This Recovery is for Real: Solid, Sustainable, but Sub-Par

Washington Association of Money Managers

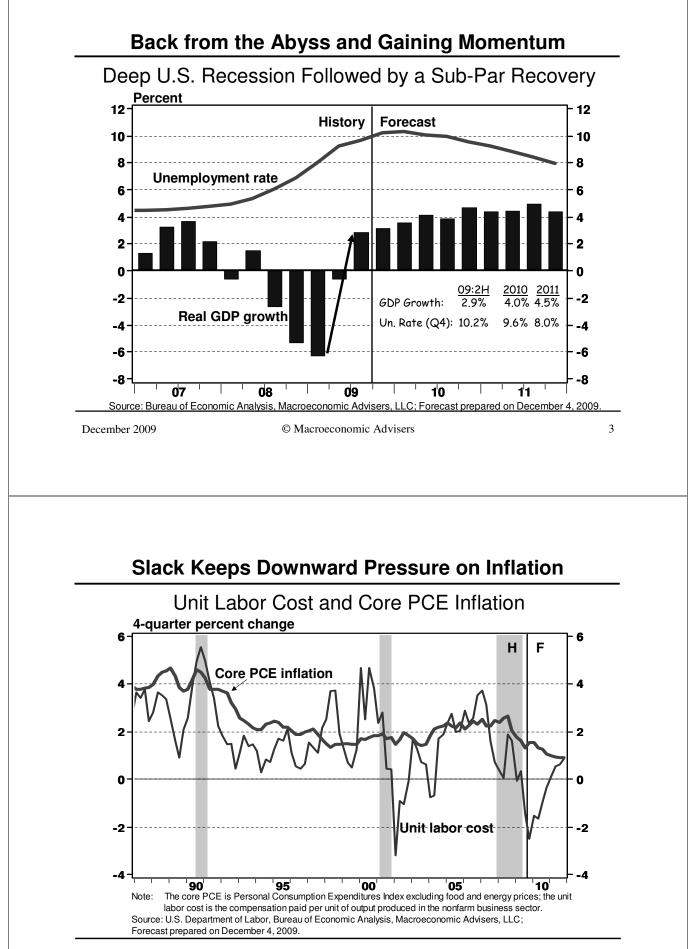
Washington, DC December 9, 2009

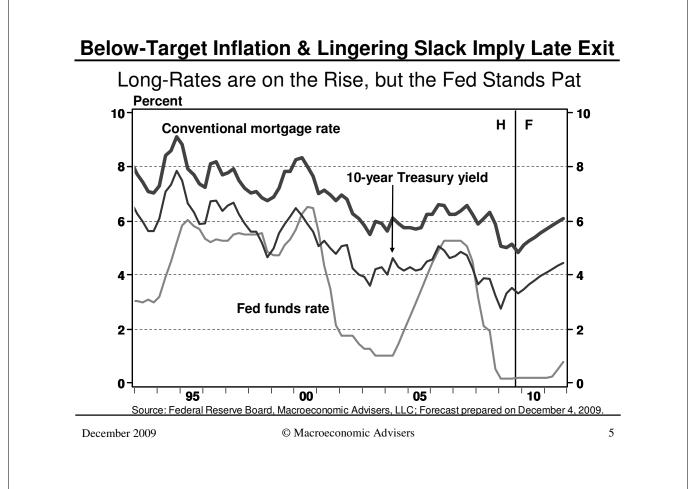
Chris Varvares, President Macroeconomic Advisers, LLC www.macroadvisers.com

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The US Economic Outlook: Bottom Line

- Above-trend growth in 2nd half of 2009: 2.9% (a.r.)
- Downside risks continue to shrink; upside risks emerge
- Robust (but sub par) growth in 2010 (4.0%↑) & 2011 (4.5%↑)
- Unemployment rate peaks at 10.3% in 2010:q1
- Unemployment rate declines to 9.6% in '10:q4 and to 8.0% in '11:q4
- Core inflation very low: =1.5% in 2009, ≅ 1.1 in 2010 & ≅ 0.9 in 2011
- Revised higher relative to recent forecasts --- but still below FOMC
- Fed: Still expecting a late exit; but will "end easing" long before
- Fiscal: Stimulus working for now; getting control of the deficit later



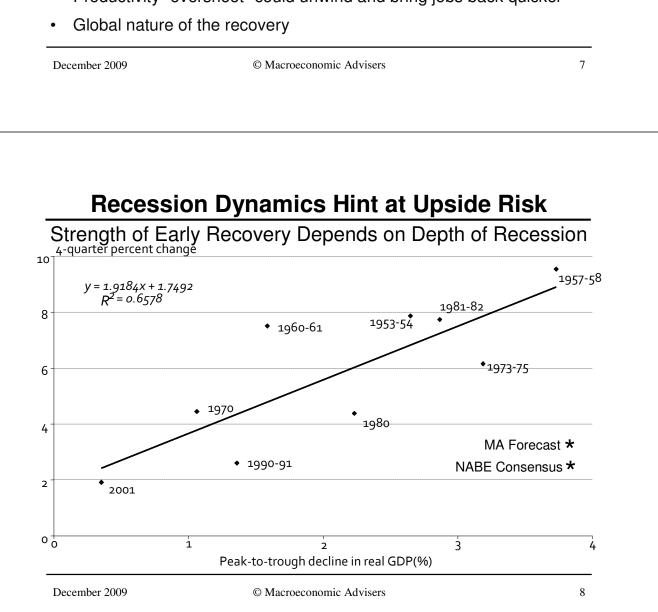


Forecast Comparison

	<u>09Q3</u>	<u>09Q4</u>	<u>10Q1</u>	<u>10Q2</u>	<u>2009</u>	<u>2010</u>		
GDP Growth				Q4/Q4				
MacroAdvisers (Dec 3)	2.8	3.1	3.5	4.1	(-0.4	4.0		
Blue Chip (Dec 10)	2.8	2.8	2.8	2.8	-0.5	2.9		
			FOMC	CT (Nov)	-0.40.1 2.5-3.			
PCE Growth					Q4/Q4			
MacroAdvisers	2.9	1.9	2.9	2.9	1.1	3.2		
Blue Chip	2.9	1.5	1.7	2.0	1.0	2.1		
Unemployment Rate					Q4 Average			
MacroAdvisers	9.6	10.2	10.3	10.1	10.2	9.6		
Blue Chip	9.6	10.2	10.3	10.2	10.2	9.9		
			FOMC	CT (Nov)	9.9-10.1 9.3-9.7			
GDP Price Inflation				. ,	Q4/Q4			
MacroAdvisers	0.5	0.9	1.1	1.0	0.8	1.0		
Blue Chip	0.5	1.4	1.5	1.3	0.9	1.5		
Fed Funds Rate					Q4 Average			
MacroAdvisers	0.16	0.20	0.20	0.20	0.20	0.20		
Blue Chip*	0.16	0.20	0.20	0.25	0.20	0.75		
10-yr Note Yield					Q4 Average			
MacroAdvisers	3.52	3.33	3.49	3.65	3.33	3.95		
Blue Chip	3.52	3.4	3.5	3.7	3.4	4.1		
* Inferred from t-bill yield	-							

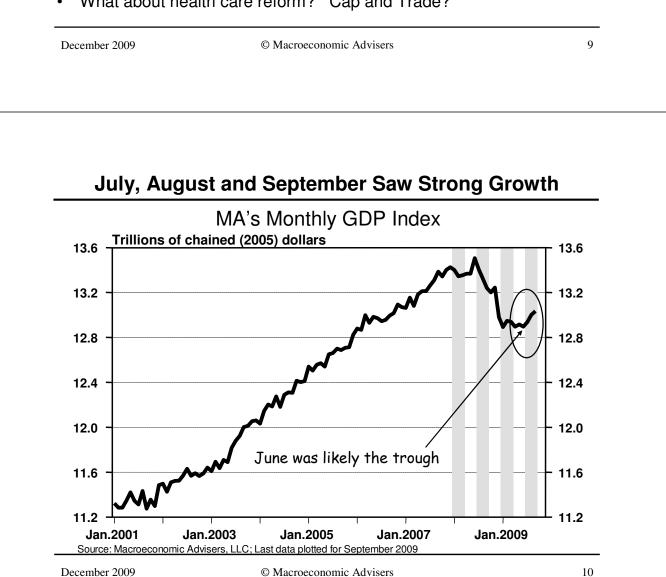
Factors Contributing to Above-Trend GDP Growth

- Motor-vehicle production rebound (with or without C.A.R.S.)
- Inventory liquidation to slow sharply; X-auto: Q4=+\$64b, Q1=+\$27b *
- ARRA actually is providing stimulus
- Housing bounces off the bottom, <u>begins strong recovery</u>*
- Home prices are stabilizing, to remain flat (emergence of upside risk?)
- Broad financial conditions improving: ★
 - Especially equities
 - But spreads have narrowed also
- Implies improving balance sheets for households
- Helps stabilize & then boost consumer spending (pent-up demand!)
- Productivity "overshoot" could unwind and bring jobs back quicker



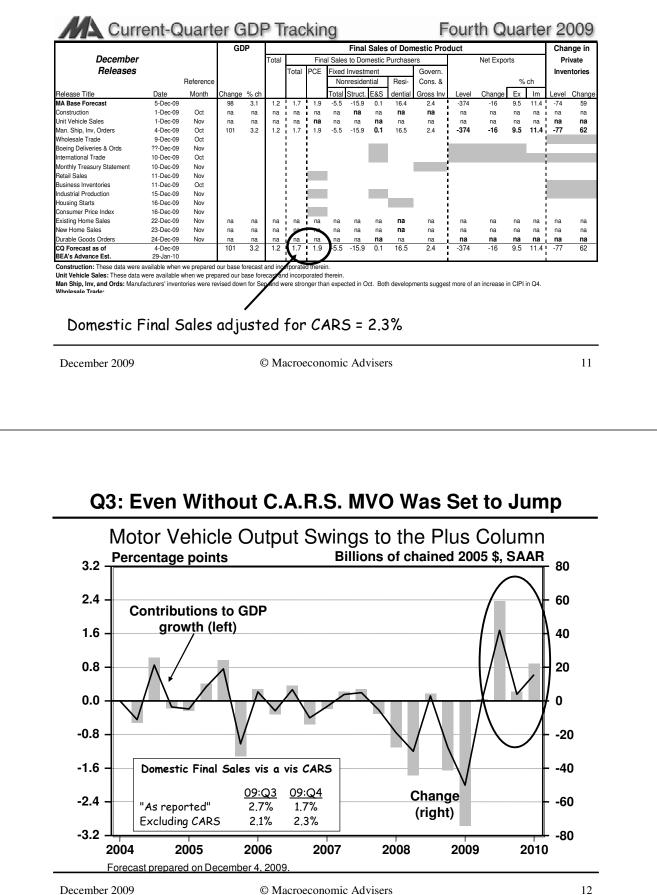
Significant Downside Risks Remain

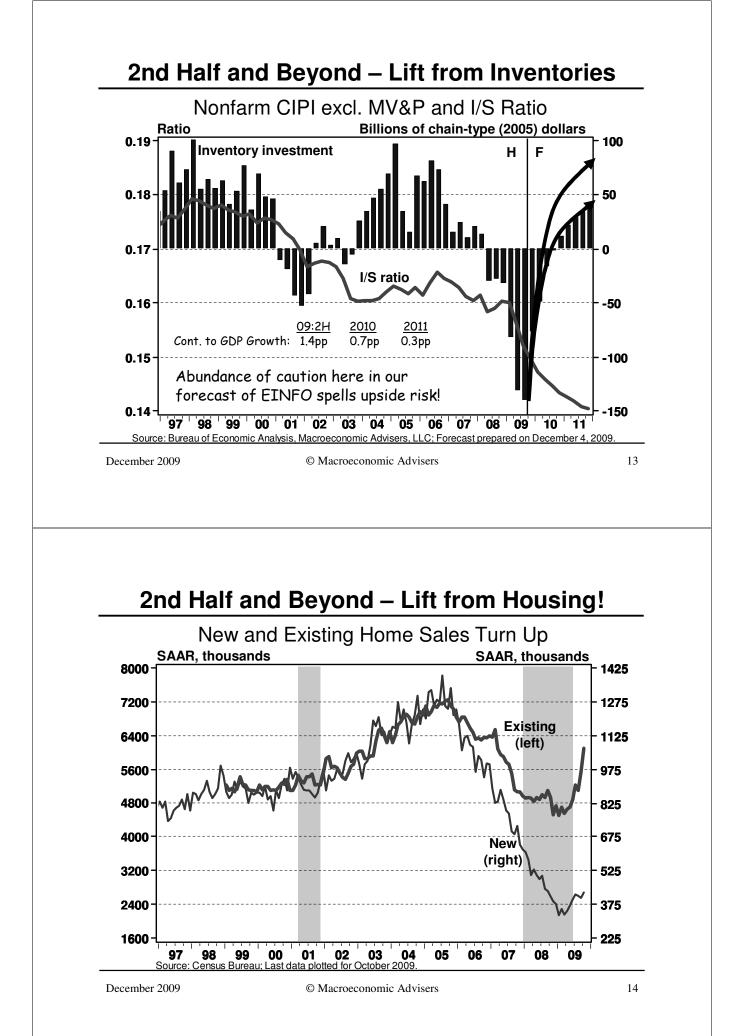
- Securitization markets in key segments still "dependent" or broken
- CMBS market still facing a refi squeeze, with spillovers to banks
- RMBS spreads may widen sharply as Fed unwinds balance sheet
- Bank lending to consumer remains stingy; More HH de-leveraging?
- Foreclosures threaten home price stabilization; prices could turn down
- Recovery in equities could falter; further erode HH balance sheets
- Energy price increases still are a drag on growth; could be worse
- Foreign demand for \$ assets could fall short, pressure \downarrow and rates
- Expiring Bush tax cuts could add drag ... uncertain as to when
- Back side of ARRA stimulus implies drag; will recovery have legs?
- What about health care reform? Cap and Trade?

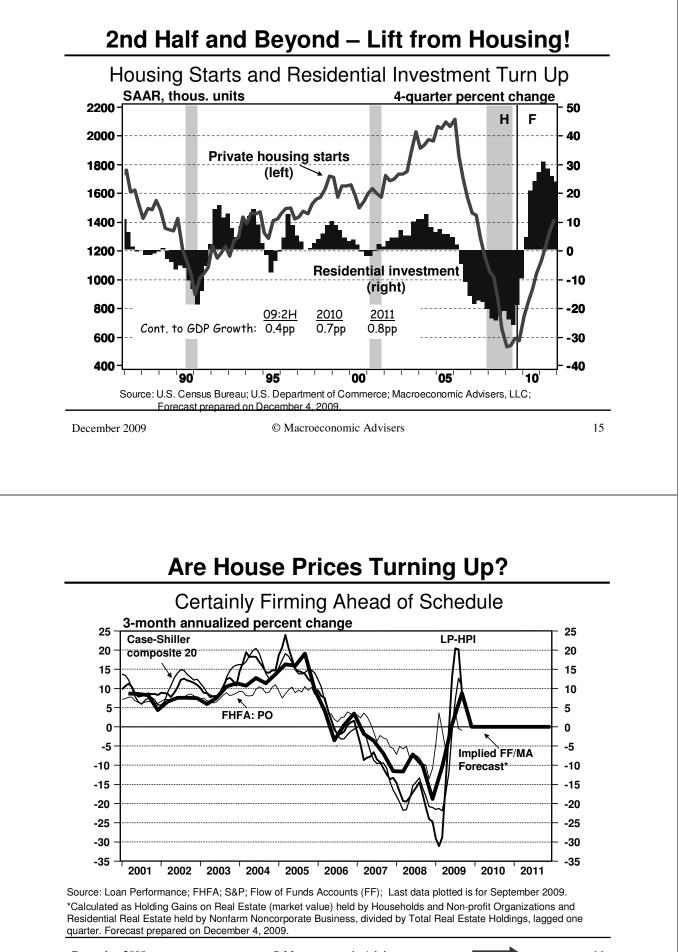


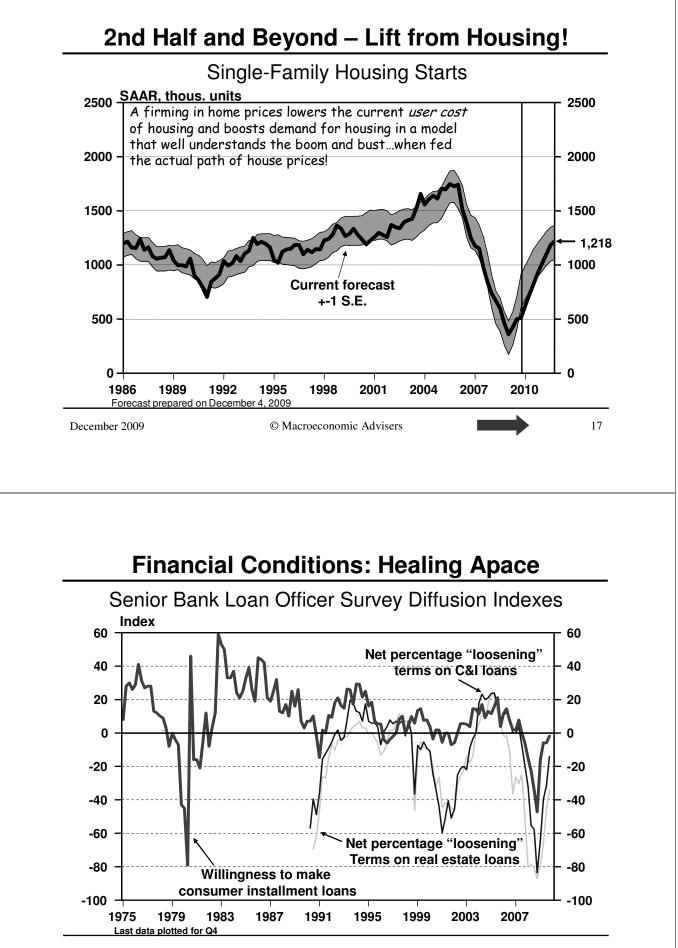
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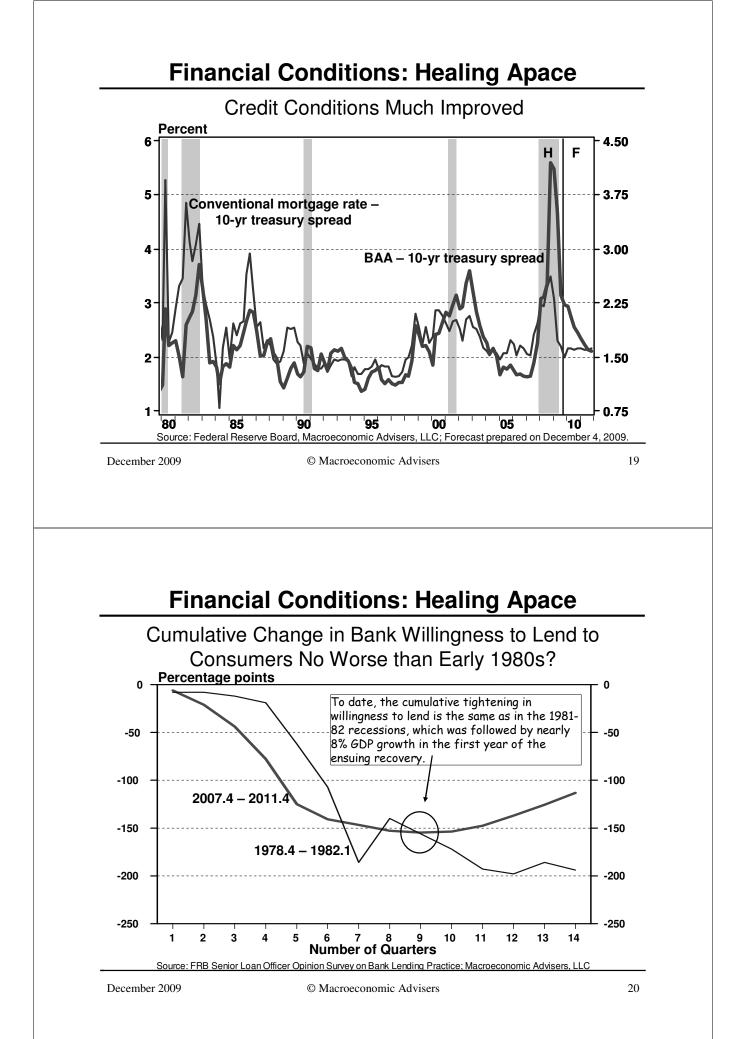
Q4:A Solid Second Quarter of Recovery

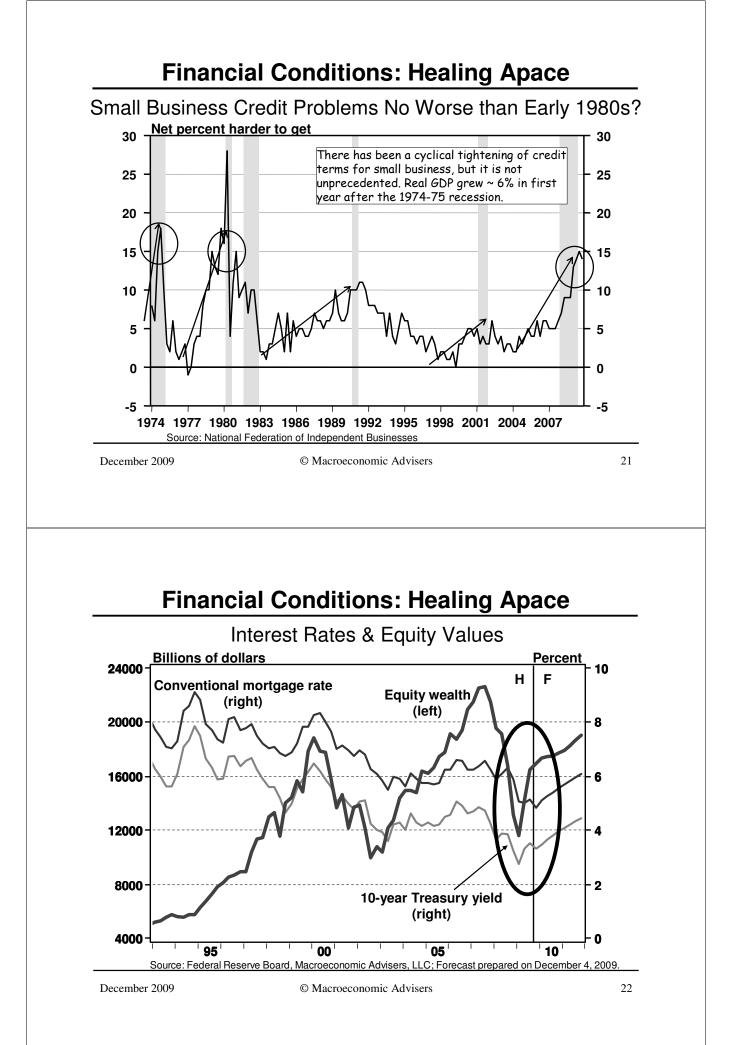


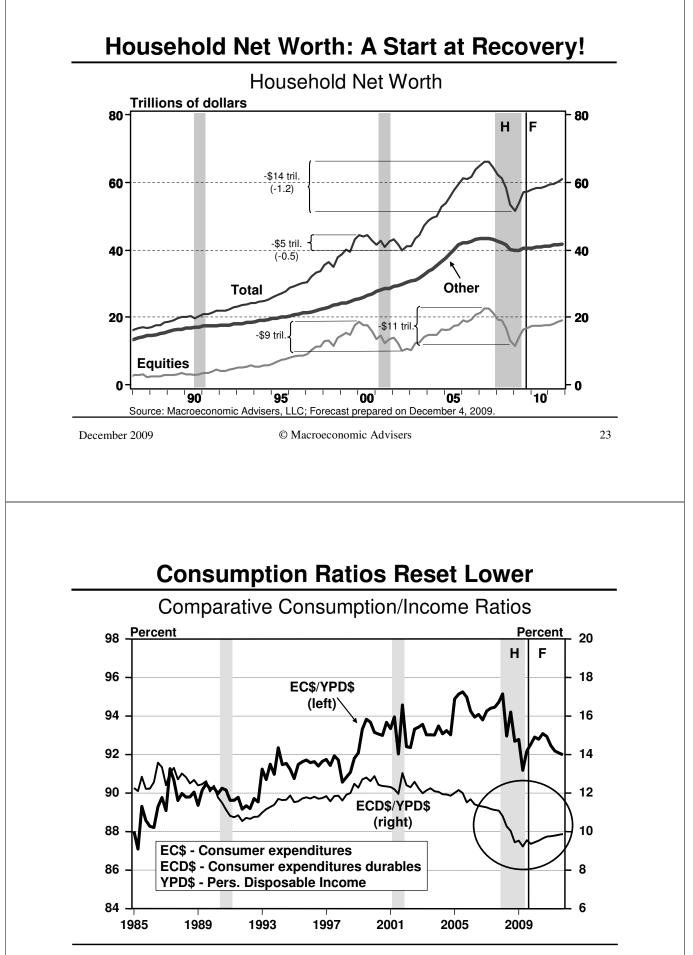


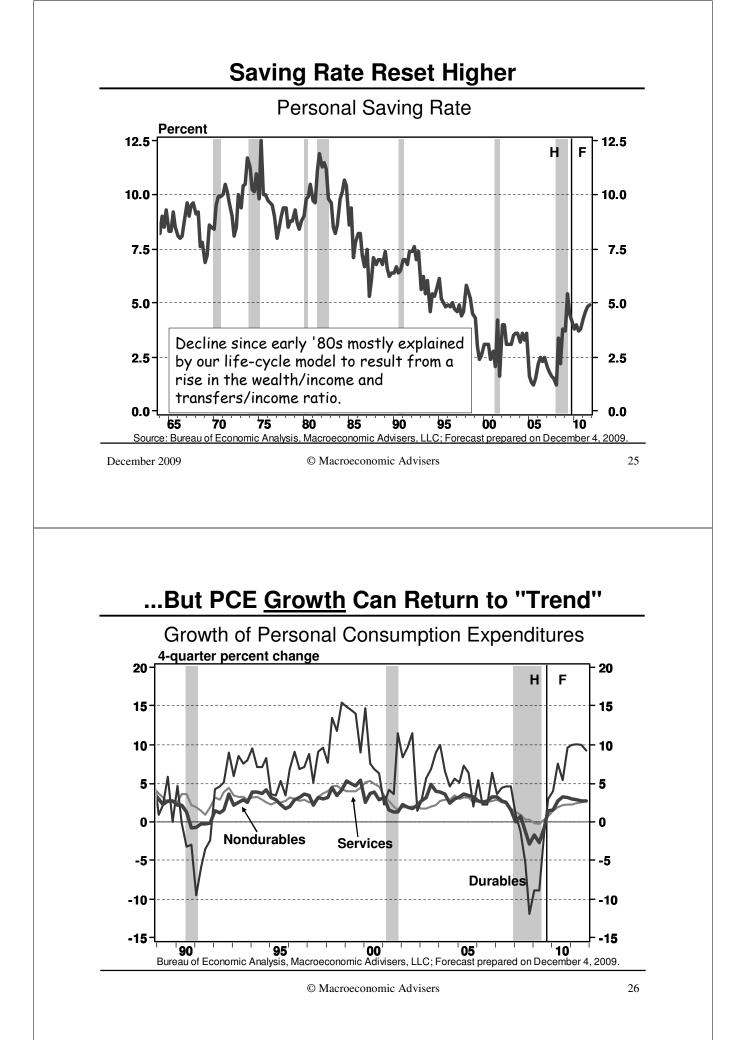


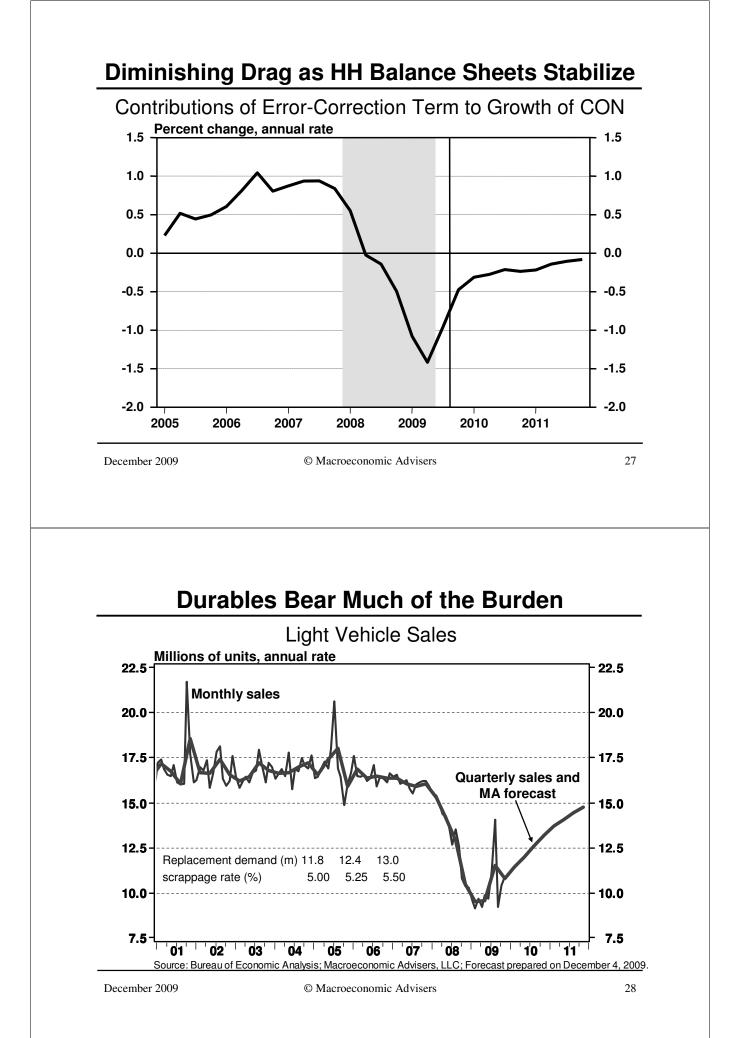


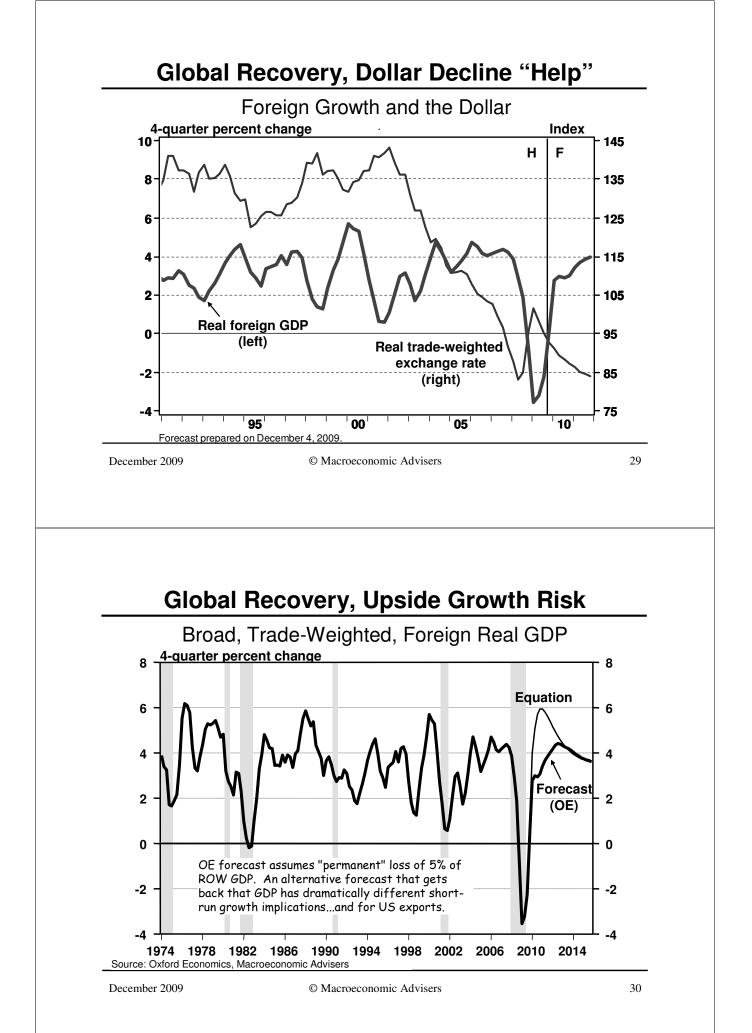


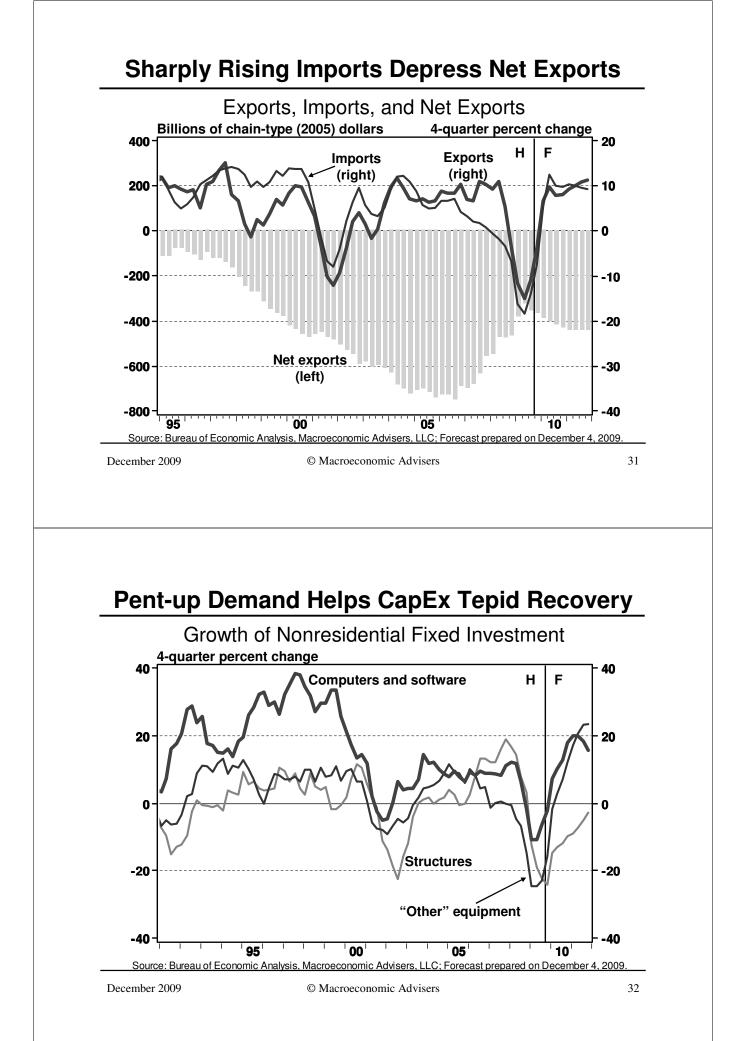


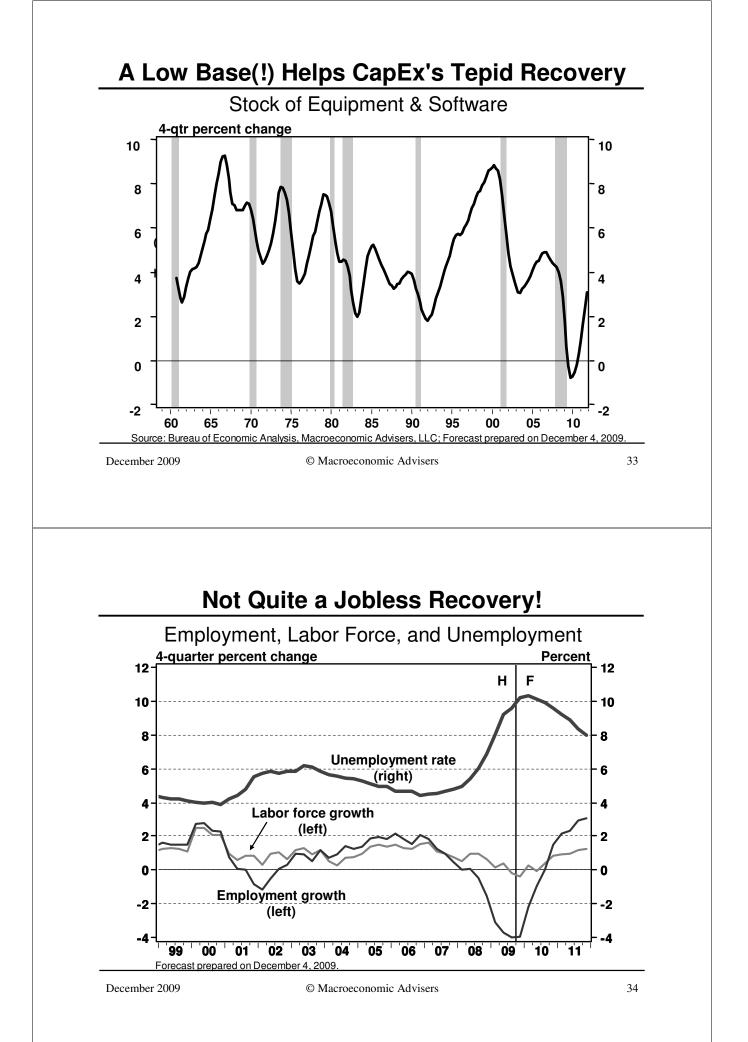


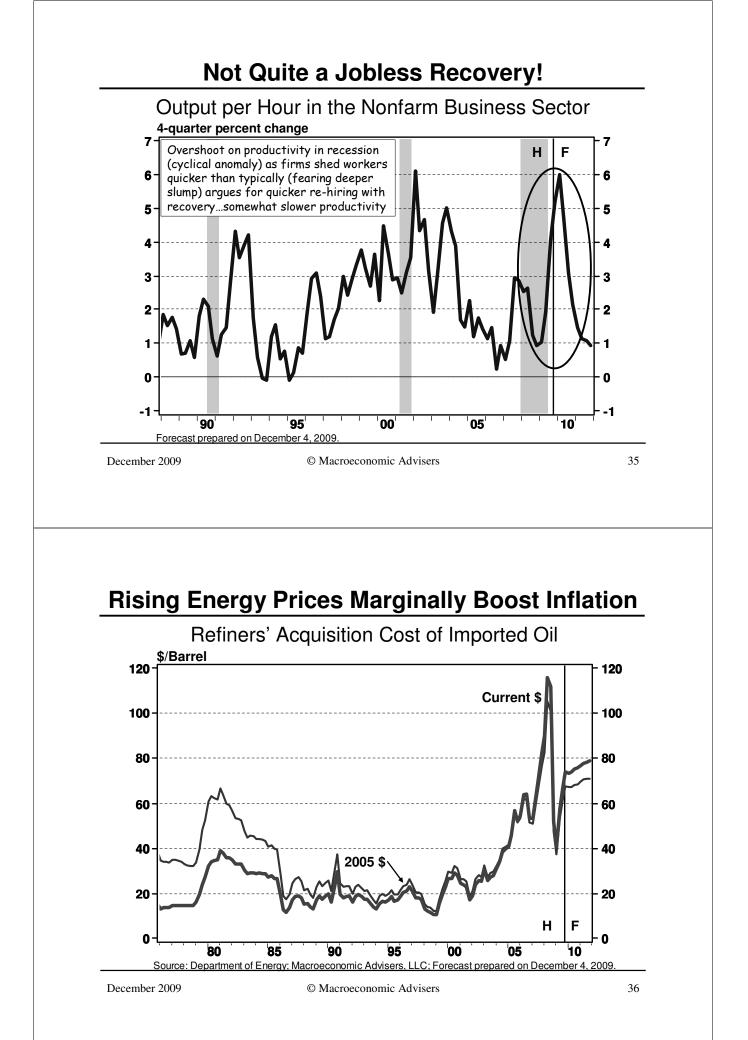


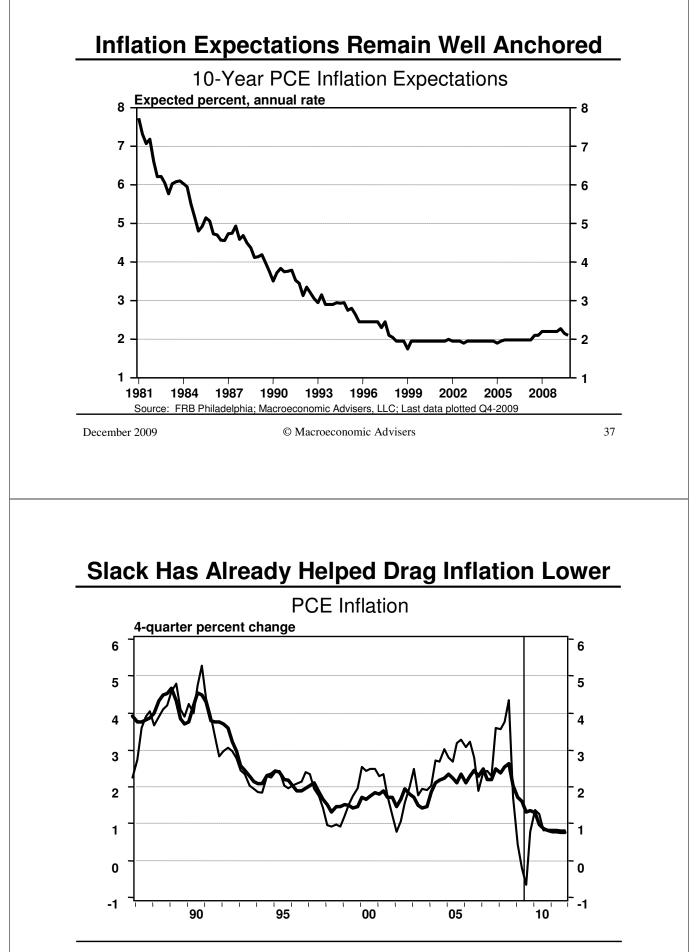


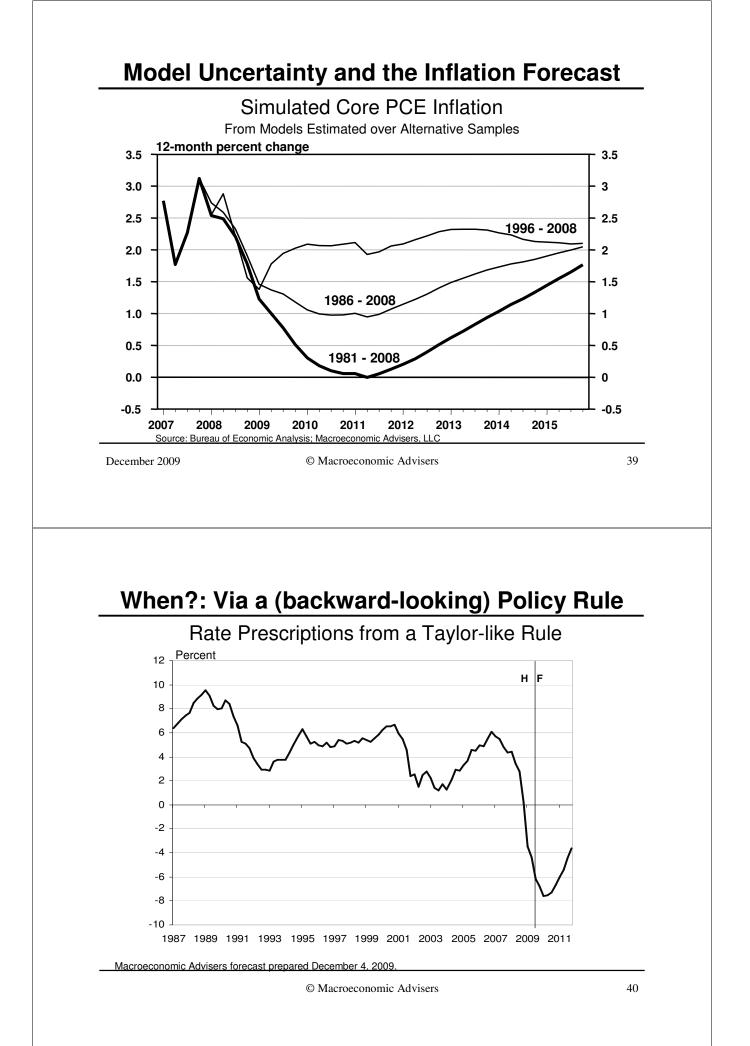


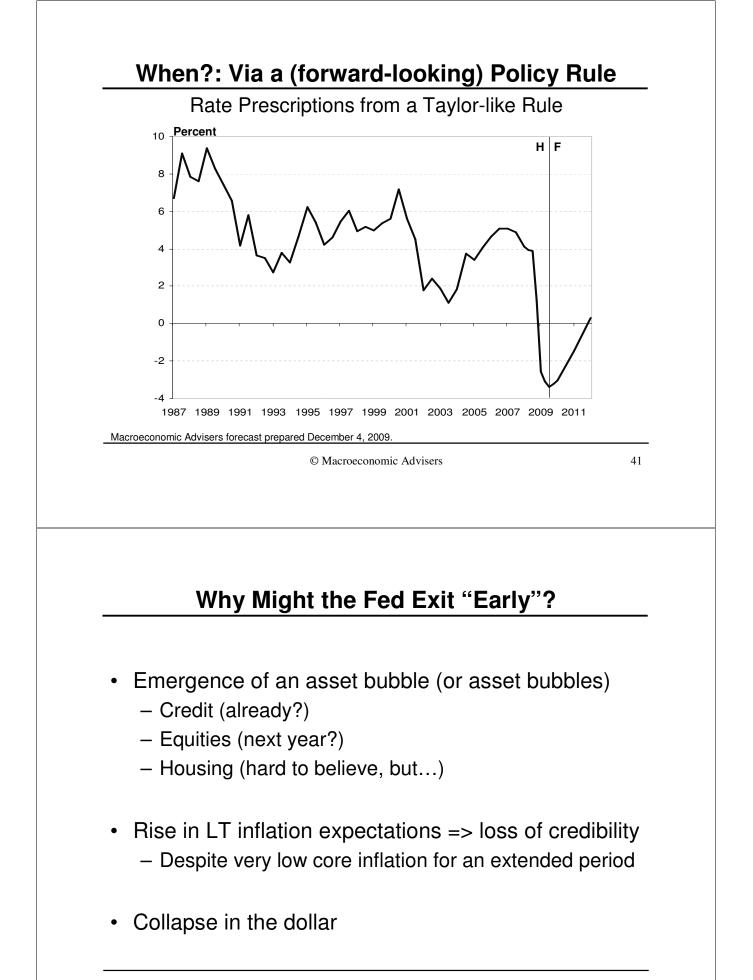












How?: Exit Strategy

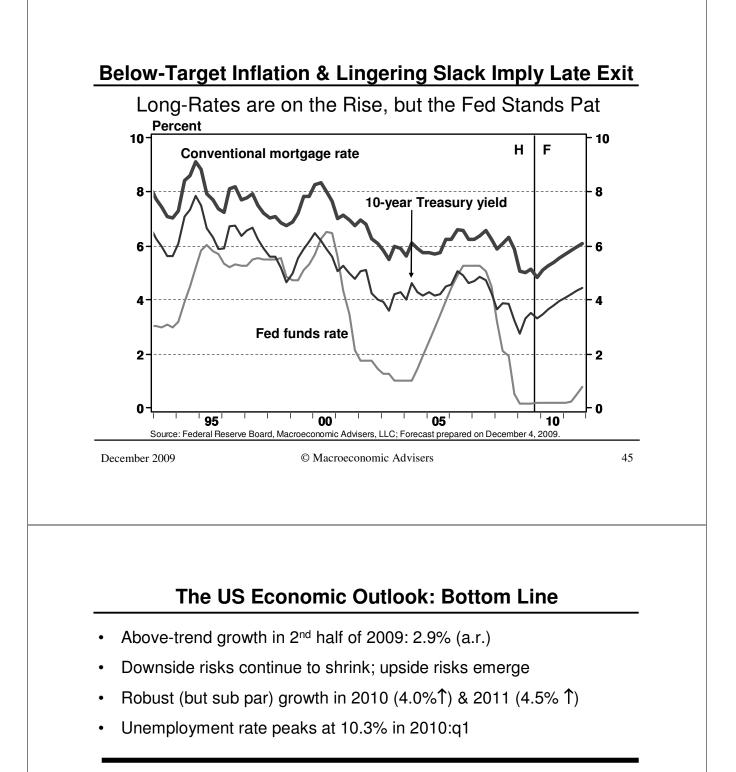
- End Easing
 - End Securities Purchase Programs
- Passive steps
 - Close Liquidity Facilities
 - Runoff
- Active steps
 - Raise Interest on Reserves (IOR)
 - Actively Withdraw Reserves (reverse repos, term deposits)
 - Shrink the Balance Sheet (asset sales vs runoff)

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Exit Sequence: Two Options

- Preparatory steps: discussion, small scale RRs
- Sequence #1
 - Active withdrawal of reserves first
 - Interest rates second
 - Active shrinking of the balance sheet (last, if at all)
- Sequence # 2
 - IOR and active withdrawal of reserves simultaneously
 - Active shrinking of balance sheet later (if at all)



- Unemployment rate declines to 9.6% in '10:q4 and to 8.0% in '11:q4
- Core inflation very low: =1.5% in 2009, ≅ 1.1 in 2010 & ≅ 0.9 in 2011
- Revised higher relative to recent forecasts --- but still below FOMC
- Fed: Still expecting a late exit; but will "end easing" long before
- Fiscal: Stimulus working for now; getting control of the deficit later

Back-up Slides

MA Forecast Details

									Q4/Q4 % change or annual avg.			vg.
	2009.1	2009.2	2009.3	2009.4	2010.1	2010.2	2010.3	2010.4	2008	2009	2010	2011
Real GDP & Components												
Gross domestic product	-6.4	-0.7	2.8	3.1	3.5	4.1	3.8	4.6	-1.9	-0.4	4.0	4.5
Contributions to Real GDP Growth												
Final sales	-4.1	0.7	1.9	1.2	2.5	3.2	3.3	4.1	-1.4	-0.1	3.3	4.1
Change in inventories	-2.4	-1.4	0.9	1.8	1.1	0.8	0.5	0.5	-0.5	-0.3	0.7	0.3
Personal consumption expenditures	0.6	-0.9	2.9	1.9	2.9	2.9	3.4	3.6	-1.8	1.1	3.2	3.4
Non-res fixed investment	-39.2	-9.6	-4.1	-5.5	1.5	4.6	7.9	11.8	-6.0	-16.0	6.4	14.2
Residential investment	-38.2	-23.3	19.5	16.4	15.0	34.3	33.1	30.1	-21.0	-9.9	27.9	24.0
Inventory investment*	-113.9	-160.2	-133.4	-74.4	-40.1	-12.3	5.5	22.9	-25.9	-120.5	-6.0	51.9
Exports	-29.9	-4.1	17.0	9.5	5.8	7.7	9.0	10.1	-3.4	-3.7	8.1	11.2
Imports	-36.4	-14.7	20.8	11.4	8.0	9.8	10.5	10.7	-6.8	-7.6	9.8	9.3
Gov't consumption & gross invest.	-2.6	6.7	3.1	2.4	1.8	2.1	-1.1	0.3	3.0	2.3	0.8	-1.0
Private housing starts (thous. units)	528	540	589	573	739	842	933	1039	900	557	888	1279
Light vehicle sales (mil. units)	9.5	9.6	11.5	10.8	11.4	12	12.6	13.2	13.2	10.3	12.3	14.2
Industrial production (% change a.r.)	-19.0	-10.3	5.6	5.8	6.9	5.6	5.8	6.5	-6.7	-5.1	6.2	6.1
Capacity utilization (mfg)	66.7	65.4	66.9	68.1	69.6	70.6	71.6	72.6	75.1	66.8	71.1	74.8
Nonfarm payroll employment (mil)	133.7	132.1	131.2	130.7	130.8	131.7	132.0	132.9	137.0	131.9	131.8	135.7
Unemployment rate (civilian, percent)	8.1	9.2	9.6	10.2	10.3	10.1	9.9	9.6	5.8	9.3	10.0	8.6
GDP price index	1.9	0.0	0.5	0.9	1.1	1.0	1.1	0.8	1.9	0.8	1.0	0.8
CPI (all urban)	-2.4	1.3	3.6	3.2	1.6	1.3	1.3	1.1	1.5	1.4	1.3	1.1
Core CPI (all urban)	1.5	2.4	1.5	1.7	1.2	1.2	1.1	1.0	2.0	1.8	1.1	1.0
Core PCE	1.1	2.0	1.3	1.7	1.3	1.1	1.0	1.0	2.0	1.5	1.1	0.9
Compensation per hour	-4.7	6.8	5.5	2.8	2.4	1.4	1.6	1.6	2.6	2.5	1.8	1.8
Output per hour	0.3	6.9	8.4	5.2	3.6	2.0	1.6	1.5	0.9	5.2	2.1	0.9
Unit labor cost	-5.0	-0.1	-2.7	-2.2	-1.1	-0.5	0.0	0.1	1.6	-2.5	-0.4	0.9
Exchange rate (FRB broad nominal)	111.1	107.1	103.7	101.6	100.8	100.0	99.4	99.0	99.8	105.9	99.8	98.7
Price of Imported oil (\$/barrel)	40.5	57.6	66.7	73.7	73.3	73.7	75.2	75.8	92.3	59.6	74.5	77.9
Federal funds rate	0.18	0.18	0.16	0.20	0.20	0.20	0.20	0.20	1.93	0.18	0.20	0.43
10-year Treasury note yield	2.74	3.31	3.52	3.33	3.49	3.65	3.80	3.95	3.67	3.22	3.72	4.28
Aaa corporate bond yield	5.27	5.51	5.27	5.14	5.23	5.26	5.30	5.40	5.64	5.30	5.30	5.63
Corporate profits w/iva & ccadj	22.8	15.7	49.6	16.6	16.7	13.9	9.6	10.2	-25.1	25.5	12.6	6.6
Real Disposable Personal Income	0.2	6.2	-1.5	0.4	1.3	3.4	2.1	4.3	0.3	1.3	2.8	4.5
Personal saving rate (%)	3.7	5.4	4.5	4.2	3.8	4.0	3.7	3.8	2.7	4.4	3.8	4.7
HH equity net worth (eop)**	-11.5	22.1	16.1	3.0	2.3	0.6	0.2	1.0	-39.0	29.2	4.2	8.1
Federal surplus (unified, FY. bil \$)	-1796	-1220	-1323	-1440	-1643	-1105	-1291	-1370	-455	-1417	-1370	-1301
*Billions of chained (2005) dollars **Percent change quarterly rate												

