U.S. Economic Outlook Challenges For The Next President

Beth Ann Bovino U.S. Chief Economist October 29, 2020



Pandemic Fallout– Not Over Yet

Slow Climb Out Of The Hole

- 1. Massive adverse shock: sudden, sharp drop of activity and employment
- 2. Unprecedented policy response both fiscal and monetary
- 3. Economic outlook dependent on interaction between mobility, restrictions, speed of reopening, and speed of vaccine.

Big questions: Will fiscal stimulus be extended? What about the trade dispute with China?

- 4. Balance of Risk: Downside. Recession risk 30% to 35%
- Longer the duration of virus this worse the outcome Policy fatigue sets in, scarring sets in, which eats into longer-run growth equilibrium. Temporary job loss turns into permanent the longer this persists
- 6. A "V" or "U" recovery turns into a balance sheet shock with "L" recovery.

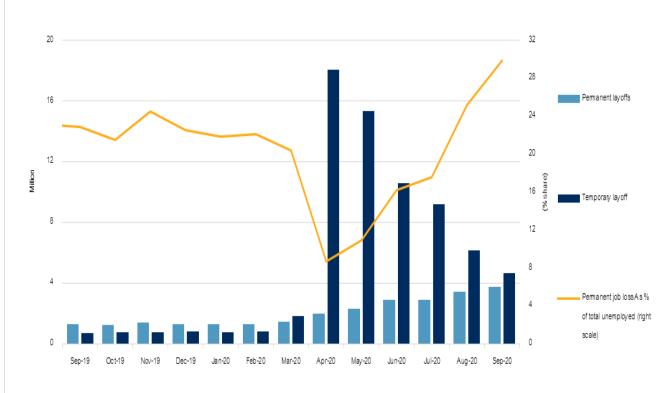
The harsh reality is the next U.S. president has his work cut out for him

Amidst a COVID-19 Surge, US Jobs Market Challenges

The unemployment rate is equal or higher than 8 of the last 11 recession peaks through 1948

16 14 12 10 8 6 4 0 01 -11-019 ģ 954-03-01 2-09-01 01 988-02-01 01 9 957-04-01 9 0 966-07-01 969-08-01 -10-01ģ 994-04-01 01 9 2006-08-01 ģ 2-10-01 9 963-06 -12 ģ 991-03 997-05 2009-09 951-02 960-05 000-000 -07 N 948-01 978-11 2003-985 981. ١Ô, LÔ, Ó 201 64 97 201 01 Unemployment rate (%) Sept-2020 unemployment rate (%)

Over 30% Of U.S. Unemployed Permanent Job Losers



Source: Bureau of Labor Statistics, S&P Global Economics Copyright © 2020 by Standard & Poor's Financial Services LLC.All rights reserved

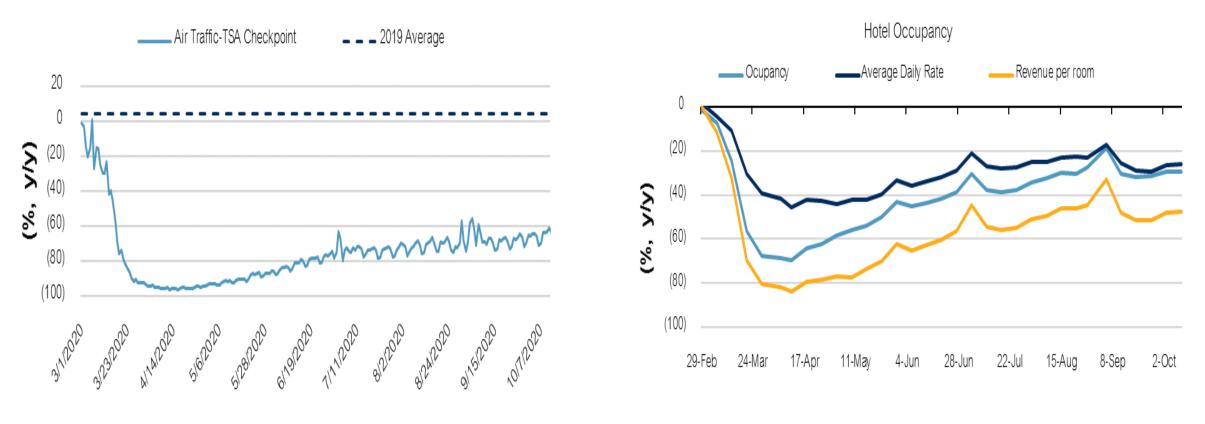
Source: BLS data, St. Louis Fred, NBER



60% of U.S. businesses in Yelp, once temporarily closed, now permanently closed

Most Non-traditional Real-time Indicators Found Bottom

But the climb to pre-crisis highs remains a challenge for many



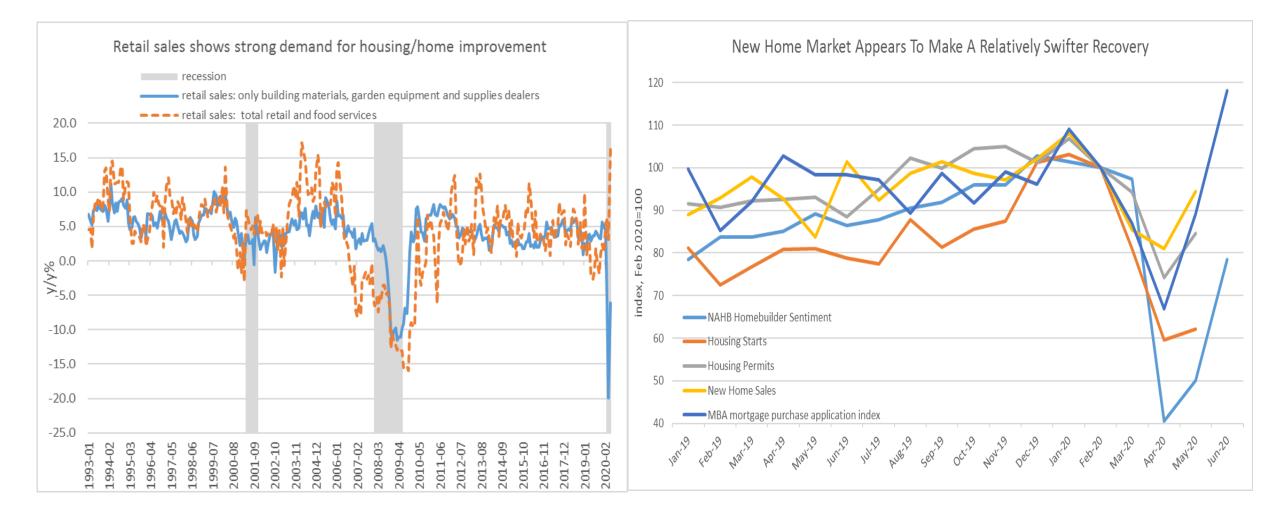
Source: TSA, S&P Global Economics, Data as of Oct 14, 2020

Source: STR, Data as of Oct 10, 2020.



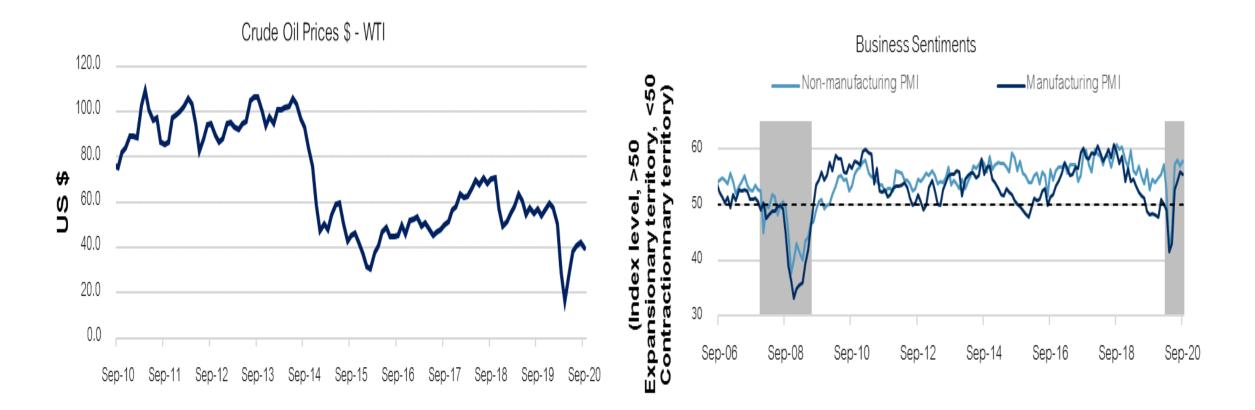
Housing-related Economic Activity Signals V-Shaped Recovery

But the climb to pre-crisis highs remains a challenge



U.S. Private Sector Conditions Improving, For Now

West Texas Crude Oil Price and business sentiments improve



Source: ISM, S&P Global Economics

Source: St.Louis FRED



U.S. Government Policy Action Helps Avert Disaster

Fed Policy:	Cu dov
Use its	Sta eve
balance	sup fun
sheet	Ma
and an	to a sho
alphabet	
soup of	Fee allo
facilities	"ov

Cut rates to zero, buy assets to hold down risk-free yields

Stand ready to intervene in CP, MM and even corporate (IG) credit markets to support liquidity and ensure that markets function reasonably well.

Macro-Prudential, eased capital burdens to allow banks to lend and absorb shocks.

Fed's new monetary policy strategy allowing a temporary inflation "overshoot" Very meaningful Fiscal: Surprisingly quick to respond in March, despite domestic squabbles

Earlier lifeline to households and businesses in need

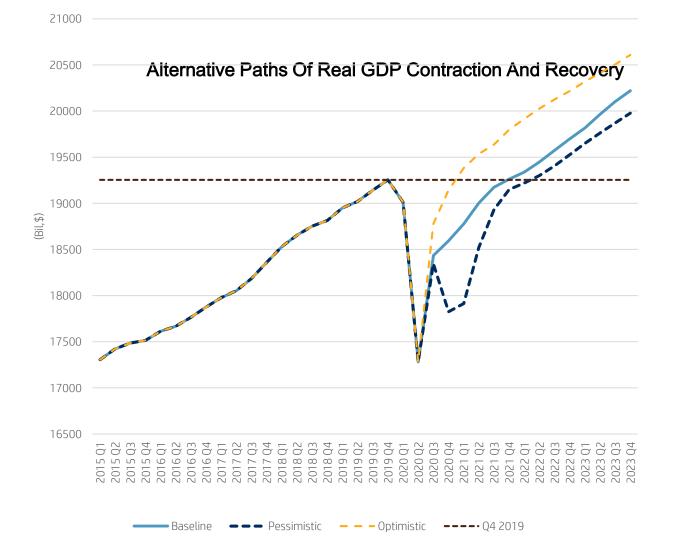
Now no agreement in Congress on extending stimulus as viral cases rise and initial jobless claims remain high

Both presidential candidates support an infrastructure package...we'll see where it goes.

Is the job done? The risks of a mistake are very high and extremely costly...



Slow Climb Out Of The Hole



- End of the cycle. The longest economic expansion in U.S. history killed by Covid-19. We forecast GDP will drop by 4.0% in 2020, down and up just 3.7% in 2021. Won't reach pre-crisis 2019 levels until 4Q 2021.
- Three risks remain. : No coronavirus vaccine yet available as U.S. heads into flu season, No new fiscal stimulus, and trade tensions with China on the rise.
- Double-Dip. Downturn reemerges in the fourth quarter as COVID-19 cases flare up and the government's stimulus "bridge" only made it halfway to the other side. GDP will drop by 5.1% in 2020, up by just 2.8% in 2021.



Presidential Election 2020: Economic impact of Policy Proposals

- Despite ugly rhetoric, surprising similarities in policy proposals for trade and infrastructure
- Similarities end in policy proposals for taxes, health care regulation, immigration.
- Promises are not policy: big structural changes depend on whether congressional majority is same as the president
- The President's first task on day 1: steering the American population and economy back to health.
- The Administration, Congress and the Fed need to work together to get U.S. out of a potential downturn as the recovery has slowed.
- Additional stimulus is needed as a bridge to the next stage of the recovery.

The harsh reality is the next U.S. president has his work cut out for him



US-China Phase One Deal Has Stalled

US exports and China's imports in 2020 of all goods covered by the phase one deal as of August 2020



Source: PIIE

Fronts in US Pressure on China

We put tariffs last for a reason. It is the least important in the long run.

Investment restrictions

Foreign Investment Risk Review Modernization Act of 2018 (FIRRMA) reforms the Committee on Foreign Investment in the United States (CFIUS) process

Makes it harder for China to obtain US technology through acquisitions.

Source: S&P Global Economics

Export Controls

Export Control Reform Act of 2018 (ECRA) will beef up controls on US exports of "emerging and foundational technologies."

Makes it harder for firms in Chinese supply chains to source high-value added US technology.

Tariffs on Trade

Tariffs imposed under Section 301 of the 1974 Trade Act. Aim to address "unfair practices" related to technology transfer, intellectual property, and innovation

If persistent, encourages firms in supply chains to shift production elsewhere.

What about the shape of the U.S. recovery?

Path of GDP Before & After U.S. Recessions

Ways To Change The Shape This Time



Election Policy Proposals Impact On The Economy

In Numbers



Trillion The boost to U.S. GDP from \$2.1 trillion in infrastructure spending over 10 years

\$5.7

Forecast full-year GDP to shrink





Economy won't get back to pre-pandemic level until late-2021



Employment-based immigration reform could add about 3.2 percentage points to real GDP in the next



\$\$\$\$\$ \$\$\$\$\$ \$\$\$\$ \$\$\$\$\$ S) (\$) (\$) (\$)(\$) (\$) (\$)

The unemployment rate is

7.9%

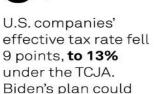
above or equal to the peak of eight of the past 11 recessions



Boost to public infrastructure spending would also create 2.3 million jobs by 2024. Productivity boost means more jobs later.

*Pre-TCJA and post-TCJA SPGI rated U.S. non-financial corporates' effective tax rates are based on 2016 and 2019. Source: S&P Global Ratings. Copyright @ 2020 by Standard & Poor's Financial Services LLC. All rights reserved.





claw back half that amount.

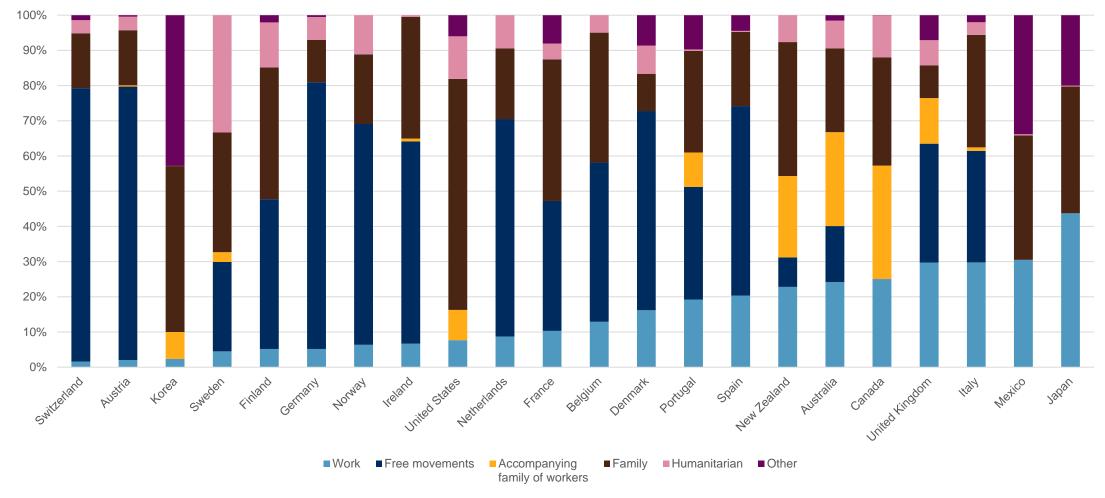
Percentage points

Unemployment rate won't reach pre-crisis levels until mid-2024

E	-[]—	

Family Accounts for 66% of U.S. Visas; Employment Just 9%

Permanent inflows by category of entry, 2013



Source: "Trends in Migration", OECD Factbook 2016

Copyright $\ensuremath{\mathbb{C}}$ 2020 by Standard & Poor's Financial Services LLC. All rights reserved.

No content (including ratings, credit-related analyses and data, valuations, model, software, or other application or output therefrom) or any part thereof (Content) may be modified, reverse engineered, reproduced, or distributed in any form by any means, or stored in a database or retrieval system, without the prior written permission of Standard & Poor's Financial Services LLC or its affiliates (collectively, S&P). The Content shall not be used for any unlawful or unauthorized purposes. S&P and any third-party providers, as well as their directors, officers, shareholders, employees, or agents (collectively S&P Parties) do not guarantee the accuracy, completeness, timeliness, or availability of the Content. S&P Parties are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, for the results obtained from the use of the Content, or for the security or maintenance of any data input by the user. The Content is provided on an "as is" basis. S&P PARTIES DISCLAIM ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED, OR THAT THE CONTENT WILL OPERATE WITH ANY SOFTWARE OR HARDWARE CONFIGURATION. In no event shall S&P Parties be liable to any party for any direct, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs or losses caused by negligence) in connection with any use of the Content even if advised of the possibility of such damages.

Credit-related and other analyses, including ratings, and statements in the Content are statements of opinion as of the date they are expressed and not statements of fact. S&P's opinions, analyses, and rating acknowledgment decisions (described below) are not recommendations to purchase, hold, or sell any securities or to make any investment decisions, and do not address the suitability of any security. S&P assumes no obligation to update the Content following publication in any form or format. The Content should not be relied on and is not a substitute for the skill, judgment, and experience of the user, its management, employees, advisors, and/or clients when making investment and other business decisions. S&P does not act as a fiduciary or an investment advisor except where registered as such. While S&P has obtained information from sources it believes to be reliable, S&P does not perform an audit and undertakes no duty of due diligence or independent verification of any information it receives.

To the extent that regulatory authorities allow a rating agency to acknowledge in one jurisdiction a rating issued in another jurisdiction for certain regulatory purposes, S&P reserves the right to assign, withdraw, or suspend such acknowledgment at any time and in its sole discretion. S&P Parties disclaim any duty whatsoever arising out of the assignment, withdrawal, or suspension of an acknowledgment as well as any liability for any damage alleged to have been suffered on account thereof.

S&P keeps certain activities of its business units separate from each other in order to preserve the independence and objectivity of their respective activities. As a result, certain business units of S&P may have information that is not available to other S&P business units. S&P has established policies and procedures to maintain the confidentiality of certain nonpublic information received in connection with each analytical process.

S&P may receive compensation for its ratings and certain analyses, normally from issuers or underwriters of securities or from obligors. S&P reserves the right to disseminate its opinions and analyses. S&P's public ratings and analyses are made available on its Web sites, <u>www.standardandpoors.com</u> (free of charge), and <u>www.capitaliq.com</u> (subscription), and may be distributed through other means, including via S&P publications and third-party redistributors.

Additional information about our ratings fees is available at www.standardandpoors.com/usratingsfees.

STANDARD & POOR'S, S&P and RATINGSDIRECT are registered trademarks of Standard & Poor's Financial Services LLC.