# **Economics Group**



Tim Quinlan, Senior Economist tim.quinlan@wellsfargo.com • (704) 410-3283 Sarah House, Economist sarah.house@wellsfargo.com • (704) 410-3282

## **Industrial Production Signals Modest Pickup in Activity in Q3**

Industrial production ticked up 0.1 percent in October on gains in manufacturing and mining. Total production rose at a 1.8 percent annualized rate in Q3, the best pace in a year.

#### **Tentative Signs of Improvement in the Industrial Sector**

Industrial production eked out a 0.1 percent gain in September. The increase was slightly less than consensus expectations for a 0.2 percent gain and follows a downward revision to August production. Yet with a solid gain in July, production rose at a 1.8 percent annualized rate in the third quarter, the strongest quarterly gain in a year as manufacturing and mining activity has stabilized somewhat.

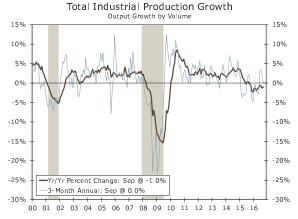
Despite another unseasonably warm month, utilities production fell 1.0 percent in September. Therefore September's uptick in production can be traced to the mining and manufacturing sectors.

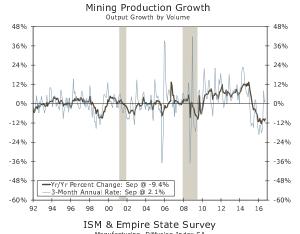
Output in the mining sector rose 0.4 percent last month after August's initially reported gain of 1.0 percent was revised to a decline of the same magnitude. The relative stability of prices in recent months has helped to put a floor on new drilling, which should help future production. After tumbling more than 75 percent from its peak in 2014, drilling of oil and gas wells has inched higher for four consecutive months now. Oil and gas extraction, on the other hand, fell another 0.9 percent in September as previous cuts to investment weigh on current production.

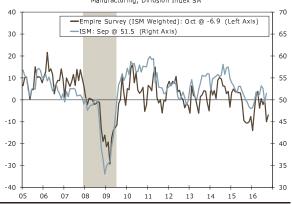
Manufacturing, which accounts for just over three quarters of total industrial production, rose 0.2 percent last month. That put manufacturing production for the quarter up at a 0.9 percent annualized rate, which is an improvement over the prior three quarters, but still relatively weak. September's stronger than expected outturn for manufacturing was traced to a 0.5 percent gain in nondurables, while durables production was flat. Motor vehicles, which have been a source of strength over the past year, provided only a minor boost, up 0.1 percent. Auto inventories remain elevated and therefore a pullback in motor vehicles production would not be surprising in the months to come if the industry wants to limit discounting. With auto production likely to slow and equipment spending still weak, we remain cautious on the near-term outlook for factory activity.

#### **Empire Survey Remained Weak in October**

Elsewhere in the industrial space, the Empire State Manufacturing Survey indicated factory activity remained on the rocks in October. At -6.8, the index fell to a five-month low. The headline index, however, is based on a separate question on overall business activity. On an ISM-basis, the Empire survey improved slightly, up from -10 in September to -6.9 in October. With the exception of unfilled orders, all components improved over the month, but—barring prices—remain in negative territory. Given the noise in a single regional Fed survey from month to month, we will be looking to the Philadelphia Fed survey, out on Thursday, for a better sense of how factory activity is holding up.







Source: Federal Reserve System, Institute for Supply Management and Wells Fargo Securities

## Wells Fargo Securities Economics Group

Diane Schumaker-Krieg	Global Head of Research, Economics & Strategy	(704) 410-1801 (212) 214-5070	diane.schumaker@wellsfargo.com
John E. Silvia, Ph.D.	Chief Economist	(704) 410-3275	john.silvia@wellsfargo.com
Mark Vitner	Senior Economist	(704) 410-3277	mark.vitner@wellsfargo.com
Jay H. Bryson, Ph.D.	Global Economist	(704) 410-3274	jay.bryson@wellsfargo.com
Sam Bullard	Senior Economist	(704) 410-3280	sam.bullard@wellsfargo.com
Nick Bennenbroek	Currency Strategist	(212) 214-5636	nicholas.bennenbroek@wellsfargo.com
Anika R. Khan	Senior Economist	(212) 214-8543	anika.khan@wellsfargo.com
Eugenio J. Alemán, Ph.D.	Senior Economist	(704) 410-3273	eugenio.j.aleman@wellsfargo.com
Azhar Iqbal	Econometrician	(704) 410-3270	azhar.iqbal@wellsfargo.com
Tim Quinlan	Senior Economist	(704) 410-3283	tim.quinlan@wellsfargo.com
Eric Viloria, CFA	Currency Strategist	(212) 214-5637	eric.viloria@wellsfargo.com
Sarah House	Economist	(704) 410-3282	sarah.house@wellsfargo.com
Michael A. Brown	Economist	(704) 410-3278	michael.a.brown@wellsfargo.com
Jamie Feik	Economist	(704) 410-3291	jamie.feik@wellsfargo.com
Erik Nelson	Currency Analyst	(212) 214-5652	erik.f.nelson@wellsfargo.com
Misa Batcheller	Economic Analyst	(704) 410-3060	misa.n.batcheller@wellsfargo.com
Michael Pugliese	Economic Analyst	(704) 410-3156	michael.d.pugliese@wellsfargo.com
Julianne Causey	Economic Analyst	(704) 410-3281	julianne.causey@wellsfargo.com
E. Harry Pershing	Economic Analyst	(704) 410-3034	edward.h.pershing@wellsfargo.com
Donna LaFleur	Executive Assistant	(704) 410-3279	donna.lafleur@wellsfargo.com
Dawne Howes	Administrative Assistant	(704) 410-3272	dawne.howes@wellsfargo.com

Wells Fargo Securities Economics Group publications are produced by Wells Fargo Securities, LLC, a U.S. broker-dealer registered with the U.S. Securities and Exchange Commission, the Financial Industry Regulatory Authority, and the Securities Investor Protection Corp. Wells Fargo Securities, LLC, distributes these publications directly and through subsidiaries including, but not limited to, Wells Fargo & Company, Wells Fargo Bank N.A., Wells Fargo Advisors, LLC, Wells Fargo Securities International Limited, Wells Fargo Securities Asia Limited and Wells Fargo Securities (Japan) Co. Limited. Wells Fargo Securities, LLC. Wells Fargo Securities, LLC. Securities, LLC. Wells Fargo Securities, LLC. Wells Fargo Securities, LLC. Wells Fargo Securities, LLC. Association. Wells Fargo Bank, N.A. is registered with the Commodities Futures Trading Commission as a swap dealer and is a member in good standing of the National Futures Association. Wells Fargo Securities, LLC. and Wells Fargo Bank, N.A. are generally engaged in the trading of futures and derivative products, any of which may be discussed within this publication. Wells Fargo Securities, LLC does not compensate its research analysts based on specific investment banking transactions. Wells Fargo Securities, LLC's research analysts receive compensation that is based upon and impacted by the overall profitability and revenue of the firm which includes, but is not limited to investment banking revenue. The information and opinions herein are for general information use only. Wells Fargo Securities, LLC does not guarantee their accuracy or completeness, nor does Wells Fargo Securities, LLC assume any liability for any loss that may result from the reliance by any person upon any such information or opinions. Such information and opinions are subject to change without notice, are for general information only and are not intended as an offer or solicitation with respect to the purchase or sales of any security or as personalized investment advice. Wells Fargo Securities,

### Important Information for Non-U.S. Recipients

For recipients in the EEA, this report is distributed by Wells Fargo Securities International Limited ("WFSIL"). WFSIL is a U.K. incorporated investment firm authorized and regulated by the Financial Conduct Authority. The content of this report has been approved by WFSIL a regulated person under the Act. For purposes of the U.K. Financial Conduct Authority's rules, this report constitutes impartial investment research. WFSIL does not deal with retail clients as defined in the Markets in Financial Instruments Directive 2007. The FCA rules made under the Financial Services and Markets Act 2000 for the protection of retail clients will therefore not apply, nor will the Financial Services Compensation Scheme be available. This report is not intended for, and should not be relied upon by, retail clients. This document and any other materials accompanying this document (collectively, the "Materials") are provided for general informational purposes only.

SECURITIES: NOT FDIC-INSURED/NOT BANK-GUARANTEED/MAY LOSE VALUE

