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Indiana Labor Market Forecast 2008

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Ball State University

- Annual Forecast of labor market data (QWI)
- Reduced form & time series model based on national forecast
- Insight into labor market issues (job flows, turnover, wages, age groups, industries, etc.)
- Disaggregated to Workforce Investment Region

Full forecast in December – Just a sneak preview today

Each regional model has:

- 32 variables
- 8 reduced form equations
- 1 to 8 quarterly lagged values
- 4 national level forecast elements

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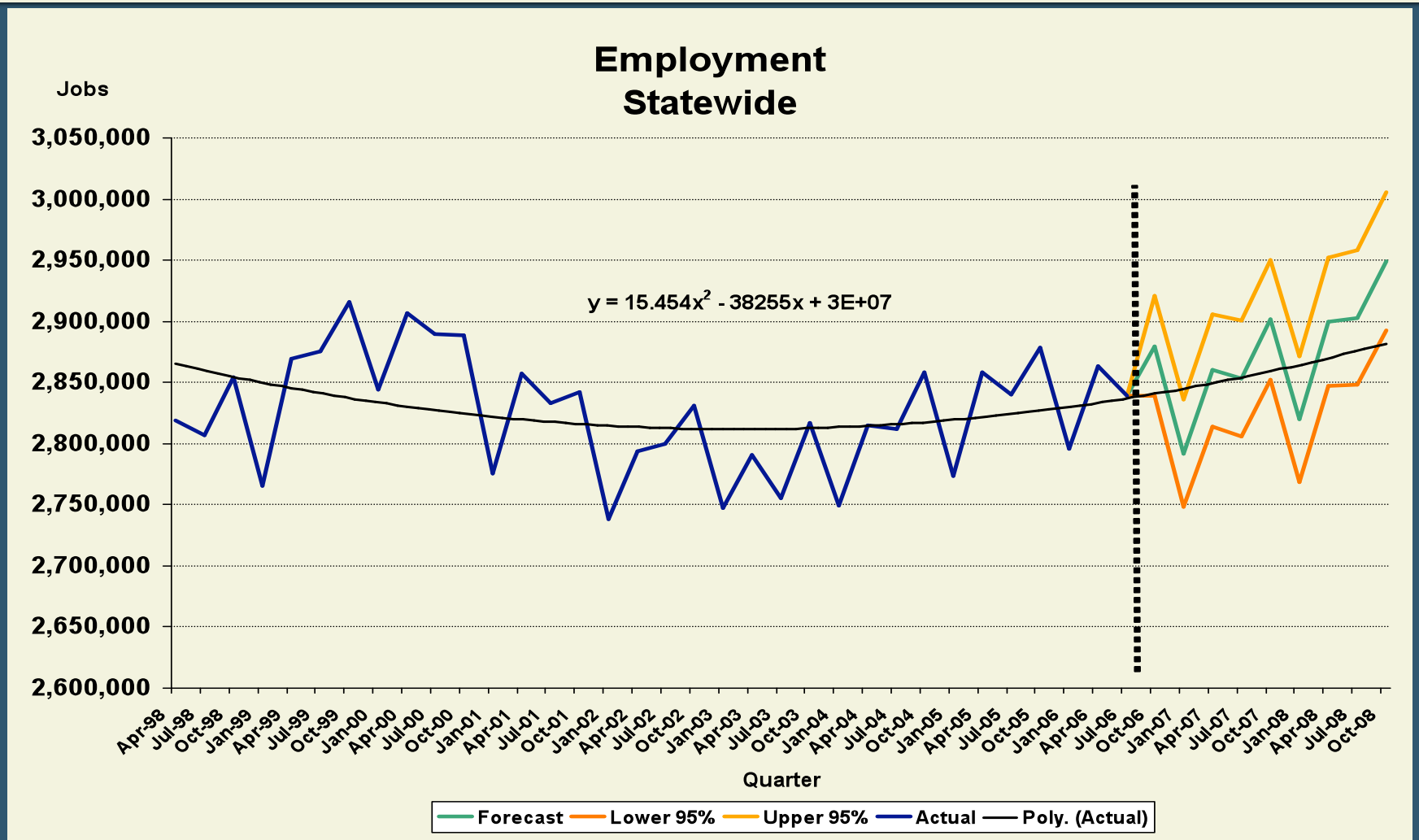

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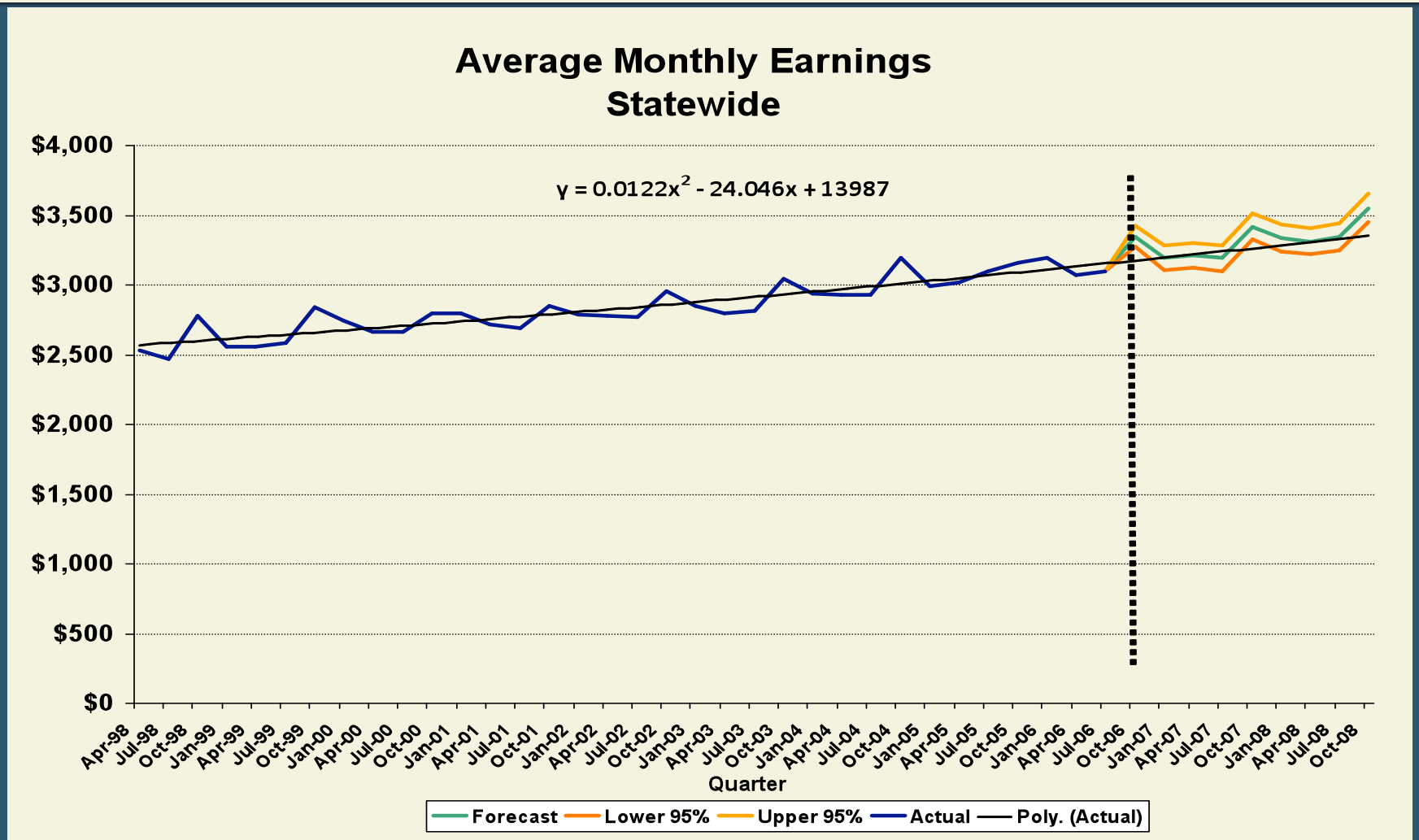
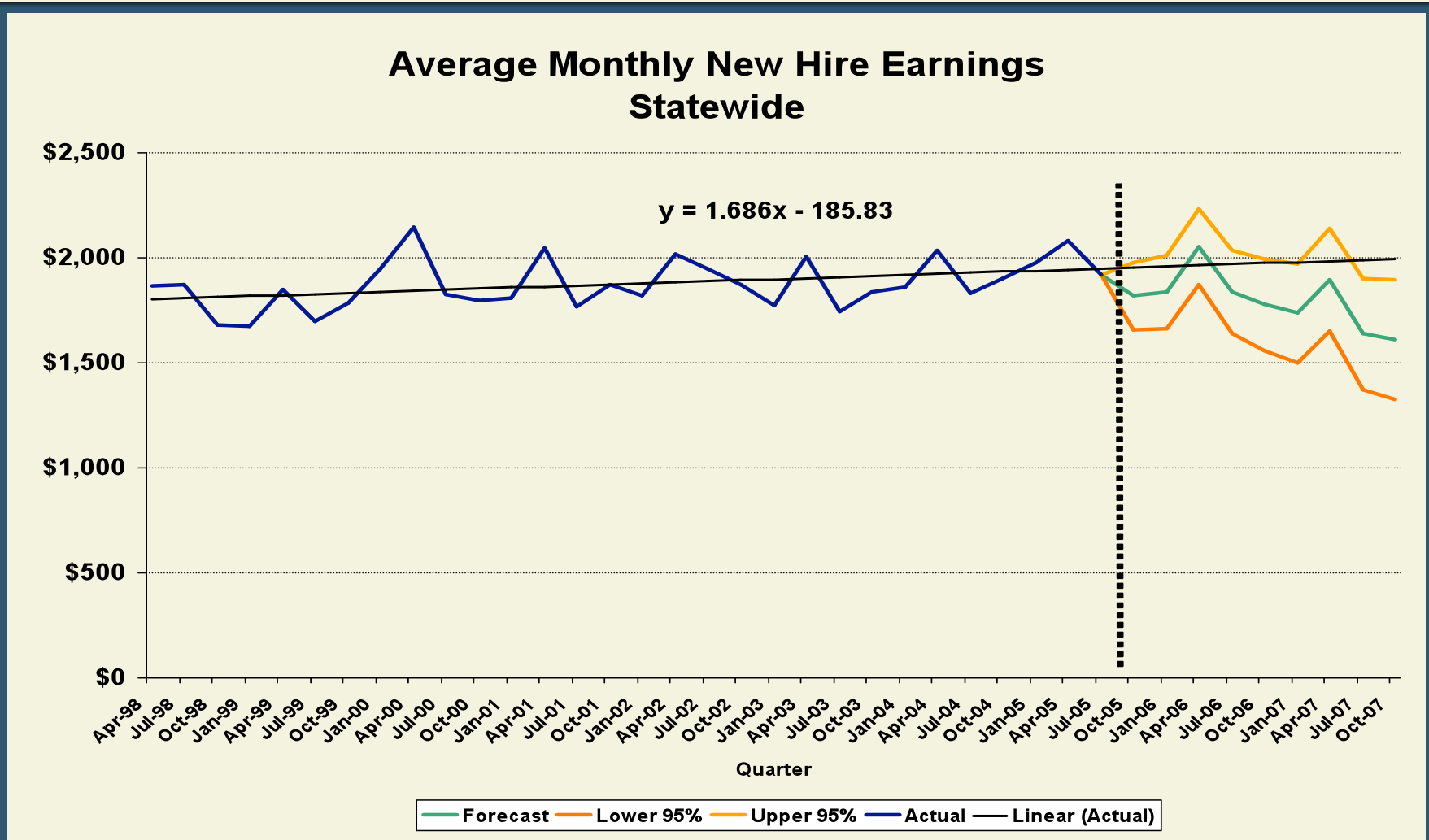
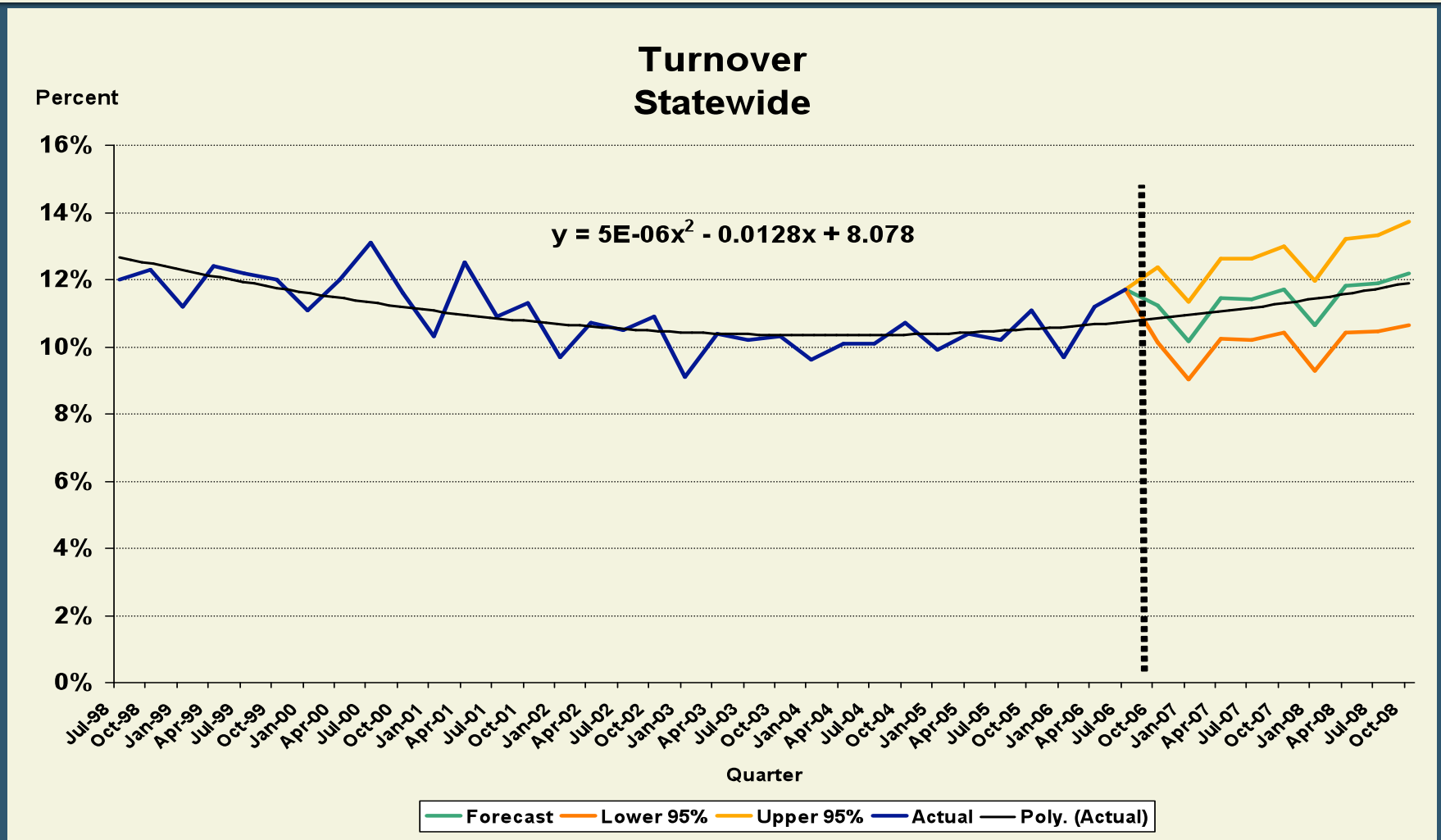

Average Monthly Earnings
Statewide
y = 0.0122x² - 24.046x + 13987
$4,000
$3,500
$3,000
$2,500
$2,000
$1,500
$1,000
$500
$0
Apr-98 Jul-98 Oct-98 Jan-99 Apr-99 Jul-99 Oct-99 Jan-00 Apr-00 Jul-00 Oct-00 Jan-01 Apr-01 Jul-01 Oct-01 Jan-02 Apr-02 Jul-02 Oct-02 Jan-03 Apr-03 Jul-03 Oct-03 Jan-04 Apr-04 Jul-04 Oct-04 Jan-05 Apr-05 Jul-05 Oct-05 Jan-06 Apr-06 Jul-06 Oct-06 Jan-07 Apr-07 Jul-07 Oct-07 Jan-08 Apr-08 Jul-08 Oct-08
Quarter
Forecast
Lower 95%
Upper 95%
Actual
Poly. (Actual)


Average Monthly New Hire Earnings
Statewide
y = 1.686x - 185.83
$2,500
$2,000
$1,500
$1,000
$500
$0
Apr-98
Jul-98
Oct-98
Jan-99
Apr-99
Jul-99
Oct-99
Jan-00
Apr-00
Jul-00
Oct-00
Jan-01
Apr-01
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Jan-06
Apr-06
Jul-06
Oct-06
Jan-07
Apr-07
Jul-07
Oct-07
Quarter
Forecast
Lower 95%
Upper 95%
Actual
Linear (Actual)


Turnover
Statewide
Percent
16%
14%
12%
10%
8%
6%
4%
2%
0%
y = 5E-06x2 - 0.0128x + 8.078
Jul-98
Oct-98
Jan-99
Apr-99
Jul-99
Oct-99
Jan-00
Apr-00
Jul-00
Oct-00
Jan-01
Apr-01
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Jan-06
Apr-06
Jul-06
Oct-06
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Quarter
Forecast
Lower 95%
Upper 95%
Actual
Poly. (Actual)

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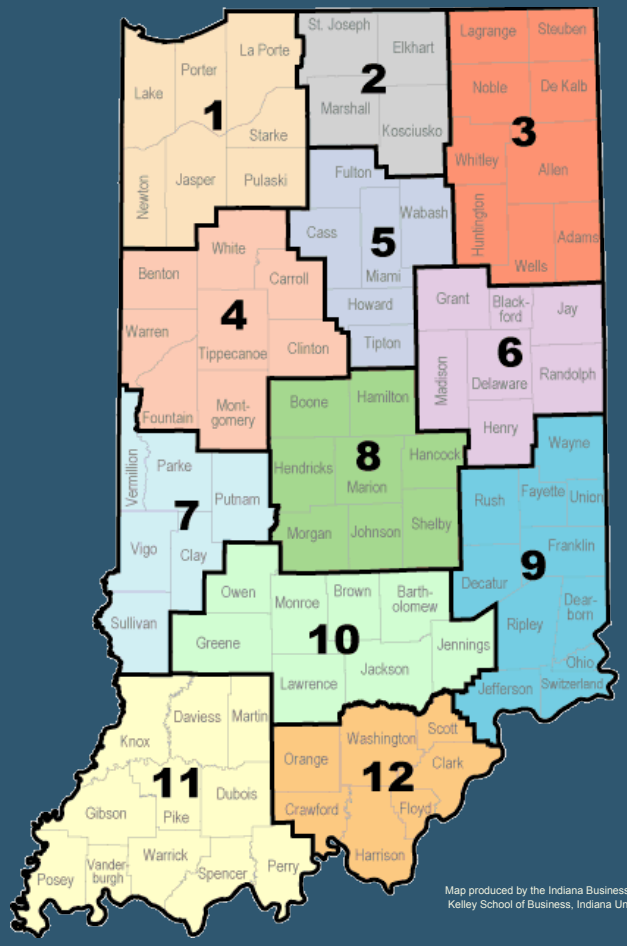
Workforce Investment Planning Regions



Map produced by the Indiana Business Research Center,
Kelley School of Business, Indiana University, December 2004

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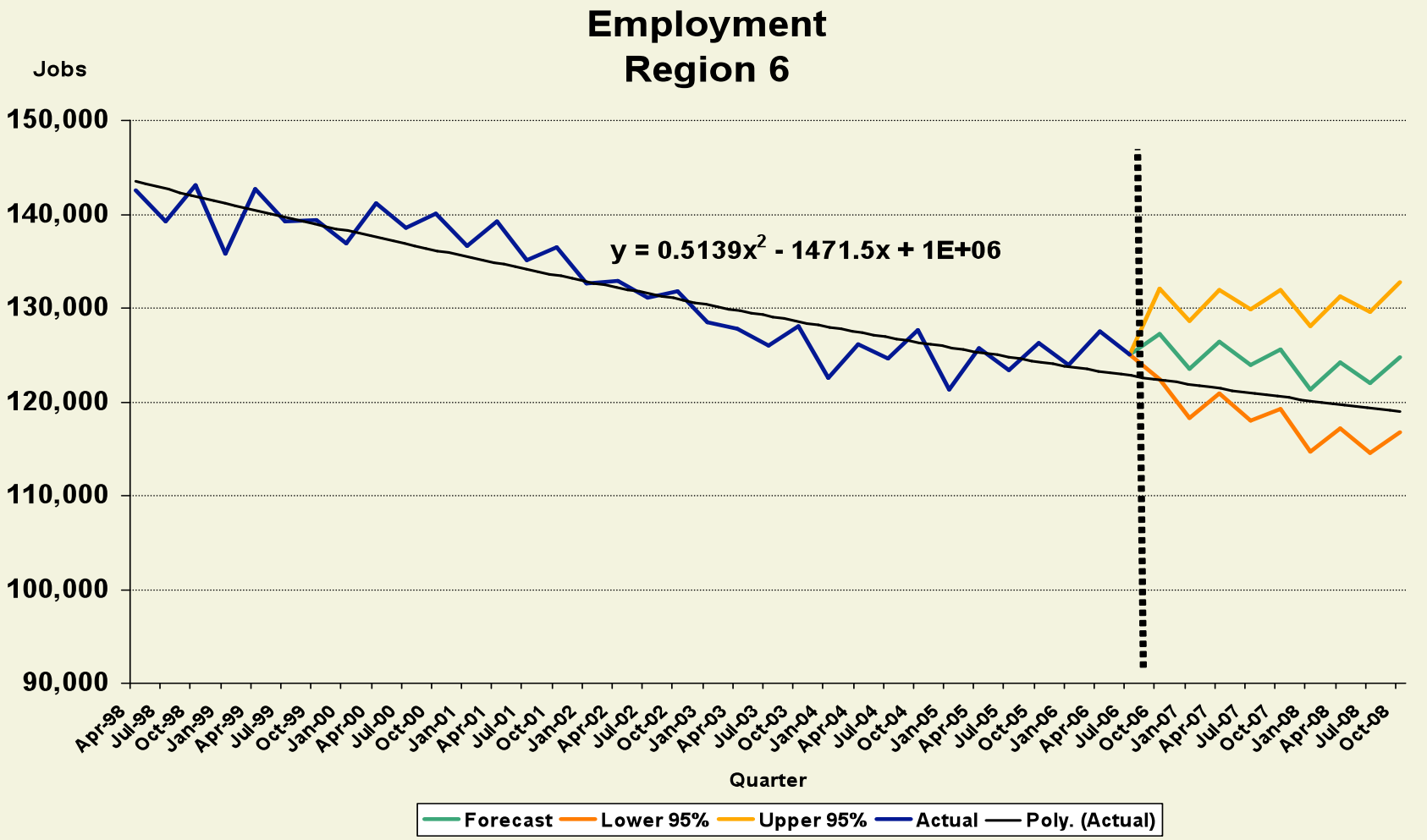
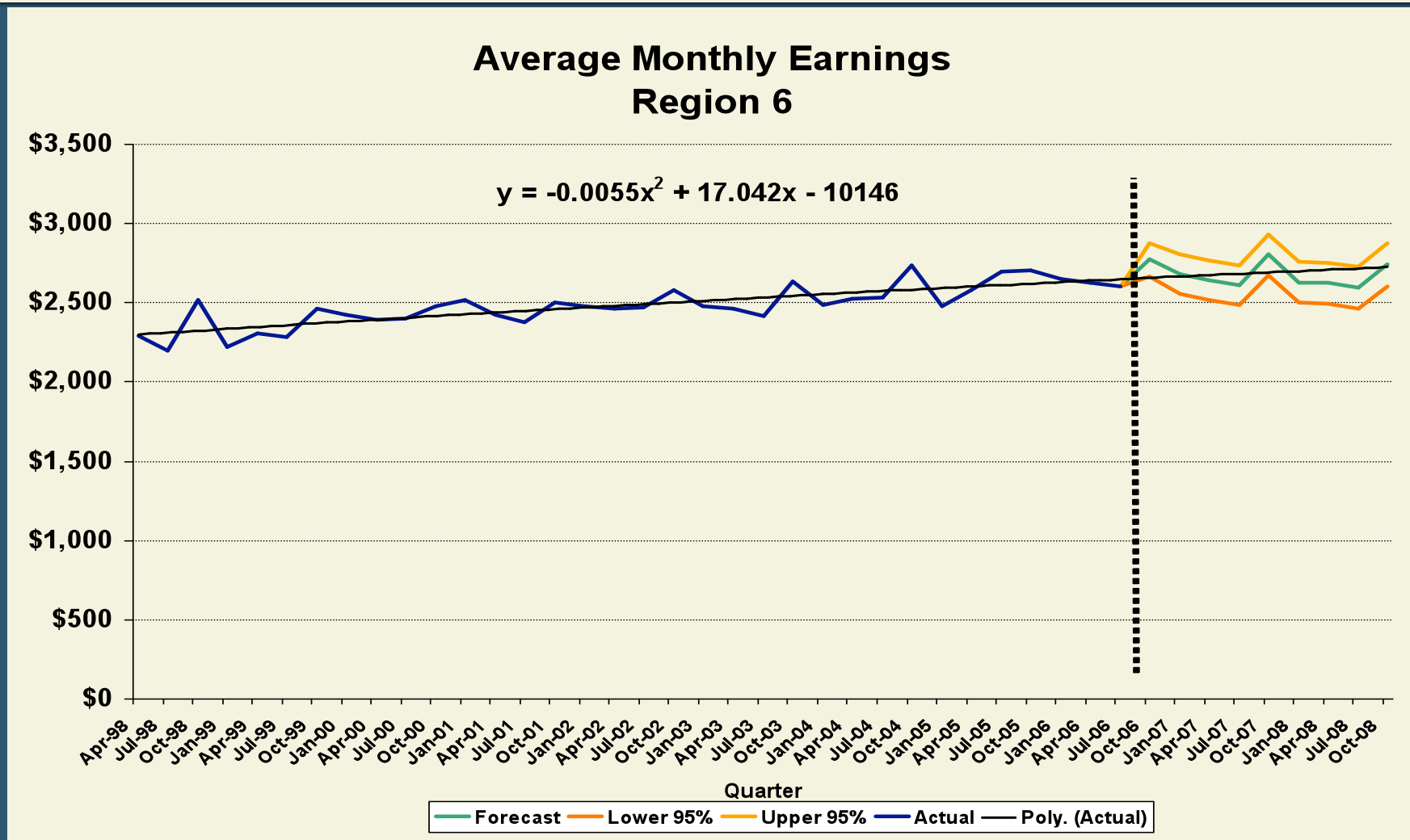
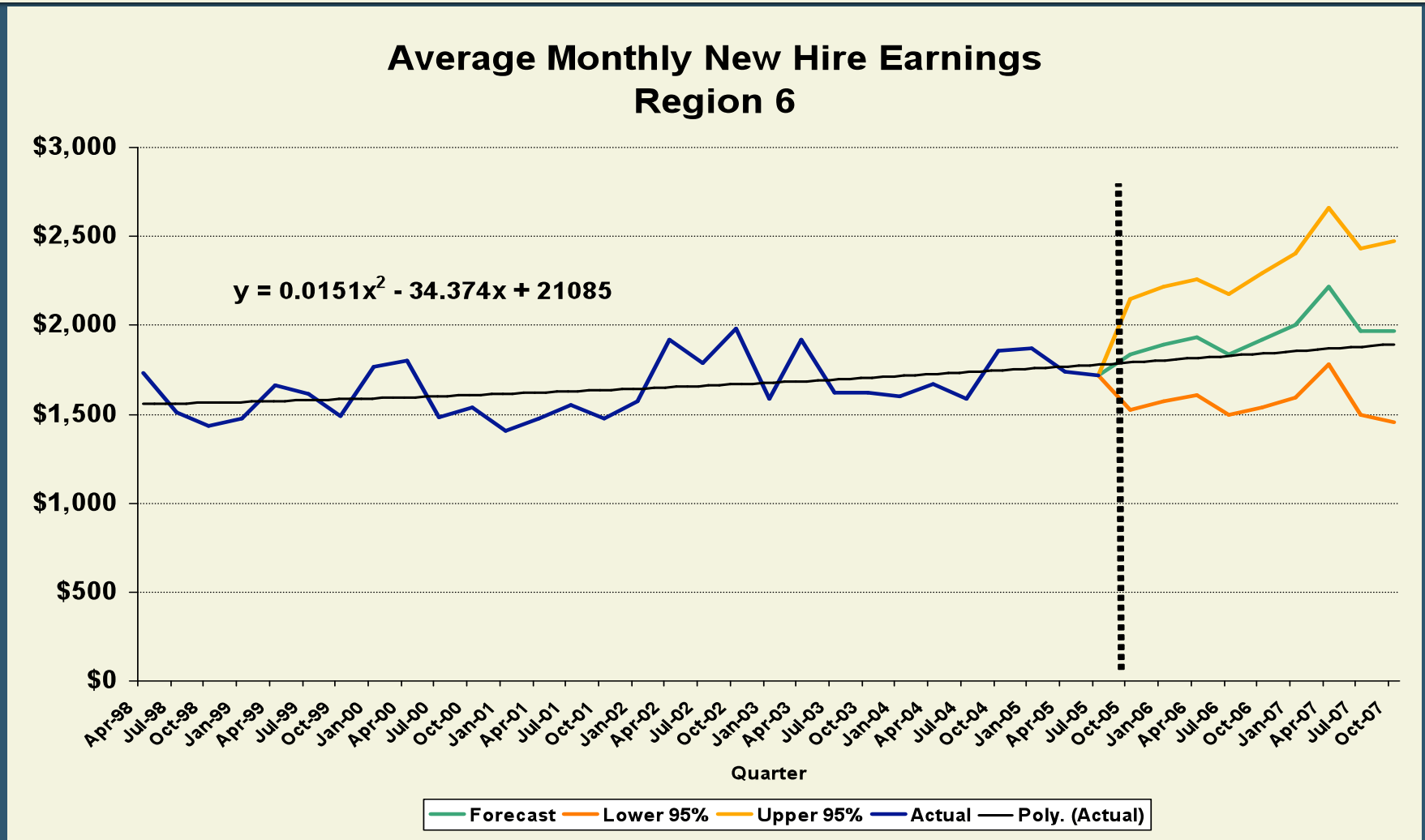

Employment
Region 6
Jobs
150,000
140,000
130,000
120,000
110,000
100,000
90,000
y = 0.5139x2 - 1471.5x + 1E+06
Apr-98
Jul-98
Oct-98
Jan-99
Apr-99
Jul-99
Oct-99
Jan-00
Apr-00
Jul-00
Oct-00
Jan-01
Apr-01
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Jan-06
Apr-06
Jul-06
Oct-06
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Quarter
Forecast
Lower 95%
Upper 95%
Actual
Poly. (Actual)


Average Monthly Earnings
Region 6
y = -0.0055x2 + 17.042x - 10146
$3,500
$3,000
$2,500
$2,000
$1,500
$1,000
$500
$0
Apr-98 Jul-98 Oct-98 Jan-99 Apr-99 Jul-99 Oct-99 Jan-00 Apr-00 Jul-00 Oct-00 Jan-01 Apr-01 Jul-01 Oct-01 Jan-02 Apr-02 Jul-02 Oct-02 Jan-03 Apr-03 Jul-03 Oct-03 Jan-04 Apr-04 Jul-04 Oct-04 Jan-05 Apr-05 Jul-05 Oct-05 Jan-06 Apr-06 Jul-06 Oct-06 Jan-07 Apr-07 Jul-07 Oct-07 Jan-08 Apr-08 Jul-08 Oct-08
Quarter
Forecast
Lower 95%
Upper 95%
Actual
Poly. (Actual)


Average Monthly New Hire Earnings
Region 6
$3,000
$2,500
$2,000
$1,500
$1,000
$500
$0
y = 0.0151x2 - 34.374x + 21085
Apr-98
Jul-98
Oct-98
Jan-99
Apr-99
Jul-99
Oct-99
Jan-00
Apr-00
Jul-00
Oct-00
Jan-01
Apr-01
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Jan-06
Apr-06
Jul-06
Oct-06
Jan-07
Apr-07
Jul-07
Oct-07
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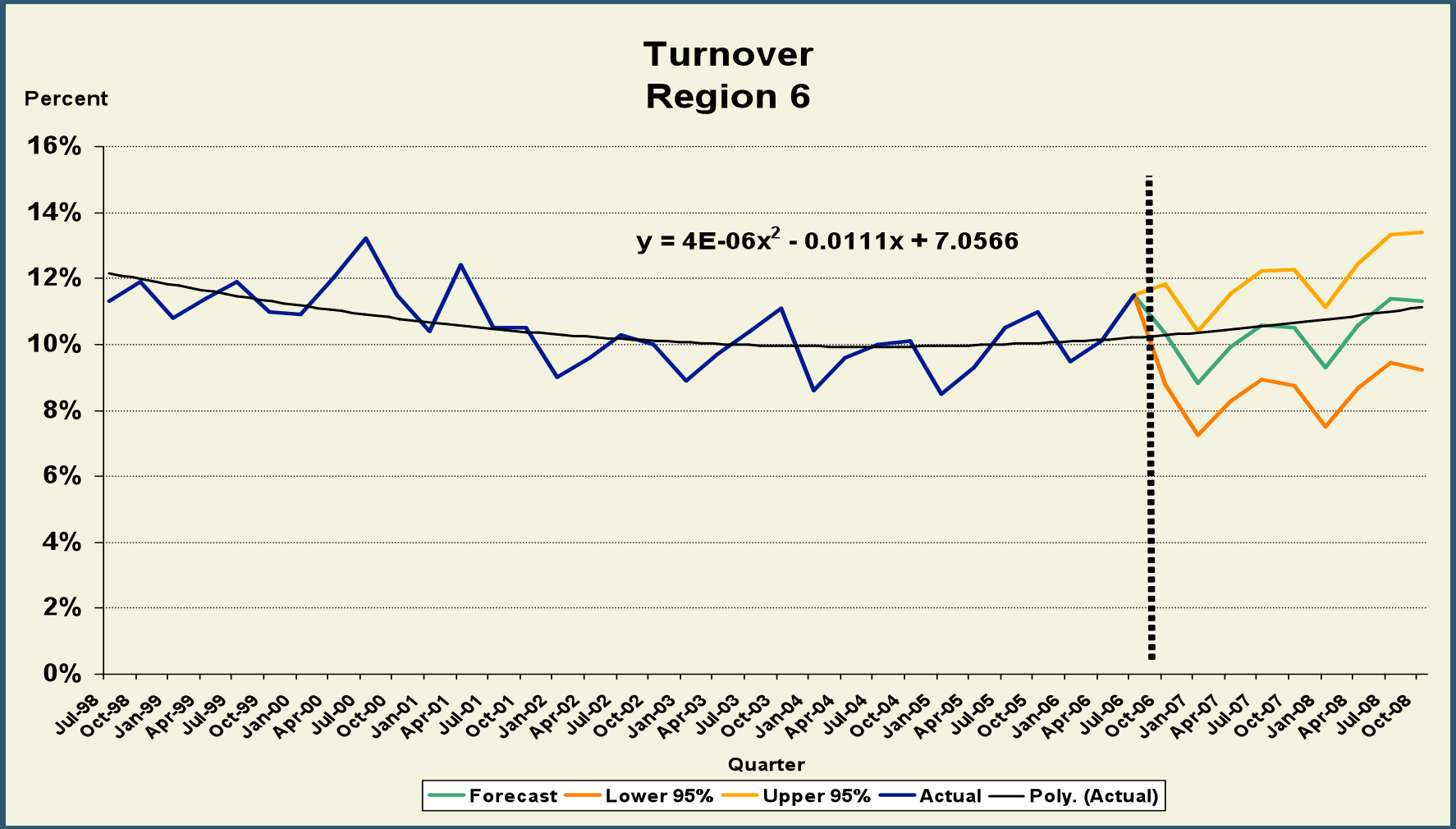
Turnover
Region 6
Percent
16%
14%
12%
10%
8%
6%
4%
2%
0%
y = 4E-06x2 - 0.0111x + 7.0566
Jul-98
Oct-98
Jan-99
Apr-99
Jul-99
Oct-99
Jan-00
Apr-00
Jul-00
Oct-00
Jan-01
Apr-01
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
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Jan-05
Apr-05
Jul-05
Oct-05
Jan-06
Apr-06
Jul-06
Oct-06
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
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