Dan Wilson, research advisor at the Federal Reserve Bank of San Francisco, stated his views on the current economy and the outlook as of March 8, 2018.

- Driven largely by robust consumer spending, real GDP grew at an annual rate of 2.5% in the fourth quarter of 2017, according to the latest Bureau of Economic Analysis estimate. We expect similar growth in 2018, bolstered in part by recent tax cut legislation. Growth is likely to moderate over the following few years toward our estimate of sustainable potential output growth of around 1.7%.

- The labor market remains strong. The January unemployment rate remained at 4.1%, below our estimate of its natural level of 4.75%. Going forward, we expect the rate to fall to around 3.5% in late 2019 before gradually returning to its natural level.

- Inflation recently moved up gradually toward the Federal Open Market Committee’s 2% target, consistent with the strengthening of the labor market. We expect year-over-year core personal consumption expenditures price inflation, which excludes volatile food and energy prices, to reach 2% by the end of 2019.

- Interest rates have increased notably in recent months, consistent with the gradual removal of monetary policy accommodation. Interest rates may also be responding to expected increases in the federal budget deficit and recent data pointing to higher inflation.

- The recently passed Tax Cuts and Jobs Act (TCJA) represents a major fiscal expansion. The Joint Committee on Taxation estimates that the Act will reduce federal budget revenues over the next decade by $1.5 trillion before accounting for any macroeconomic feedback effects. More than half of this cost, and the associated stimulus to the economy, will occur in the first three years.

- The TCJA made significant changes to individual taxes, introducing new brackets and rates, repealing the personal exemption, and doubling the standard deduction. The TCJA also places limits on the deductibility of mortgage interest and state and local tax payments and introduces a deduction of up to 20% of income derived from so-called pass-through businesses. The TCJA makes other large changes to the corporate tax system, most significantly by reducing the corporate tax rate from 35% to 21%. Another notable change is the temporary allowance of full capital expensing, which is likely to boost capital spending over the next few years.

- We expect these changes to individual and corporate taxes to provide a temporary boost to GDP growth over the next three years. Based on the particular features of the Act and our reading of the empirical research on past major tax reforms, we forecast that the TCJA will boost real GDP cumulatively by about 0.9 percentage point by 2020, with most of the boost occurring this year.
Above trend growth continues

Real GDP
Percent change from 4 quarters earlier

Source: Bureau of Economic Analysis and FRBSF staff

Unemployment below natural rate

Unemployment rate
Monthly; seasonally adjusted; forecast is quarterly average

Source: Bureau of Labor Statistics and FRBSF staff

Inflation expected to increase gradually

Personal consumption expenditure (PCE) price inflation
Percent change from 4 quarters earlier

Source: Bureau of Economic Analysis and FRBSF staff

Interest rates are rising

Interest rates
Weekly average

Source: FAME

Taxes are falling

Estimated change in federal revenue
From Tax Cuts and Jobs Act (TCJA)

Billions of dollars

Source: Joint Committee on Taxation and FRBSF staff estimates
Individual tax reform

Change in federal revenue
Due to changes to individual income tax

<table>
<thead>
<tr>
<th>Year</th>
<th>Curb mortgage state and local tax (SALT) deduction</th>
<th>Lower rates, double std. deduction, repeal personal exemption &amp; other</th>
<th>20% deduction for pass-through income</th>
<th>Net total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td><img src="Image1.png" alt="Graph" /></td>
<td><img src="Image2.png" alt="Graph" /></td>
<td><img src="Image3.png" alt="Graph" /></td>
<td><img src="Image4.png" alt="Graph" /></td>
</tr>
<tr>
<td>2019</td>
<td><img src="Image5.png" alt="Graph" /></td>
<td><img src="Image6.png" alt="Graph" /></td>
<td><img src="Image7.png" alt="Graph" /></td>
<td><img src="Image8.png" alt="Graph" /></td>
</tr>
<tr>
<td>2020</td>
<td><img src="Image9.png" alt="Graph" /></td>
<td><img src="Image10.png" alt="Graph" /></td>
<td><img src="Image11.png" alt="Graph" /></td>
<td><img src="Image12.png" alt="Graph" /></td>
</tr>
</tbody>
</table>

Source: Joint Committee on Taxation and FRBSF staff estimates

Corporate tax reform

Change in federal revenue
Due to changes to corporate income tax

<table>
<thead>
<tr>
<th>Year</th>
<th>Base broadening &amp; other</th>
<th>Capital expensing provisions</th>
<th>Rate reduction to 21%</th>
<th>Net total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td><img src="Image13.png" alt="Graph" /></td>
<td><img src="Image14.png" alt="Graph" /></td>
<td><img src="Image15.png" alt="Graph" /></td>
<td><img src="Image16.png" alt="Graph" /></td>
</tr>
<tr>
<td>2019</td>
<td><img src="Image17.png" alt="Graph" /></td>
<td><img src="Image18.png" alt="Graph" /></td>
<td><img src="Image19.png" alt="Graph" /></td>
<td><img src="Image20.png" alt="Graph" /></td>
</tr>
<tr>
<td>2020</td>
<td><img src="Image21.png" alt="Graph" /></td>
<td><img src="Image22.png" alt="Graph" /></td>
<td><img src="Image23.png" alt="Graph" /></td>
<td><img src="Image24.png" alt="Graph" /></td>
</tr>
</tbody>
</table>

Source: Joint Committee on Taxation and FRBSF staff estimates

Note: Estimates exclude international repatriation taxes

Tax plan to boost near-term GDP growth

TCJA's estimated effects on GDP growth

<table>
<thead>
<tr>
<th>Year</th>
<th>Percentage points, Q4/Q4</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>0.5</td>
</tr>
<tr>
<td>2019</td>
<td>0.3</td>
</tr>
<tr>
<td>2020</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Source: FRBSF staff estimates