

Virginia Municipal League Economic Update: Will We See a Double Dip?

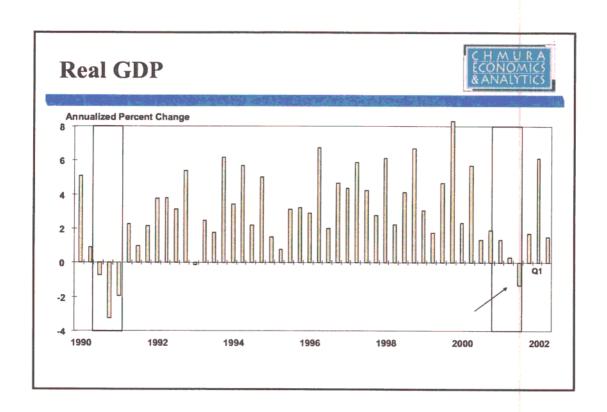
October 22, 2002

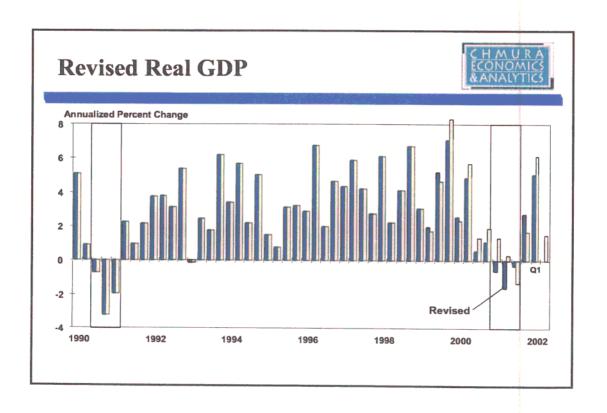
Prepared by Chmura Economics & Analytics www.chmuraecon.com

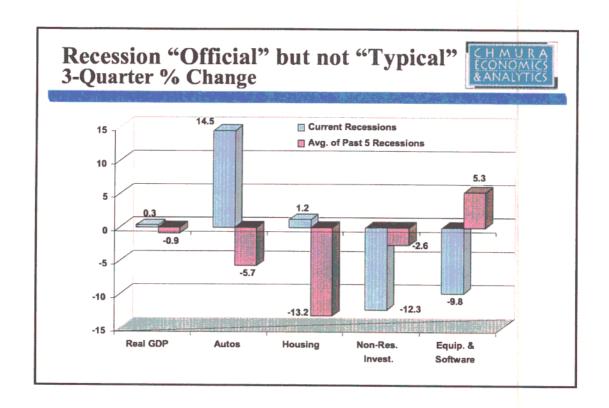
Overview

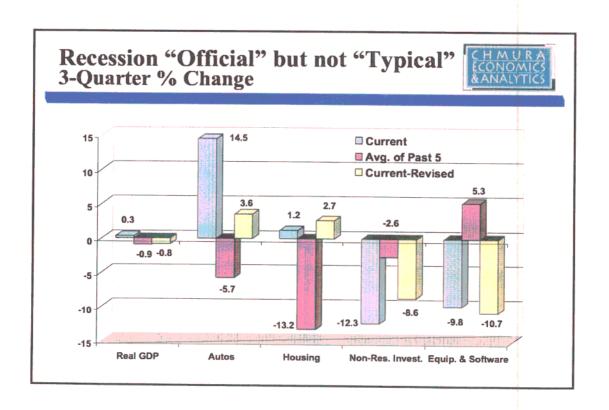


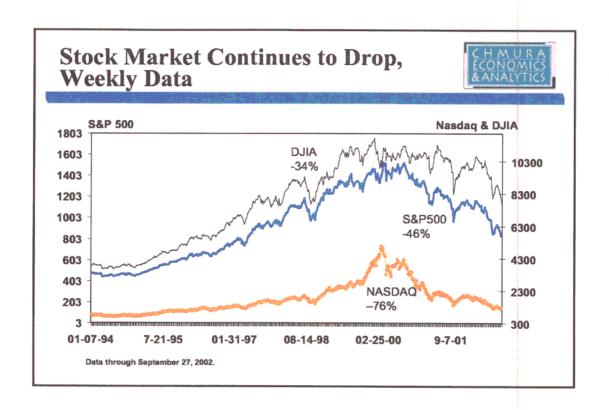
- National economy is expanding, but risks remain on the downside
 - High-tech sector struggling
 - Corporate accounting issues plaguing stock market
 - Consumer confidence is down
- Expect sluggish recovery...risk of 'double dip' rising
- Virginia growth lagging the nation
- Significant variation by region

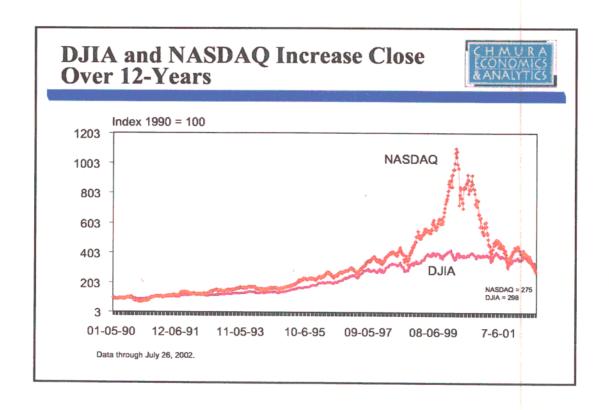


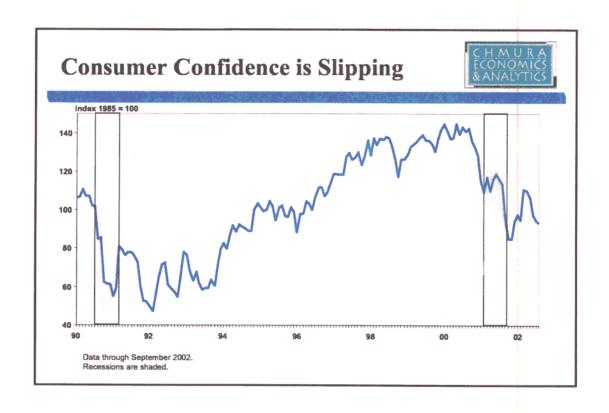


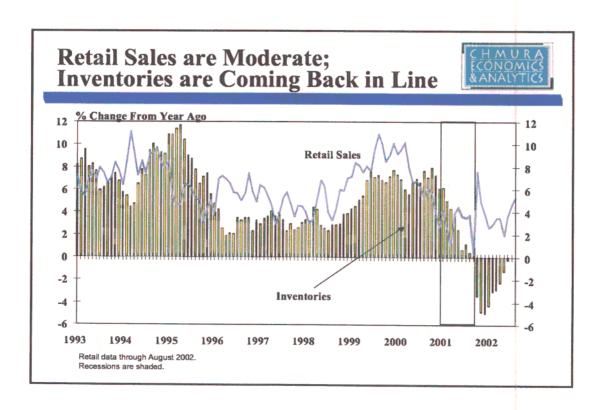


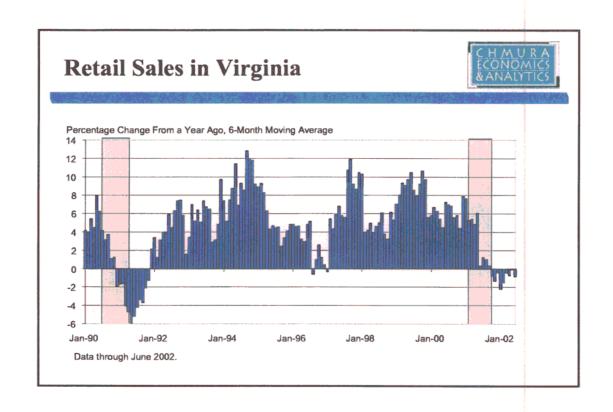


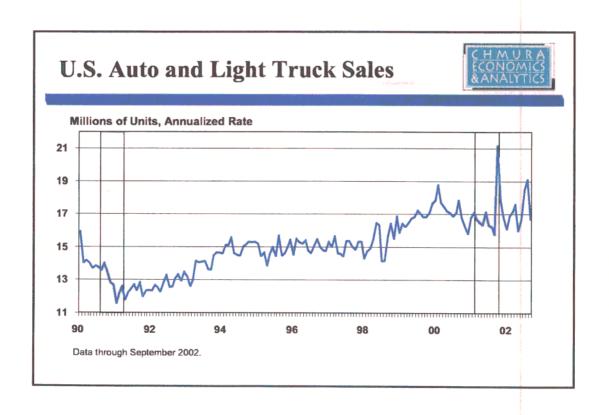


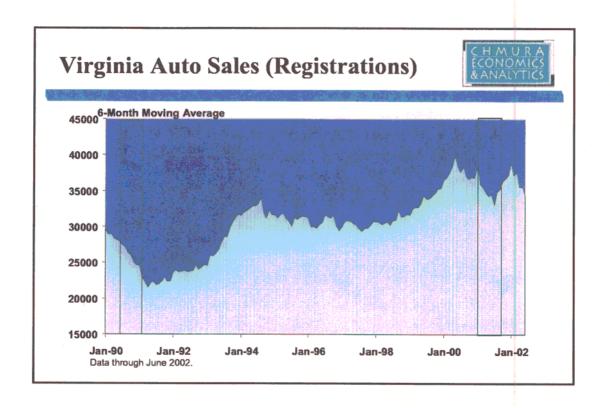


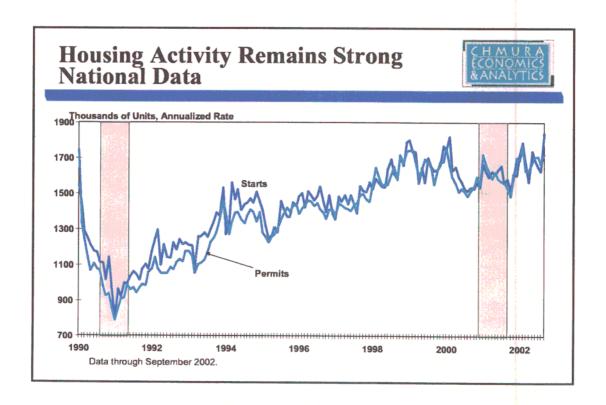


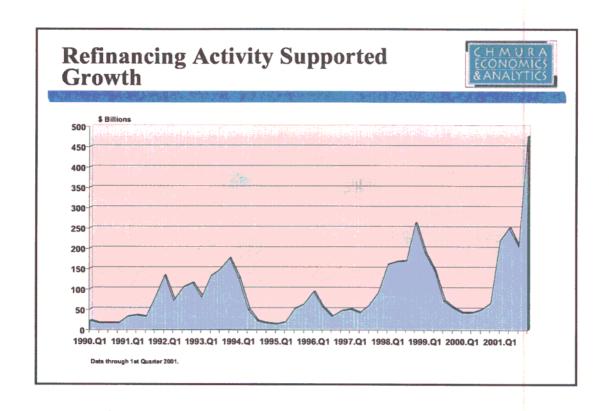


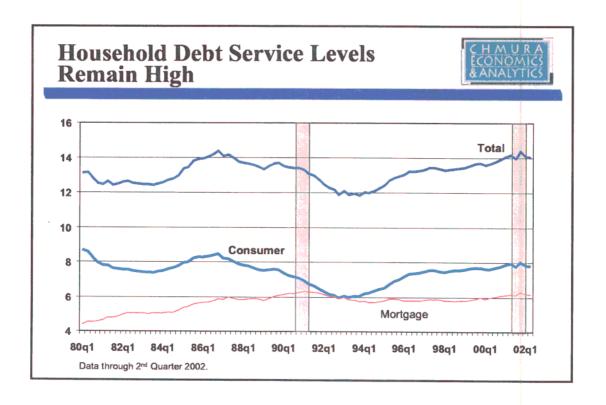


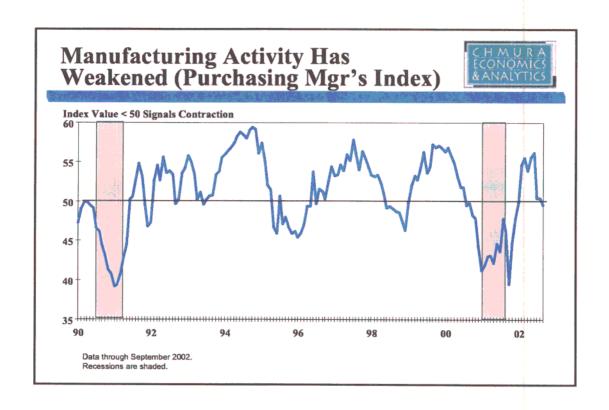


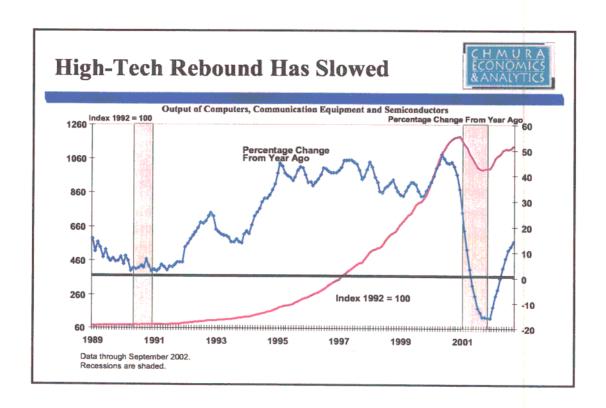








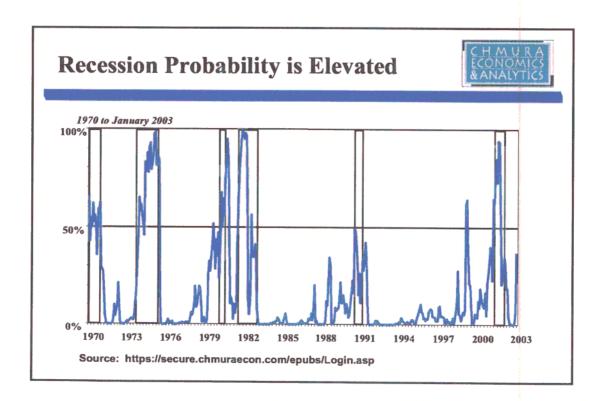


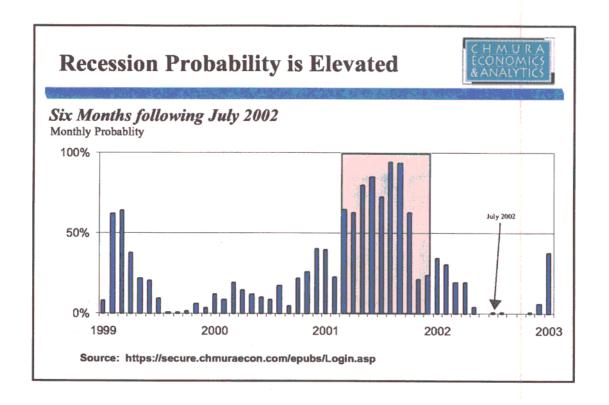


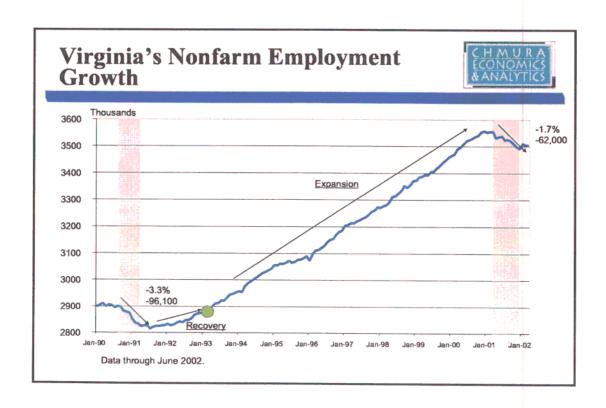
Risks of Slower-Than-Expected Growth Remain

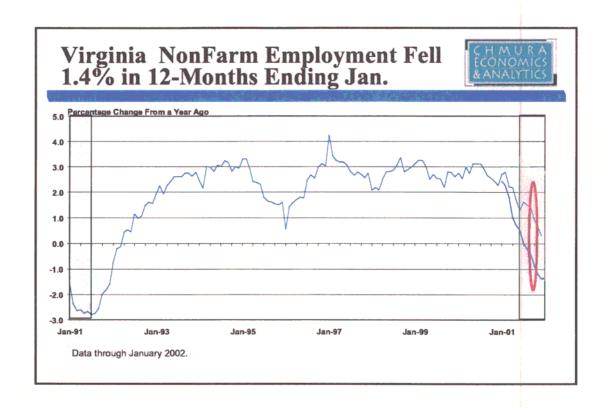


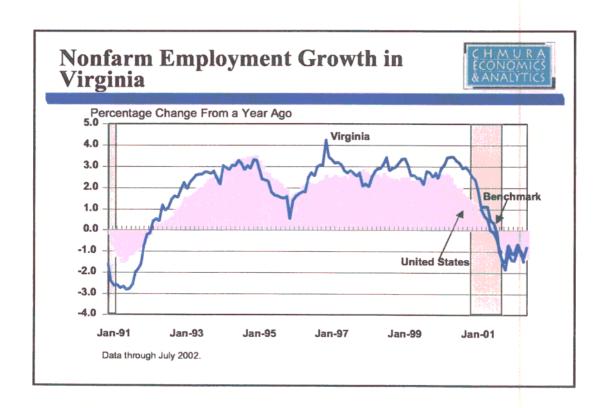
- Consumer purchases have been relatively strong
 - Low mortgage rates supported home purchases
 - Incentives accelerated purchases
 - Little pent-up demand
 - Debt loads remain high
- Corporate profits remain sluggish
 - Points to further cost cutting (layoffs)
 - Suggests capital expenditures will be delayed
- Confidence issues
 - Accounting disclosures are weighing on the stock market
 - Unemployment rates continue to rise during recovery phase
 - War in the Mid-East
- Higher oil prices reduce corporate profits/consumer purchasing power
- Risks point to lower interest rates rates

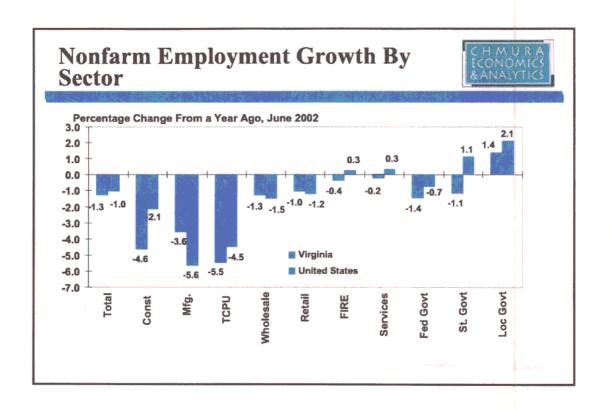


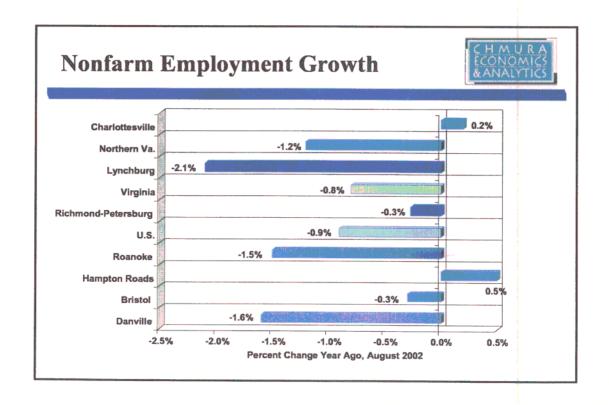








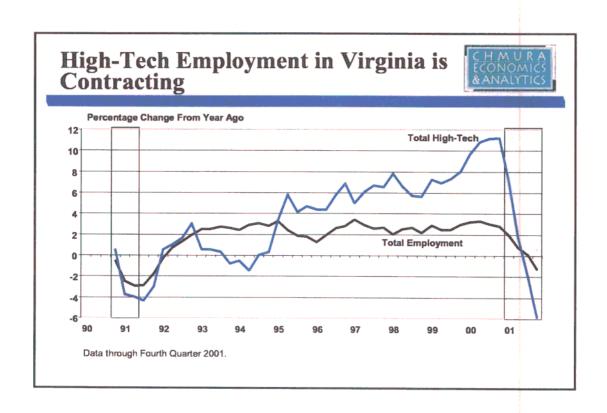


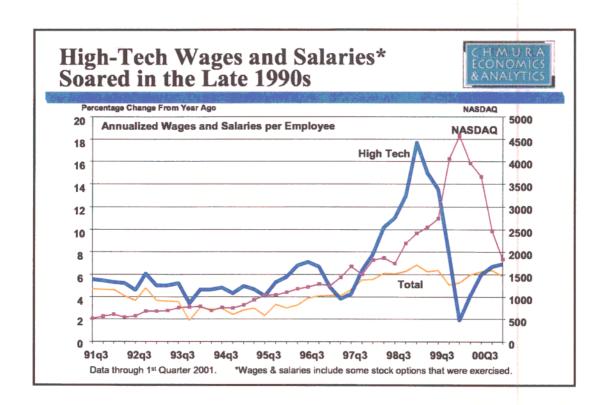


Virginia Forecast Summary: Most-Likely Scenario, Percentage Change From Year Ago



	Actual		Forecast	
Virginia	2000	2001	2002	2003
Total Nonagricultural Employment	3.1%	0.4%	-0.6%	2.3%
Wages and Salaries*	9.8%	5.4%	0.0%	2.0%
Real Retail Sales	4.5%	-1.9%	2.2%	8.39
Northern Virginia	2000	2001	2002	200
Total Nonagricultural Employment	5.8%	1.8%	-1.5%	4.59
Wages and Salaries*	15.3%	10.6%	6.5%	9.09
Real Retail Sales	8.4%	-2.1%	0.8%	11.49
Hampton Roads	2000	2001	2002	200
Total Nonagricultural Employment	1.6%	0.5%	0.5%	1.89
Wages and Salaries*	6.0%	5.1%	4.5%	5.69
Real Retail Sales	1.5%	-0.3%	8.2%	8.69
Richmond Petersburg	2000	2001	2002	200
Total Nonagricultural Employment	2.0%	0.7%	-0.3%	1.85
Wages and Salaries*	6.7%	5.5%	4.0%	6.05
Real Retail Sales	4.3%	-2.9%	4.0%	8.75
Roanoke	2000	2001	2002	200
Total Nonagricultural Employment	1.8%	-0.2%	0.8%	1.85
Wages and Salaries*	5.0%	5.2%	6.9%	7.39
Real Retail Sales	-0.7%	-2.2%	1.2%	6.91
Lynchburg	2000	2001	2002	200
Total Nonagricultural Employment	1.9%	-2.9%	-0.1%	3.09
Wages and Salaries*	4.7%	1.2%	4.7%	7.39
Real Retail Sales	2.8%	2.9%	-13.0%	12.85
Charlottesville	2000	2001	2002	200
Total Nonagricultural Employment	3.1%	-0.1%	-0.2%	4.29
Wages and Salaries*	9.4%	4.4%	6.9%	6.49
Roal Retail Sales	3.8%	-1.2%	1.9%	8.59





High-Tech "Income*" is Contracting in Northern Virginia Northern Virginia Employment Wages and Salaries Thousands of Dollars* Industry 2000Q4 2001Q4 Change Change 2000Q4 Change 2001Q4 Change **Total Employment** 1,160,404 1,149,551 -10,853 -0.9 14,200,109 14,477,798 **Total High Technology** 205,349 195,319 -10,030 -4.9 4,112,511 4,072,071 -40,439 -1.0 481 Telephone communications 27,844 29,420 1,576 5.7 555,153 563,467 1.5 871 Engineering and architectural services 29,876 30,267 392 1.3 515,203 555,733 40,530 7.9 737 Computer and data processing services 123,717 111,874 -11,844 -9.6 2,661,847 2,549,484 -4.2 -112.363 873 Research, development, testing services 13,832 12,286 -1,545 -11.2 231,133 222,229 Data through Fourth Quarter 2001. *Includes some options that were exercised.

Conclusions:



- The recovery in the nation expected to continue but slow in quarters 3 and 4...Overcapacity in high-tech industries remains an issue
 - Corporate accounting disclosures and global uncertainty weighing heavy on the stock market
 - Risks remain for slower-than-expected growth (war; further stock market decline)
 - · Fed may leave rates low, longer than expected
 - · Consumer and business spending are key
- Virginia tracks national growth
- Copy of Presentation: www.chmuraecon.com