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This report is a free monthly service of Virginia Tech. Past issues can be found at: [http://woodproducts.sbio.vt.edu/housing-report/](http://woodproducts.sbio.vt.edu/housing-report/)

To sign up for the report please email [buehlmann@gmail.com](mailto:buehlmann@gmail.com)
## July 2015 Housing Scorecard

<table>
<thead>
<tr>
<th>Category</th>
<th>M/M</th>
<th>Y/Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing Starts&lt;sup&gt;A&lt;/sup&gt;</td>
<td>Δ 0.2%</td>
<td>Δ 10.1%</td>
</tr>
<tr>
<td>Single-Family Starts&lt;sup&gt;A&lt;/sup&gt;</td>
<td>Δ 12.8%</td>
<td>Δ 19.0%</td>
</tr>
<tr>
<td>Building Permits&lt;sup&gt;A&lt;/sup&gt;</td>
<td>Δ 16.3%</td>
<td>Δ  7.4%</td>
</tr>
<tr>
<td>Housing Completions&lt;sup&gt;A&lt;/sup&gt;</td>
<td>Δ  2.4%</td>
<td>Δ14.6%</td>
</tr>
<tr>
<td>New Single-Family House Sales&lt;sup&gt;A&lt;/sup&gt;</td>
<td>Δ  5.4%</td>
<td>Δ 25.8%</td>
</tr>
<tr>
<td>Existing House Sales&lt;sup&gt;B&lt;/sup&gt;</td>
<td>Δ  2.0%</td>
<td>Δ 10.3%</td>
</tr>
<tr>
<td>Private Residential Construction Spending&lt;sup&gt;A&lt;/sup&gt;</td>
<td>Δ  1.1%</td>
<td>Δ 15.6%</td>
</tr>
<tr>
<td>Single-Family Construction Spending&lt;sup&gt;A&lt;/sup&gt;</td>
<td>Δ  2.1%</td>
<td>Δ 15.8%</td>
</tr>
</tbody>
</table>

M/M = month-over-month; Y/Y = year-over-year

Source: <sup>A</sup>U.S. Department of Commerce-Construction; <sup>B</sup>National Association of Realtors® (NAR®)
## New Housing Starts

<table>
<thead>
<tr>
<th></th>
<th>Total Starts*</th>
<th>Single-Family Starts</th>
<th>Multi-Family 2-4 unit Starts</th>
<th>Multi-Family 5 or more unit Starts</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>1,206,000</td>
<td>782,000</td>
<td>11,000</td>
<td>413,000</td>
</tr>
<tr>
<td>June</td>
<td>1,204,000</td>
<td>693,000</td>
<td>13,000</td>
<td>498,000</td>
</tr>
<tr>
<td>2014</td>
<td>1,095,000</td>
<td>657,000</td>
<td>14,000</td>
<td>422,000</td>
</tr>
<tr>
<td>M/M change</td>
<td>0.2%</td>
<td>12.8%</td>
<td>-15.4%</td>
<td>-17.1%</td>
</tr>
<tr>
<td>Y/Y change</td>
<td>10.1%</td>
<td>19.0%</td>
<td>-21.4%</td>
<td>-2.1%</td>
</tr>
</tbody>
</table>

* All start data are presented at a seasonally adjusted annual rate (SAAR)

# New Housing Permits and Completions

<table>
<thead>
<tr>
<th></th>
<th>Total Permits*</th>
<th>Single-Family Permits</th>
<th>Multi-Family 2-4 unit Permits</th>
<th>Multi-Family 5 or more unit Permits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>July</strong></td>
<td>1,119,000</td>
<td>679,000</td>
<td>28,000</td>
<td>412,000</td>
</tr>
<tr>
<td><strong>June</strong></td>
<td>1,337,000</td>
<td>692,000</td>
<td>34,000</td>
<td>611,000</td>
</tr>
<tr>
<td><strong>2014</strong></td>
<td>1,041,000</td>
<td>640,000</td>
<td>30,000</td>
<td>371,000</td>
</tr>
<tr>
<td><strong>M/M change</strong></td>
<td>-16.3%</td>
<td>-1.9%</td>
<td>-17.6%</td>
<td>-32.6%</td>
</tr>
<tr>
<td><strong>Y/Y change</strong></td>
<td>7.5%</td>
<td>6.1%</td>
<td>-6.7%</td>
<td>11.1%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Total Completions*</th>
<th>Single-Family Completions</th>
<th>Multi-Family 2-4 unit Completions</th>
<th>Multi-Family 5 or more unit Completions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>July</strong></td>
<td>987,000</td>
<td>627,000</td>
<td>10,000</td>
<td>350,000</td>
</tr>
<tr>
<td><strong>June</strong></td>
<td>964,000</td>
<td>636,000</td>
<td>9,000</td>
<td>319,000</td>
</tr>
<tr>
<td><strong>2014</strong></td>
<td>861,000</td>
<td>630,000</td>
<td>7,000</td>
<td>224,000</td>
</tr>
<tr>
<td><strong>M/M change</strong></td>
<td>2.4%</td>
<td>-0.3%</td>
<td>11.1%</td>
<td>9.7%</td>
</tr>
<tr>
<td><strong>Y/Y change</strong></td>
<td>14.6%</td>
<td>10.6%</td>
<td>42.9%</td>
<td>56.3%</td>
</tr>
</tbody>
</table>


* All data are SAAR
# New and Existing House Sales

<table>
<thead>
<tr>
<th>Month</th>
<th>New Single-Family Sales*</th>
<th>Median Price</th>
<th>Month’s Supply</th>
<th>Existing House Sales B*</th>
<th>Median Price B</th>
<th>Month’s Supply B</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>507,000</td>
<td>$285,900</td>
<td>5.2</td>
<td>5,590,000</td>
<td>$234,000</td>
<td>4.8</td>
</tr>
<tr>
<td>June</td>
<td>481,000</td>
<td>$277,500</td>
<td>5.3</td>
<td>5,480,000</td>
<td>$228,900</td>
<td>4.9</td>
</tr>
<tr>
<td>2014</td>
<td>403,000</td>
<td>$280,400</td>
<td>6.1</td>
<td>5,070,000</td>
<td>$222,900</td>
<td>5.6</td>
</tr>
</tbody>
</table>

- **M/M change**: 5.4% 3.0% -1.9% 2.0% 3.3% -2.0%
- **Y/Y change**: 25.8% 2.0% -14.8% 10.3% 5.6% -14.3%

*All sales data are SAAR


B NAR® [www.realtor.org/topics/existing-home-sales;](www.realtor.org/topics/existing-home-sales; 7/22/15)
Existing House Sales

National Association of Realtors (NAR®)

July 2015 sales data: 5.590 million houses sold (SAAR)

Distressed house sales: 7% of sales –
(5% foreclosures and 2% short-sales);
8% in June and 9% in July 2014.

All-cash sales: increased to 23%; 29% in July 2014.

Individual investors still purchase a considerable portion of
“all cash” sale houses – 13% in July 2015,
12% in June 2015 and 16% in July 2014.

64% of investors paid cash in July.

First-time buyers: 28% (30% in June 2015)
and were 29% in July 2014.
July 2015 Construction Spending

July 2015 Private Construction: $380.818 million (SAAR)

1.1% more than the revised June estimate of $376.585 million (SAAR)
15.6% greater than the July 2014 estimate of $329.531 million (SAAR)

July SF construction: $218.511 million (SAAR)
2.1% more than June: $214.032 million (SAAR)
15.8% greater than July 2014: $188.656 million (SAAR)

July MF construction: $51.608 million (SAAR)
-2.2% less than June: $52.793 million (SAAR)
21.2% greater than July 2014: $42.578 million (SAAR)

July Improvement C construction: $110.699 million (SAAR)
0.9% more than June: $109.760 million (SAAR)
12.6% greater than July 2014: $98.297 million (SAAR)

C The US DOC does not report improvements directly, this is an estimation. All data is SAAR and is reported in nominal US$.

Conclusions

July housing data was nearly all positive – the exception being MF expenditures. SF starts, on an adjusted basis, increased nearly 13%. This is important from a wood products perspective, as SF starts is an essential indicator. For most data reported, we must remind ourselves housing remains well below historical averages in most categories.

Housing normally correlates well with the overall economy; with an improving economy we should expect to see most of the housing sectors progress as well. As in written in previous months, the near-term outlook on the U.S. housing market remains unchanged – there are potentially several negative macro-factors or headwinds at this point in time for a robust housing recovery (based on long-term averages).

Why?

1) A constrained quantity of well-paying jobs being created;
2) a tepid economy;
3) declining real median annual household incomes;
4) strict home loan lending standards – though loosening with new programs; and
5) global uncertainty?
## June 2015
### EU Housing Scorecard

<table>
<thead>
<tr>
<th>Production in Construction(^A)</th>
<th>EU 28</th>
<th>M/M</th>
<th>Y/Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU 28</td>
<td>▼ 1.1(^s)</td>
<td>▼ 0.4(^s)</td>
<td></td>
</tr>
<tr>
<td>EU 18</td>
<td>▼ 1.9(^s)</td>
<td>▼ 2.3(^s)</td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td>▼ 4.5%</td>
<td>▼ 3.9%</td>
<td></td>
</tr>
<tr>
<td>France</td>
<td>▼ 2.5%</td>
<td>▼ 6.8%</td>
<td></td>
</tr>
<tr>
<td>UK</td>
<td>△ 2.5(^p)</td>
<td>△ 2.1(^p)</td>
<td></td>
</tr>
<tr>
<td>Spain</td>
<td>△ 0.1(^ps)</td>
<td>▼ 2.3(^p)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Building permits (m(^2) floor)(^A)</th>
<th>EU 28</th>
<th>M/M</th>
<th>Y/Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU 28</td>
<td>-.-</td>
<td>-.-</td>
<td>-.-</td>
</tr>
<tr>
<td>EU 18</td>
<td>△ 1.3(^{(04)})</td>
<td>△ 5.8(^{(04)})</td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td>△ 9.5(^s)</td>
<td>△ 17.6%</td>
<td></td>
</tr>
<tr>
<td>France</td>
<td>△ 13.9(^s)</td>
<td>△ 3.6(^e)</td>
<td></td>
</tr>
<tr>
<td>UK</td>
<td>-.-</td>
<td>-.-</td>
<td></td>
</tr>
<tr>
<td>Spain</td>
<td>△ 5.4(^{(04)})</td>
<td>△ 111.8(^{(04)})</td>
<td></td>
</tr>
</tbody>
</table>

\(^e\) estimate, \(^s\) Eurostat estimate, \(^p\) provisional, -.- no data available, \(^{(04)}\) April data

M/M = month-over-month; Y/Y = year-over-year
Housing comments – July, 2015

- July totals were flat, up 0.2% (to 1.206 million, annual rate) from revised June numbers - **but, single family increased 12.8% to .782 million (SAAR)**. Housing is getting stronger ([http://www.wsj.com/articles/housing-starts-edge-up-1439901362](http://www.wsj.com/articles/housing-starts-edge-up-1439901362)).

- Multi family fell this time, but still the driver – rental prices still increasing – single family sales remain weak and this has big impact on wood product prices. This trend will probably continue for some time.

- Economic issues - slowing world economy (China GDP slowest in past 6 years). China slowdown plus currency devaluation will drive commodity prices lower, and rekindle deflation concerns around the world.

- **Increasing geopolitical risk and continued domestic/Washington gridlock** - causes uncertainty which leads to less investment which leads to slower productivity growth, and ultimately slower GDP growth and lower standard of living!

- Job market is improving, albeit slowly, and wage gains are starting to pick up, however, the real unemployment rate remains high at 10.8%. This equates to about 16 million people who are either unemployed, stopped looking, or working part time because they can’t find full time jobs. This “slack” in the job market will keep wage gains modest for some time.

- World GDP growth outlook is shaky at best – main problem today is the slowdown in China which has been the major economic engine over the past 5 – 6 years. European growth is expected to be relatively weak while back here in USA, growth will probably remain below par (<3%) for some time.
- QE/quantitative easing, etc. has probably kept us from economic catastrophe, but it has not been able to jump start the economy. Despite “zero interest rates” for the past 7 years, we have no serious inflation issues. What we have, instead, are asset bubbles caused by “cheap money” chasing higher returns. And, we all know how asset bubbles end.

- A potentially more serious problem with QE, etc. is that the FED and other central banks don’t have many “arrows left in their quivers” to deal with the next downturn (which is inevitable).

- All this to say that we can look forward to interesting times ahead and that includes housing and wood products.
Rental demand versus single family housing ---

There are growing indications that rental demand may continue to increase for some time – a recent study by the Urban Institute suggests it may continue for another decade or two [http://www.wsj.com/articles/new-housing-crisis-looms-as-fewer-renters-can-afford-to-own-1433698639](http://www.wsj.com/articles/new-housing-crisis-looms-as-fewer-renters-can-afford-to-own-1433698639).

Why - - demographics; growing minority population; student debt; weak income growth; .... E.g., Minorities (nonwhite) will make up 75% of net household growth Over the next 10 years, and 85% during 2020-2030 (see next slide). They are less likely to own homes (lower incomes is main reason) so home ownership continues to fall toward 60% by 2030. During this time, rental demand will increase dramatically. Although this is just one study, it provides food for thought. One potential question with the study, however, is other studies show that although immigrants, for example, rent initially, but, over time they purchase homes at a rate equal to or higher than native born Americans. Why – people come to the U.S. to improve quality of life, and for most, this means homeownership. This suggests that the U.S. has to find solutions to immigration issues like “illegal immigrants” while encouraging legal immigration. This country was founded by immigrants seeking a better life, and they are key to our future. And, incomes for all Minorities has to improve if home ownership is to return to “good old days” [http://www.engineeredwood.org/Data/sites/3/documents/EngWoodJournal/EWJ_Spring2010.pdf](http://www.engineeredwood.org/Data/sites/3/documents/EngWoodJournal/EWJ_Spring2010.pdf).

Anyway, this has potential implications for home ownership; single family construction; and demand for wood products – lots of variables and scenarios.
Key findings (Laurie Goodman, et.al.)

(1) For next 15 years, new renters will outpace new homeowners
(2) Headship rate, (rate at which people create new households) is declining
(3) Majority of new households (HH) formed between 2010 – 2030 will be nonwhite
   - 43% Hispanic and only 18% white
(4) Majority of new homeowners will be nonwhite
(5) Number of senior HH to expand dramatically from 2010 – 2030

Key numbers (Laurie Goodman, et.al.)

(1) Between 2010 – 2030, there will be 22 million new HH – 13 million will rent
   and 9 million (4 million fewer) will buy
(2) By 2030, the homeownership rate will drop from 65.1% to 61.3%
(3) Of the 11.6 million net new HH formed between 2010 – 2020, 77% will be nonwhite
   and 88% of new HH will be nonwhite.

My “two cents worth”

(1) Minorities salary is considerably less
(2) They are less able to purchase homes
(3) We need to deal with this issue if housing is to get back on track
(4) We better start building more rental units or rent prices will
   become too high for many people – already, high rents prevent potential
   home buyers from saving enough for a down payment for a house
Urban Institute study—demographics, growing minority population, weak income growth, and student debt combine to drive homeownership lower. That means fewer single family starts and stronger rental demand—a trend that could last for another two decades according to the Urban Institute.

**Home Builders**

Minorities, who will account for more household-formation growth...

Net new households

<table>
<thead>
<tr>
<th>Household Type</th>
<th>2010-20</th>
<th>2020-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>11.6</td>
<td>10.4</td>
</tr>
<tr>
<td>Hispanic</td>
<td>0.7</td>
<td>0.6</td>
</tr>
<tr>
<td>Black</td>
<td>0.4</td>
<td>0.3</td>
</tr>
<tr>
<td>Other minorities</td>
<td>0.3</td>
<td>0.4</td>
</tr>
<tr>
<td>White</td>
<td>0.8</td>
<td>0.8</td>
</tr>
</tbody>
</table>

...are less likely to own homes, which will drag down the U.S. homeownership rate...

- **62.7%** in 2020
- **61.2%** in 2030

...as rental growth surges.

Average annual net growth in renter households

- **1.0 million** in 2010-2014
- **903,000** in 2015-2019

Sources: Urban Institute (household formation, homeownership rate forecasts); Commerce Department (homeownership rate); Harvard Joint Center for Housing Studies (renting households)

THE WALL STREET JOURNAL
Rental vacancy rates lowest in 20 years

Falling rental vacancy rates will drive rental prices higher
And this will drive multi family construction – Economics 101

Source; Census (http://www.census.gov/housing/hvs/files/qtr215/currenthvspress.pdf)
Increasing rents will slow housing starts - - makes it more difficult for renters to save for down payment for house purchase
Many young people can’t find good jobs – so, they rent instead of buying a house (plus, when you’re young, and just starting out, mobility is important – today’s “millennial” population is almost as large as “baby boomers” at 70 million plus – these individuals favor renting).
Household formations are up, but most are renting, and, in the past decade, rent payments exceeded mortgage payments – but, most can’t get a mortgage due to poor credit or can’t save enough for a down payment.
Multi family share of housing starts – upward trend expected to continue for some time. Also, since the housing crash in 2008, **Single family rentals** have now reached 13% of overall housing stock, up from 9% in 2005 ([http://blogs.wsj.com/economics/2015/07/20/signs-of-overheating-in-the-single-family-rental-market/](http://blogs.wsj.com/economics/2015/07/20/signs-of-overheating-in-the-single-family-rental-market/)).
Higher prices don’t necessarily mean the Market is good, which is what economic theory would suggest.

Housing inventory – short supply is driving up prices! – In addition, builders are building bigger houses to accommodate “well healed customers” which is driving new home prices even higher. Existing home sales reflect similar trends.

One more issue impacting housing – with starts remaining weak, we will see a continuing shortage of inventory, and that means higher prices. Many builders just don’t see enough traffic supporting an increase in starts. Also, many smaller builders are having trouble getting financing. In the resale market, many people can’t list their homes due to foreclosure issues, underwater mortgages, job problems, credit issues – i.e., can’t qualify for a new mortgage. Current inventory is 5.2 months for new homes and 4.8 months for existing homes – six months supply is considered a ‘healthy market.”

Another good article on current housing situation re: dilemma for 1st time buyers. Limited choices; higher prices; weak income growth; weak new home construction; --- short supply drives prices higher putting more 1st time buyers out of the market. I’ve said this before – return of 1st time buyers is needed before housing returns to “normal”!
Existing home inventory at 4.8 months – Short supply still driving prices higher

Months supply, single family

- New home inventory is 5.2 months
- 6 months supply considered “healthy/balanced”
Existing homes - Price increases are moderating, but still up substantially since the housing collapse in 2008.

Case – Shiller Price Index Cumulative change since 2000 (%)

The Case-Shiller index measures prices on home resales. They’re reported on a three-month moving average with a lag, meaning they don’t provide the most up-to-date picture of market conditions.
Cities where prices have skyrocketed in past year

<table>
<thead>
<tr>
<th>City</th>
<th>Year-over-year % change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toledo, Ohio</td>
<td>14.5%</td>
</tr>
<tr>
<td>Durham, N.C.</td>
<td>14.7%</td>
</tr>
<tr>
<td>Denver, Colo.</td>
<td>14.7%</td>
</tr>
<tr>
<td>Reno, Nev.</td>
<td>16.0%</td>
</tr>
<tr>
<td>Gulfport-Biloxi, Miss.</td>
<td>16.2%</td>
</tr>
<tr>
<td>Greensboro, N.C.</td>
<td>16.3%</td>
</tr>
<tr>
<td>Raleigh-Cary, N.C.</td>
<td>17.2%</td>
</tr>
<tr>
<td>Sebastian, Fla.</td>
<td>19.4%</td>
</tr>
<tr>
<td>Port St. Lucie, Fla.</td>
<td>20.3%</td>
</tr>
<tr>
<td>Palm Bay, Fla.</td>
<td>20.4%</td>
</tr>
</tbody>
</table>

Source: National Association of Realtors | WSJ.com
Weak New home supply drives prices higher
Six months supply considered “balanced market”

Months’ supply

The amount of time it would take, in months, to sell the stock of newly-built homes available for sale at the current sales pace. The National Association of Realtors considers a six-month supply to be a balanced market.

Sources: Commerce Department via the Federal Reserve Bank of St. Louis (new homes sold, housing starts), National Association of Realtors via the Federal Reserve Bank of St. Louis (existing homes sold, months’ supply), S&P Dow Jones Indices (Case-Shiller index)

Source: WSJ (http://graphics.wsj.com/us/housing/market)
Size of New Homes sold has increased dramatically in past 6 years as builders cater to “well healed” buyers as many 1st time buyers are missing.

Source: Census (https://www.census.gov/construction/chars/sold.html)
Consequently, Median price of new homes has increased dramatically

[Graph showing the increase in median price of new homes from 2000 to 2014.]

(https://www.census.gov/construction/chars/sold.html)
Underwater mortgages down considerably, but still a problem: remain historically high at 15.4% (8 million) in 1st Qtr 2015. Healthy market is 1 – 2% underwater. Problem is that 15 - 20% of the market becomes “non – tradable” according to Stan Humphries. Another report, Zillow says 13% (7.4 million) are seriously underwater (loan amount at least 25% higher than house market value)
Employment situation - our biggest problem - but, getting better with 215,000 jobs created in July

Net change in non farm payrolls – monthly, thousands

Source: U.S. BLS (www.bls.gov)
Unemployment rate keeps coming down – but, nearly 7 million remain “underemployed” – working part time, but want full time jobs

**There are about 17 million people either unemployed, underemployed, or stopped looking – Key reason why wage increases are stagnant!!!

The real unemployment rate - - 10.4%
(17 million people)

July 2015 Official unemployment rate – 5.3%
Equates to about 8 million people

Closer look at “real unemployment rate” – things are improving, but we really need stronger *earnings* growth

Latest Employment cost index (ECI) shows that wages and benefits are lagging in this recovery – due primarily to continued slack in the job market with the “real unemployment rate” at 10.5%.
A look at real incomes over the past twenty years ---
real incomes have been shrinking for the past 20 years
and the reason is probably tied to productivity – here is good article
on the subject
(https://www.wsj.com/articles/politicians-pay-heed-to-productivity-problem-1437582206?cb=logged0.19101819254186214)
We need to invest more to become more competitive, create better paying jobs, and grow GDP.

GDP derives from number of workers plus productivity (real GDP/worker) – (http://marketrealist.com/2015/01/factors-drive-real-gdp-growth) -- with lower productivity, higher employment won’t generate as much growth in GDP -- this is why improving employment doesn’t give us strong GDP growth.

*Innovation and entrepreneurship is key to increasing productivity*
Do we have a productivity problem? Private Domestic investment barely above 2006 levels. It’s improving, but domestic and geopolitical concerns are creating uncertainty which slows investment which slows productivity growth and that translates to weaker GDP growth (and less demand for housing).

http://www.bea.gov/iTable/iTable.cfm?ReqID=9&step=1#reqid=9&step=3&isuri=1&903=6
Weak productivity will hold back wages and any improvement in standard of living.
One way to improve productivity and incomes --- education improves your chances of staying out of the unemployment line
More evidence that education pays
Earnings vs compensation - compensation includes benefits like employer paid health care, pensions, etc. while earnings are wages only. CPI and PCE are two indexes used to adjust for inflation

Source: WSJ (http://blogs.wsj.com/economics/2015/07/06/just-how-stagnant-are-wages-anyway)
But, there is a serious problem with financing higher education – current debt exceeds one trillion $ - this slows household formations and shifts demand for shelter to renting!!!
Labor force participation rate is shrinking – demographics is probably the main reason – we’ll see skilled labor shortages increase over the next decade - we’re already seeing construction related shortages with brick layers, masons, electricians, plumbers, etc. One solution – Revamp our education system (a 4 year degree isn’t for everyone – 2 year Community colleges, vocational schools, are better fit for many, and they are much cheaper). Excellent article (http://finance.yahoo.com/news/should-i-go-to-trade-school-162413337.html#)

Interesting article shows that in most countries Labor force participation rate is increasing (http://blogs.wsj.com/economics/2015/06/26/the-u-s-stands-out-on-labor-force-participation-rates/)

% of civilian adult population, that are working

July 2015 – 62.6% participation rate

Source: BLS
Economic growth of 2.3%, up from revised 0.6% in Qtr 1.

Some headwinds continue -
(1) Slowing world economy (European recession; weaker China growth)
(2) Stronger dollar will reduce exports and increase imports – negative impact on manufacturing jobs which is key to income growth in USA
(3) Political stalemate, terrorism, currency wars, growing national debt, ...

Source: BEA (http://www.bea.gov/newsreleases/national/gdp/gdp_glance.htm)
World Bank forecast cuts world growth to 2.8% in 2015, but expects 3.2% growth in 2016 (I don’t believe it)
China’s growth is slowing, – this is key to world economy (China is 2nd largest economy) and even more important for Commodity prices – the recent Yuan devaluation is an indication that the Chinese government is concerned. *For past 5 – 6 years, China accounted for the bulk of world GDP growth so any slowdown will have major ripple effects.*
Weaker Yuan will have big impact on global economy particularly export markets

Source: FactSet

(http://www.wsj.com/articles/cheaper-chinese-currency-has-global-impact-1439336622?cb=logged0.9526731020043364)
Recent Housing statistics
Starts are inching forward – I’m concerned that the Feds will ‘grease the wheels” again – e.g. Fannie and Freddie, FHA --- lowering down payment requirements and premiums on mortgage insurance, …. I guess they forgot what happened in 2008? The FED has kept interest rates near zero for 6 years, but housing remains lethargic. Interest rates aren’t the main problem.

Source: Census (http://www.census.gov/const/www/newresconstindex.html)
Slower rate of household formation will constrain single family housing Starts - and, although HH formations have picked up recently, most new HH are renting.

Source: TD Economics (http://www.td.com/economics/analysis/economics/index.jsf)
Impact of weak household formations and shift to renting — homeownership rates have been falling for the past ten years — when the economy gets back to normal, Will people return to single family or will renting remain in favor with many? There will be impacts on wood products demand.


Source: Census [https://www.census.gov/housing/hvs/data/q413ind.html](https://www.census.gov/housing/hvs/data/q413ind.html)
New Single Family Home sales are the key statistic to watch – Sales drive housing starts – this drives demand for wood products!!!

Supply still constrained at 5.2 months and this drives prices higher

Thousands, SAAR

Note: Sales represent only houses built for sale. Or “spec homes” – does not include contractor built or homes built by the owner. Historically, “spec homes” represent about 70% of the market. See https://www.census.gov/construction/nrc/salesvsstarts.html

July 507,000

Source: Census (http://www.census.gov/const/www/newressalesindex.html)
Resale market continues to improve, but still heavy to cash sales (24%) with 1st time buyers still below trend, but improving (traditionally they represent about 40 – 45% of market, but today they are at 32%). Another problem today is tight supply (which drives prices), currently at 4.8 months. Healthy market is about 6 months supply.

Housing Market breakdown --
New home sales = 10 – 15% of housing market
Existing home sales = 85 – 90%

Source: WSJ (http://graphics.wsj.com/us/housing-market/)
Cash sales back to trend values of 25% - good news for 1st time buyers - - we need a return of 1st time buyers to get back to a more traditional (and healthy) housing market.
Some conclusions – housing continues to improve albeit slowly

(1) Economy will continue to improve slowly -- 2015 growth expected to be about 2.5% - however, slowdown in China will have serious ripple effects on world economy

(2) Still not a healthy housing market - 1st time buyers (32% today) are below trend (45%) and household formations are off 50% from trend -- but, it’s getting better

(3) The key to a recovery in housing is the return of 1st time buyers, traditionally about 40- 45% of the market. Current market still skewed to cash buyers and investors. 1st time buyers are mostly young people, but they can’t find good jobs. Additionally, rising rents pose problems for home ownership - making it more difficult for renters to save for a down payment for home purchase.

(4) Political discourse will continue to slow a truly strong economic and housing recovery – too much uncertainty re: Affordable Care Act/Obama care; immigration reform. Plus, additional concerns re: interest rates, world economy, terrorism, .... Uncertainty will slow job creation, private sector investment. E.g., capital spending lagging in this recovery.

(5) Productivity becoming a problem for U.S. economy – real GDP driven by population (number of workers) and real GDP/worker or productivity. During past 7 years, productivity has grown 1.7% annually whereas the average over previous 17 years was 2.4%. The recent drop is probably due to in large part to lack of investment by private sector. That won’t change much until they get more confident about the future of the country. Political discord is a real drag on the economy whether you want to believe it or not – it creates uncertainty, and clouds decision making. Plus, these are difficult times geopolitically – Personally, I’m amazed that we do as well as we do.

(6) World economy is slowing – China, particularly, but Europe also experiencing problems as well as the commodity focused economies like Australia and Canada.
**Longer term:**

1. **makeup of U.S. economy is changing and this is impacting spending patterns and housing choices.**

2. **There are growing concerns that the job market is undergoing long term – structural – changes. Automation seems to be reducing job prospects for the middle class while creating jobs for the highly skilled and less skilled sectors. End result is stagnating family incomes that could translate to lower total housing demand with more emphasis on multi family/rental demand.**

3. **Education is more important today than ever before – don’t forget two year programs; community Colleges; apprenticeships;… 4 year/University degree not always best option**

4. **Currency devaluations are the preferred solution to “low inflation” concerns. Central banks in Europe and Japan are following the U.S. with quantitative easing/printing money, in order to spur demand by weakening their currencies. Good article in WSJ suggesting that the “low inflation world” is really a symptom of too much capacity relative to demand, and the solution isn’t currency devaluation. Better solution may be developing technology to produce products that fulfill market place demands not being met by existing products**


5. **Eventually, central banks will have to raise rates and nobody knows how the various economies will respond. We’ve never had so much liquidity in the system – it causes various types of bubbles (assets like houses, stocks, etc.), and a misallocation of resources. Interesting times ahead.**

6. **Rental housing demand is expected to remain relatively strong for some time into the future – demographics; economy; debt/credit issues; … will constrain single family demand**
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