                       | 2010                                                                                          | 2011                                                                                           | 2012                                                                                          | 2013                                                                                          |
| Real GDP              | +3.0%<br>    | +1.7%<br>   | +2.3%<br>  | +2.6%<br>  |
| Real Exports          | +11.3%<br>  | +6.7%<br>  | +4.4%<br> | +5.2%<br> |
| Construction Spending | <br>-33.7% | <br>-4.9% |                                                                                               |                                                                                               |

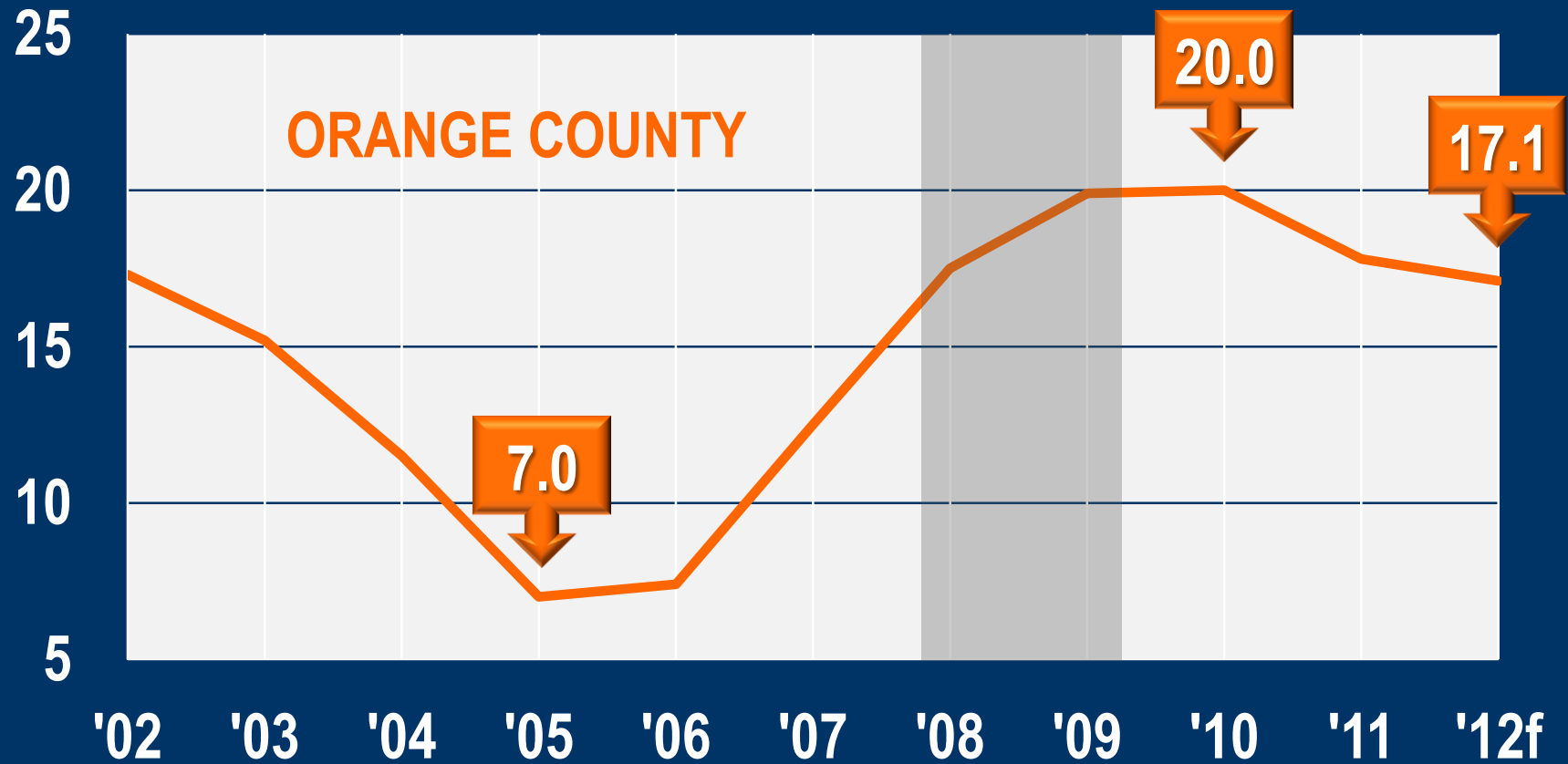
# Orange County Construction Spending

Yr/Yr % Change



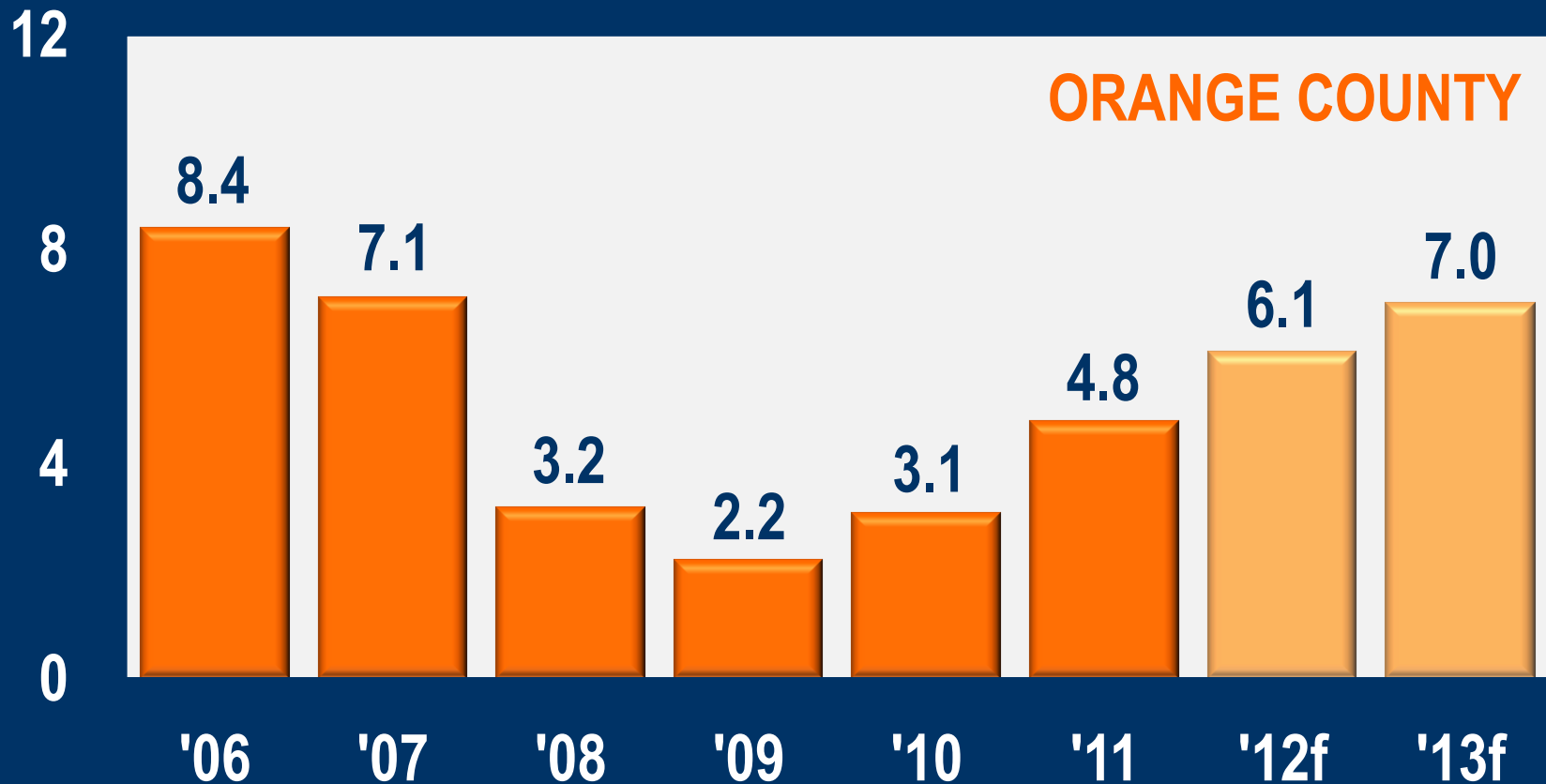
# Office Vacancy Rates

Vacancy Rate, %



# Multiple and Single Housing Permits

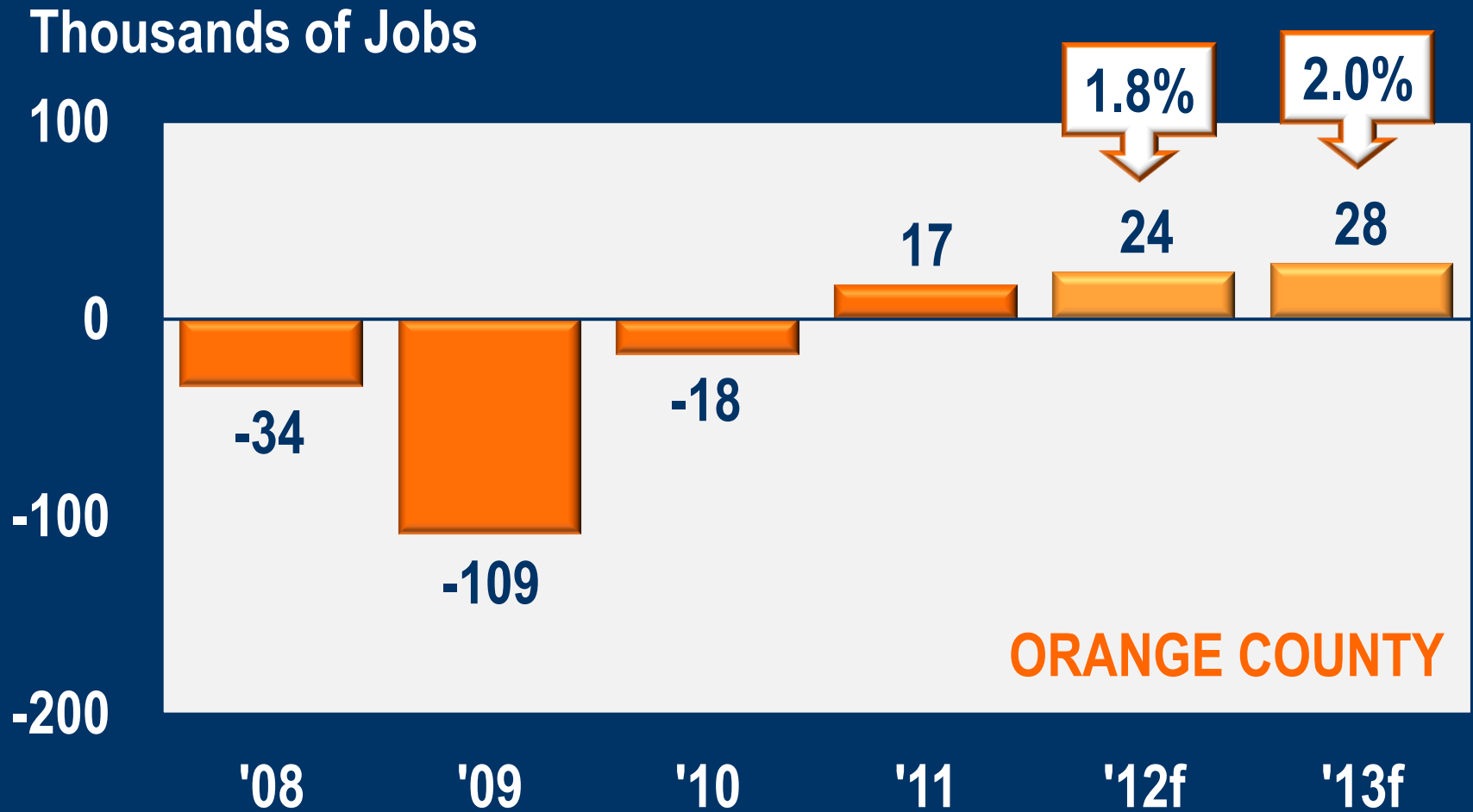
In Thousands



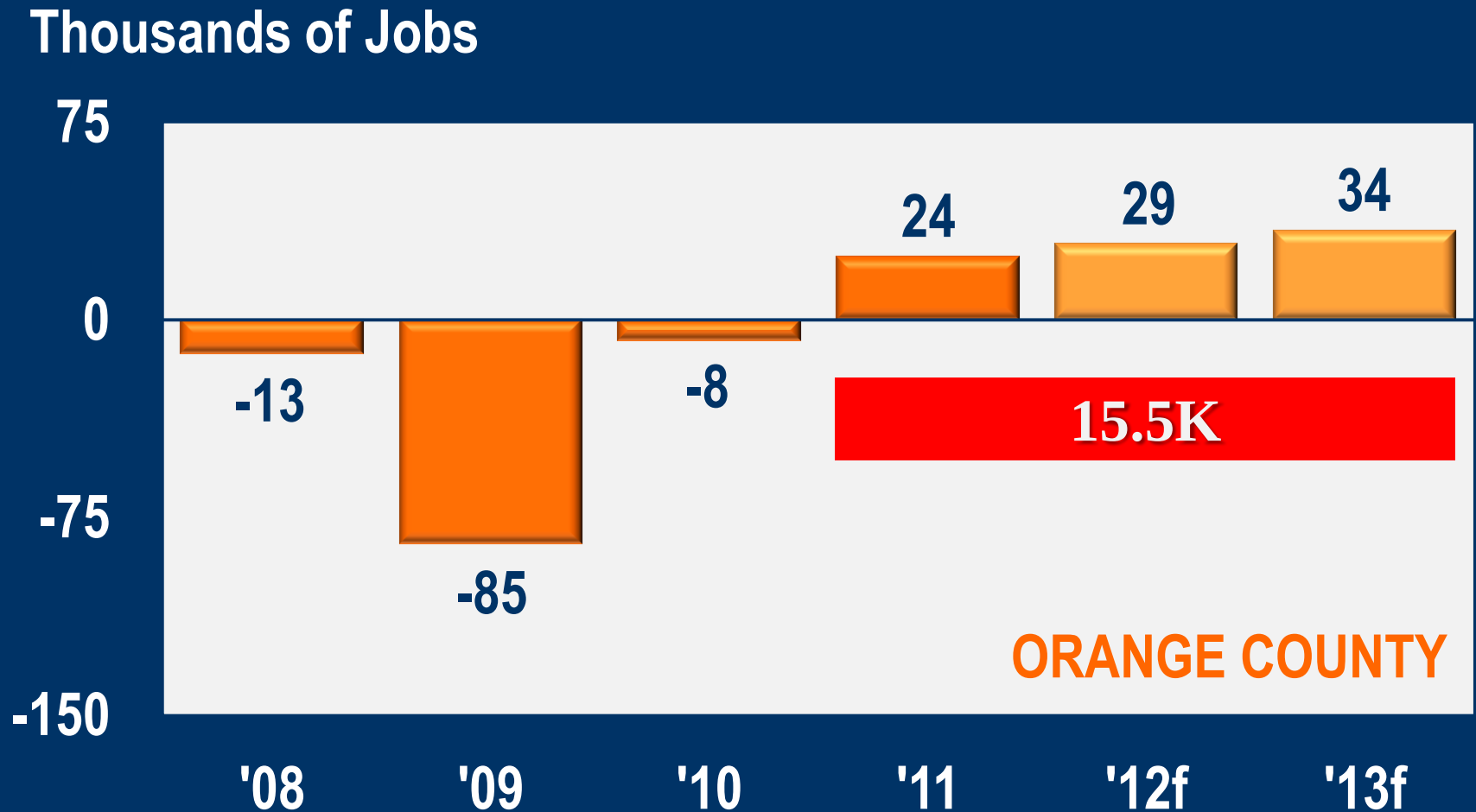
# The Most Influential Economic Variables Affecting Job Outlook

|                       | Projected Impact                                                                              |                                                                                                |                                                                                                 |                                                                                                |
|-----------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|                       | 2010                                                                                          | 2011                                                                                           | 2012                                                                                            | 2013                                                                                           |
| Real GDP              | +3.0%<br>    | +1.7%<br>   | +2.3%<br>    | +2.6%<br>   |
| Real Exports          | +11.3%<br>  | +6.7%<br>  | +4.4%<br>   | +5.2%<br>  |
| Construction Spending | <br>-33.7% | <br>-4.9% | +10.7%<br> | +7.6%<br> |

# Payroll Job Growth

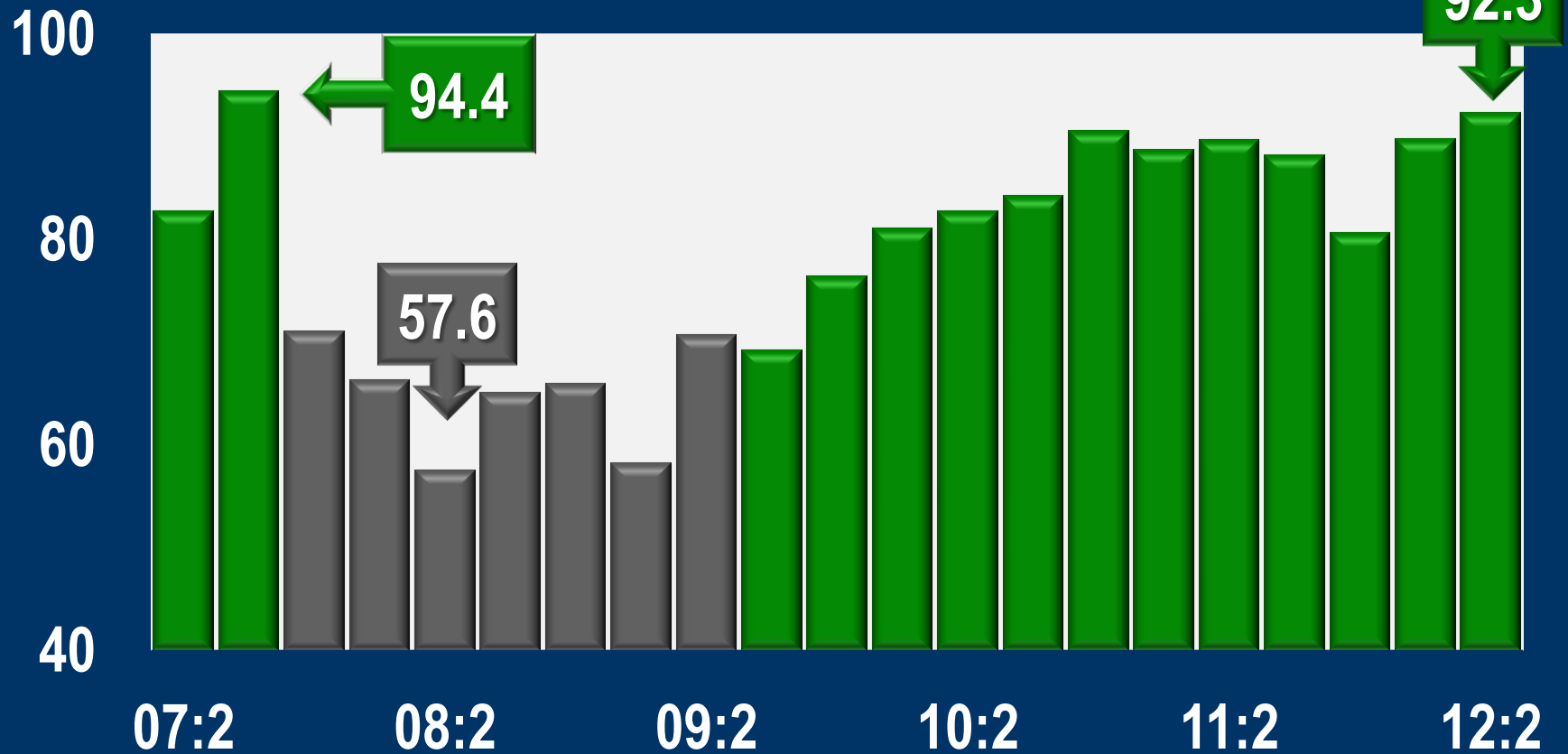


# Change in Civilian Employment



# California Consumer Confidence

Composite Index



# Household Debt Service Payments As a Percentage of Disposable Income

Percent

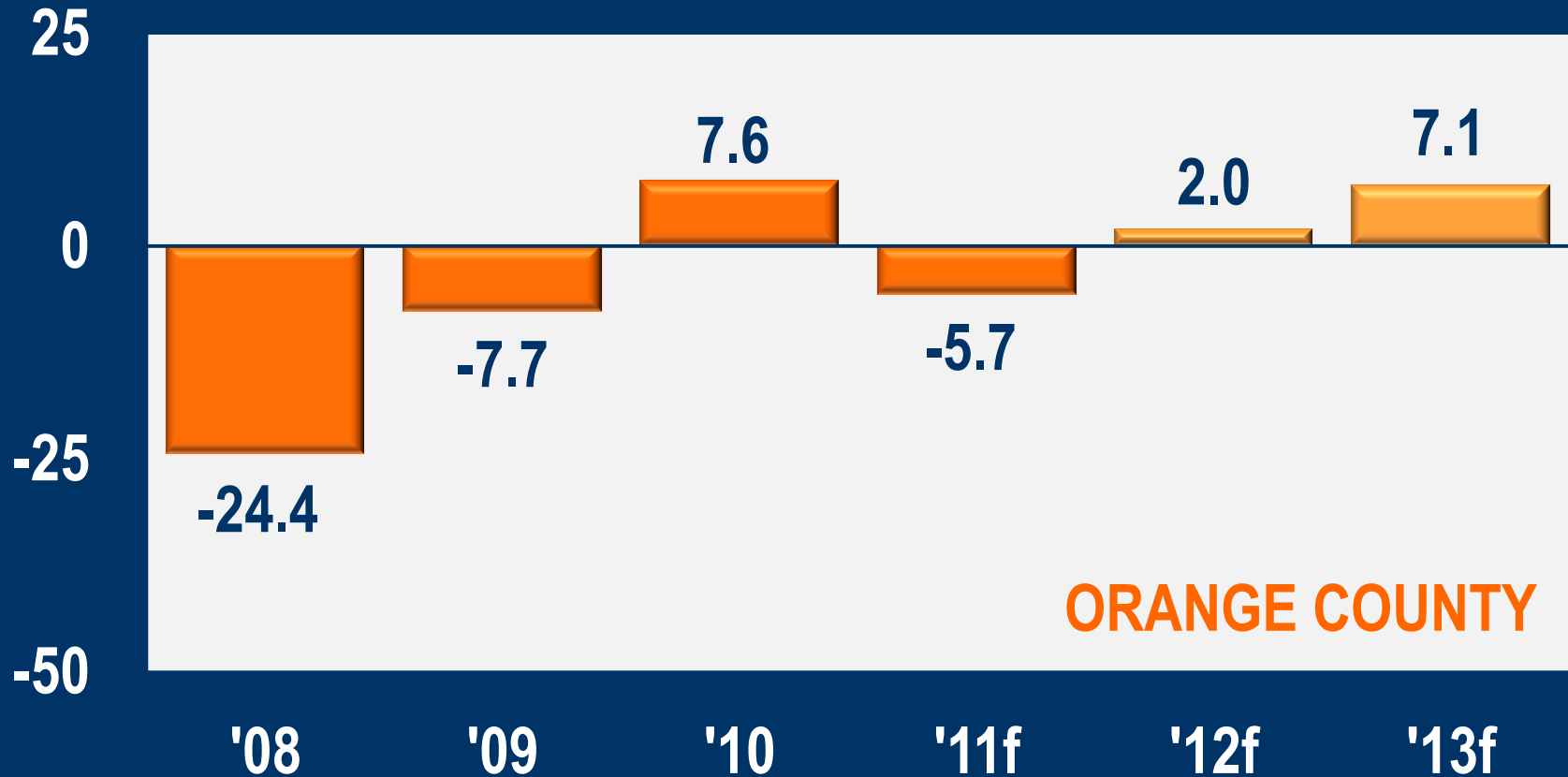


# Factors Affecting Home Prices

|                          | Very Unfavorable | Unfavorable | Neutral | Favorable | Very Favorable |
|--------------------------|------------------|-------------|---------|-----------|----------------|
| <b>DEMAND:</b>           |                  |             |         |           |                |
| Jobs/<br>Unemployment    |                  |             |         | ✓         |                |
| Housing<br>Affordability |                  |             |         |           | ✓              |
| <b>SUPPLY:</b>           |                  |             |         |           |                |
| Permits                  |                  | ✓           |         |           |                |
| Unsold inventory         |                  | ✓           | ✓       |           |                |
| <b>EXPECTATIONS</b>      |                  | ✓           | ✓       |           |                |

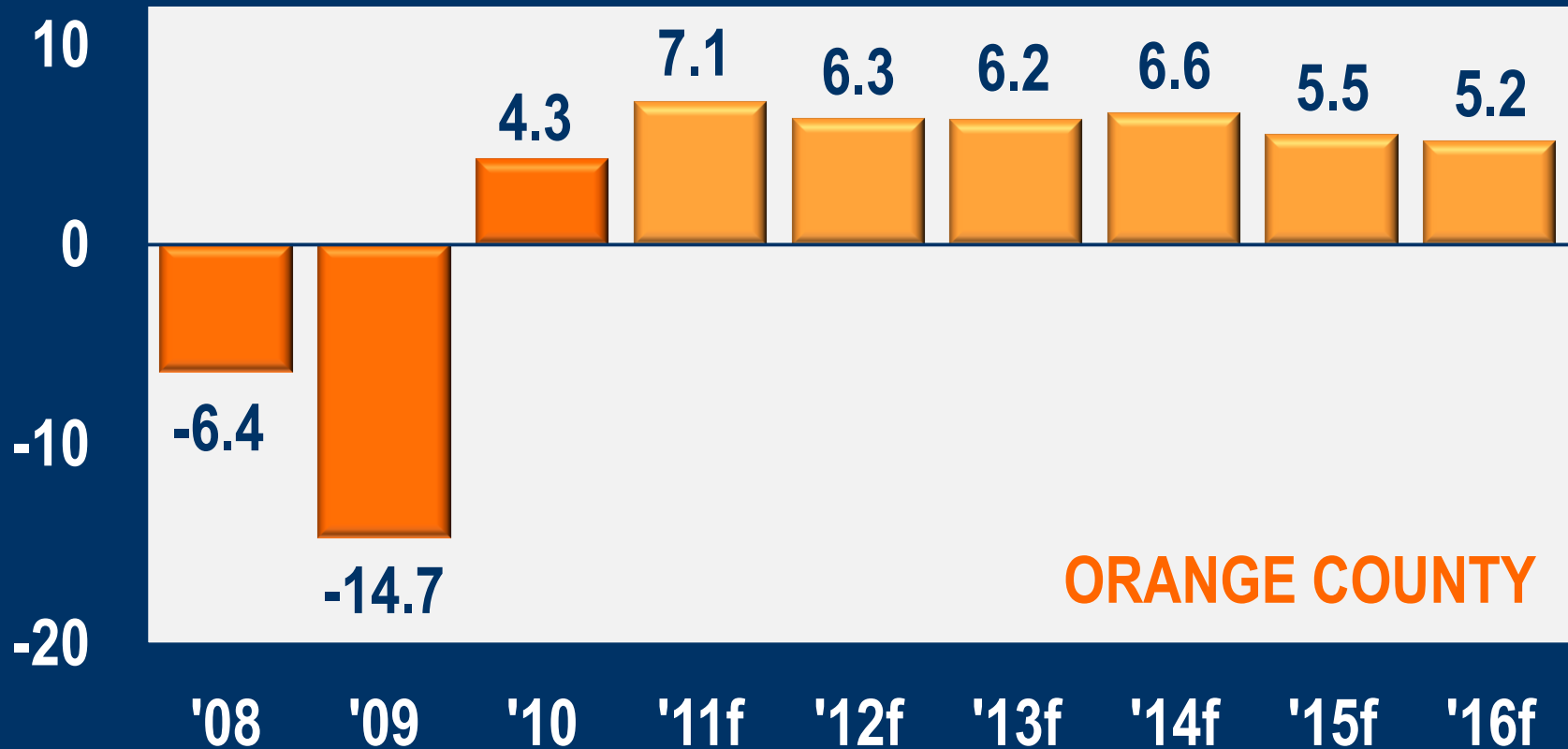
# Resale Single-Family Housing Prices

Annual % Change

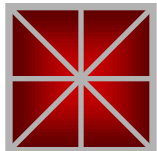


# Taxable Sales

Annual % Change



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