Economic Review June 6, 2019





AGENDA

ECONOMIC REVIEW MEETING

June 6, 2019 10:00 a.m.

- Approval of meeting minutes from March 20, 2019
- Budget outlook
- Presentation of economic outlook and revenue collection experience





ECONOMIC AND REVENUE FORECAST COUNCIL

PO Box 40912 □ Olympia, Washington 98504-0912 □ (360) 534-1560

Meeting Minutes Revenue Review

March 20, 2019
John A Cherberg, Senate Hearing Room 3

Economic and Revenue Forecast Council

Members Present
Ed Orcutt, House of Representatives, ERFC Chair
Christine Rolfes, Senate
John Braun, Senate
Timm Ormsby, House of Representatives
Duane Davidson, Treasurer
David Schumacher, Office of Financial Management
Vikki Smith, Department of Revenue

Staff
Steve Lerch, Executive Director

Call to Order

Representative Orcutt called the meeting to order at 10:00 a.m.

Motion

Representative Ormsby moved, seconded by Representative Orcutt, to adopt the March 7, 2019 meeting minutes. Motion passed at 10:01 a.m.

Forecast Presentation

Dr. Lerch presented information on the economic and revenue forecast. Dr. Lerch summarized the forecast changes. Discussion ensued regarding housing, recession probabilities, and budget stabilization funds.

Motion

Representative Ormsby moved, seconded by Representative Orcutt, to adopt the baseline revenue forecast. Council approved the motion unanimously at 10:20 a.m.

Adjournment

With no further business, the meeting adjourned at 10:21 a.m.



Economic & Revenue Forecast Council State of Washington

Economic Review: June 6, 2019

Executive Summary

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United States

- This forecast is based on a modified version of IHS Markit's May 2019 Control forecast for the U.S. economy. As usual, we have adjusted real gross domestic product (GDP) to match the Blue Chip "Consensus" GDP forecast. The May Blue Chip forecast for real GDP growth in 2019 and 2020 is 2.6% and 1.9% compared to 2.4% and 1.9% in March. The Blue Chip long-range forecast, which has not been updated since March, calls for growth rates of 1.7%, 1.9%, and 2.0% in 2021, 2022, and 2023.
- Our oil price forecast reflects the futures markets, primarily the Brent (North Sea) oil price but also the West Texas Intermediate (WTI) benchmark. This forecast was based on the Wednesday, May 22, 2019 closing prices for Brent and WTI futures. The latest futures prices begin higher but decline faster than the prices assumed in March.
- This forecast includes all tariffs and retaliation that had been imposed as of May 6, 2019 (the IHS forecast release date). This includes tariffs on \$250 billion of goods imported from China and retaliatory tariffs from China on \$110 billion of US goods. Since then, the United States announced it would raise the tariff rate from 10% to 25% on roughly \$200 billion of goods imported from China. China retaliated by raising tariffs on roughly \$60 billion of U.S. goods exported to China.
- The U.S. economy added 263,000 net new jobs in April. Employment data for February and March were revised up by 16,000 jobs. Sectors with notable employment gains in April included administrative and support services (+53,000), construction (+33,000), health care (+27,000), social assistance (+26,000) and food service and drinking places (+25,000). Sectors with net employment declines in April included retail trade (-12,000), state government (-11,000), commercial banking (-4,000) and advertising and related services (-4,000).
- The second estimate of real U.S. GDP growth for the first quarter of 2019 was 3.1% (SAAR), down from 3.2% in the initial estimate. For all of 2018, real GDP growth was 2.9%.
- Two key measures of consumer confidence increased this month. The University of Michigan consumer sentiment survey increased by 2.8 points to 100.0 in in May. The Conference Board index of consumer confidence increased by 4.9 points in May to 134.1. Consumers responding to the Conference Board survey indicated a more favorable view of the job market but expressed mixed view regarding future income prospects.
- Initial claims for unemployment insurance increased by 3,000 to 215,000 (SA) in the week ending May 25th. The four-week moving average of initial claims decreased by 3,750 to 216,750.

- Industrial production decreased by 0.5% (SA) in April following a revised 0.2% increase in March. New orders for core capital goods (i.e., durables excluding aircraft and military), which is a proxy for business investment, decreased by 0.9% (SA) in April according to advance U.S. Census Bureau data.
- Housing data were mixed this month, with stronger construction activity but weaker sales. Housing units authorized by building permits in April were 0.6% (SA) above their March level but 5.0% below their year-ago level. April housing starts increased by 5.7% (SA) compared to March but were 2.5% below their April 2018 level. New home sales in April decreased by 6.9% (SA) compared to April but were 7.0% above their year-ago level. Existing home sales decreased slightly in April, falling by 0.4% (SA) compared to March and were down 4.4% compared to April 2018. The seasonally adjusted Case-Shiller national home price index for March was 0.3% above its February level and 3.7% above its year-ago level.
- Major threats to the U.S. and Washington economies remain, including concerns about international trade and fiscal policy as well as geopolitical risks.

Washington

- We have two months of new Washington employment data since the March forecast was released. Total nonfarm payroll employment rose 19,800 (seasonally adjusted) in March and April which was 6,000 more than expected in the March forecast. The construction sector added 5,000 jobs but manufacturing lost 400 jobs. Private services-providing sectors added 12,700 jobs in the two-month period and government employment increased by 2,500 jobs.
- We have also incorporated another quarter of benchmark employment data from the Quarterly Census of Employment and Wages (QCEW). The new QCEW data and other revisions lowered the estimated level of total employment in February 2019 by 3,800 jobs (0.1%). As a result of the downward revision to history and stronger-than-expected growth, the combined effect is 2,200 (0.1%) more jobs in April 2019 than expected in the March forecast.
- Washington's unemployment rate edged up to 4.7% in April from 4.6% in March and 4.5% in February. The rate was at its all-time low of 4.4% as recently as October 2018. The reason for the increase in the last six months is that although employment has continued to grow, the labor force has grown faster.
- In March, the Bureau of Economic Analysis released estimates for state personal income through the fourth quarter of 2018. We have incorporated the new BEA estimates as well as additional Washington Quarterly Census of Employment and Wages (QCEW) data. Our current estimate of Washington personal income in the fourth quarter of 2018 is \$0.9 billion (0.2%) higher than assumed in the March forecast. Wages were \$1.1 billion (0.4%) higher than expected but nonwage income was \$0.2 billion (0.1%) below the forecast.

- Washington housing construction declined in the first quarter of 2019 but was still slightly higher than expected in the March forecast. Housing units authorized by building permits declined from 48,600 (SAAR) in the fourth quarter of 2018 to 43,800 in the first quarter of 2019. In the first quarter, 21,100 single-family and 22,700 multi-family units were permitted. The March forecast expected 42,900 units in the first quarter as a whole, consisting of 23,800 single-family units and 19,200 multi-family units. Washington housing construction got off to a very strong start in the second quarter of 2019, though mostly as a result of a surge in multi-family permits. In April, 56,700 units (SAAR) were permitted consisting of 21,700 single-family permits and 35,000 multi-family permits. The March forecast assumed an average rate of 42,700 (SAAR) units for the second quarter as a whole.
- Seattle home price appreciation has clearly cooled. According to the S&P/Case-Shiller Home Price Indices, seasonally adjusted Seattle area home prices were unchanged in March following a 0.1% increase in February. On a monthly basis, Seattle home prices have, on average, been trending down since May 2018. In March, the over-the-year growth was 1.6% in Seattle compared to 2.6% for the 20-City Composite Home Price Index. Seattle home prices are still up 89% since the December 2011 trough and exceed the May 2007 peak by 31%.
- Seattle area consumer price inflation remains slightly above the national average due to shelter cost inflation. Over the last year, from April 2018 to April 2019, consumer prices in the Seattle area rose 2.4% (seasonally adjusted) compared to 2.0% for the U.S. city average. Core prices, which exclude food and energy, increased 2.6% in Seattle compared to 2.1% for the nation. Shelter costs rose 5.0% over the year in Seattle compared to the U.S. city average 3.4% rate. Seattle inflation excluding shelter costs was only 0.8% in Seattle during the year compared to the national rate of 1.3%.
- Washington exports declined over the year for a second consecutive quarter. Washington exports declined 3.8% in the first quarter of 2019 compared to the first quarter of 2018. Exports of transportation equipment (mostly Boeing planes) fell 8.0% over the year. Agricultural exports increased 3.1% while exports of all other commodities (mostly manufacturing) decreased 0.5%.
- Washington real Gross Domestic Product (GDP) rose 5.7% in 2018 which was the highest among the states and District of Columbia and was much greater than the 2.9% growth rate for the U.S. as a whole. The difference between Washington and U.S. real GDP growth in 2018 was mostly due to two sectors: retail trade (which includes electronic shopping) and information (which includes software publishing and other IT services such as internet publishing and web search portals).
- The Institute of Supply Management Western Washington Index (ISM-WW) decreased in April but remained in positive territory. The index, which measures conditions in the manufacturing sector, declined from 57.8 in March to 54.0 in April (index values above 50 indicate growth while values below 50 indicate contraction). The index has exceeded 50 in each of the last 21 months. The production, orders, employment, and vendor deliveries components indicated expansion in April while the inventory component indicated contraction.
- Car and truck sales improved in April. Seasonally adjusted new vehicle registrations rose 2.1% to 300,800 (SAAR) in April. Car and truck sales are

- up 0.3% over the year but down 10.2% since the November 2017 post-recession peak.
- We expect 2.2% Washington employment growth this year which is the same rate expected in the March forecast. As in March, we expect growth to decelerate. We expect employment growth to average 1.2% per year in 2020 through 2023, up slightly from 1.1% in the March forecast. Our forecast for nominal personal income growth this year is 4.8%, up from 4.6% in the March forecast. Our new forecast for nominal personal income growth in 2020 through 2023 averages 4.8% per year, the same rate as in the March forecast.

Washington State Economic Outlook & Revenue Collection Experience

Presented to
The Economic & Revenue Forecast Council

Steve Lerch
Executive Director

June 6, 2019 Olympia, Washington







Summary

- The preliminary economic forecast for both the U.S. and WA are very similar to the March forecast
- Despite a strong labor market, wage growth and inflation remain moderate
- Downside risks to the baseline include uncertainty regarding trade policy, geopolitical concerns and a maturing economic expansion
- Revenue collections since the March forecast are \$0.4 million (0.0%) above expectations

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Slide :

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Forecast risks

Upside

- Elevated consumer, business confidence could translate into stronger growth
- Strong U.S., WA labor markets

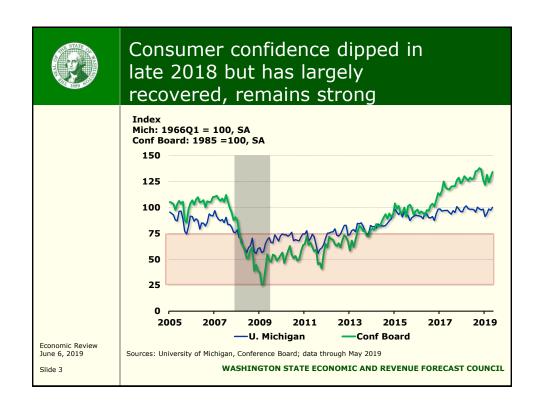
Downside

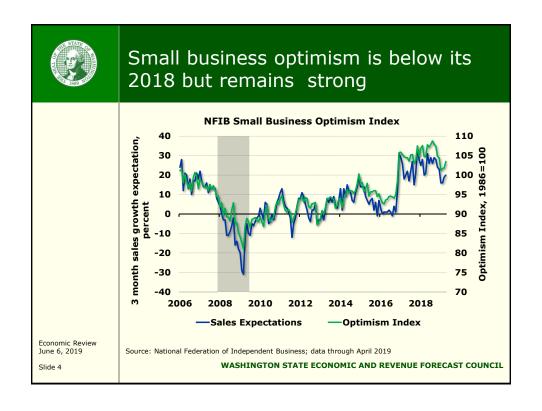
- International trade policy uncertainty
- Geopolitical risks: North Korea, China, Russia, Iran, Venezuela, Brexit
- Maturing economic expansion

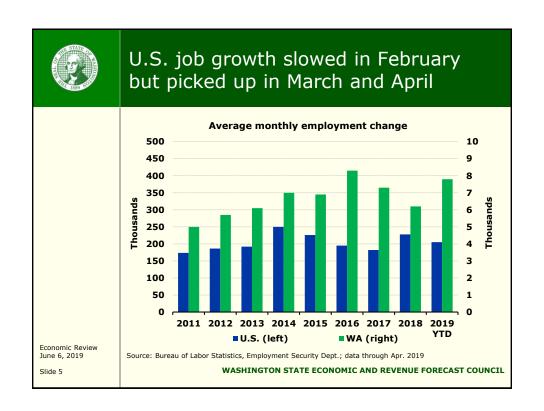
Economic Review June 6, 2019

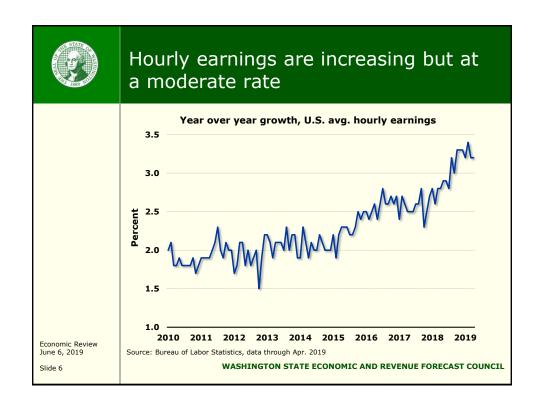
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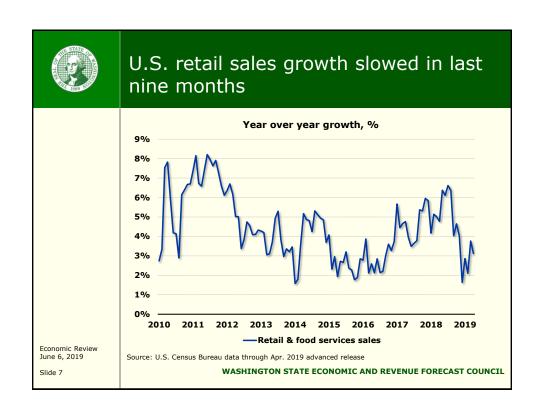
WASHINGTON STATE ECONOMIC AND REVENUE FORECAST COUNCIL

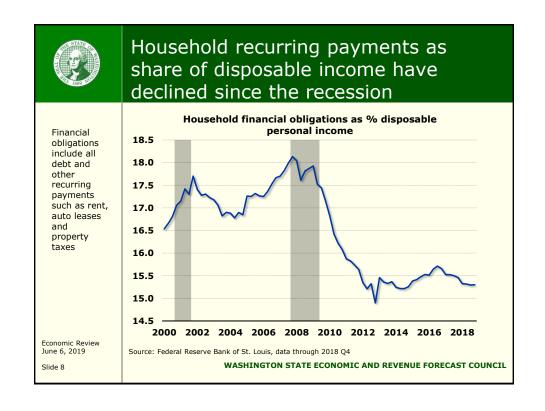


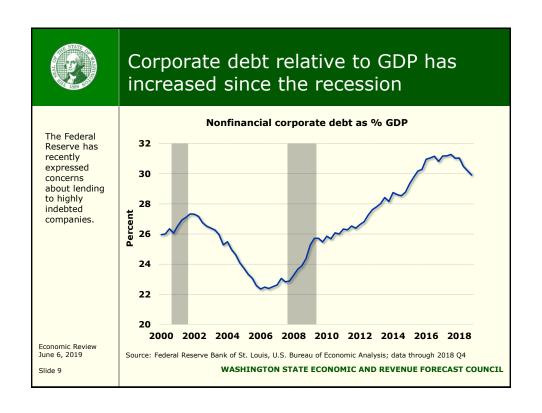


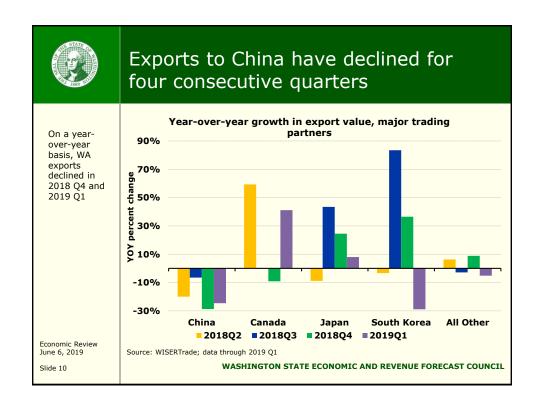




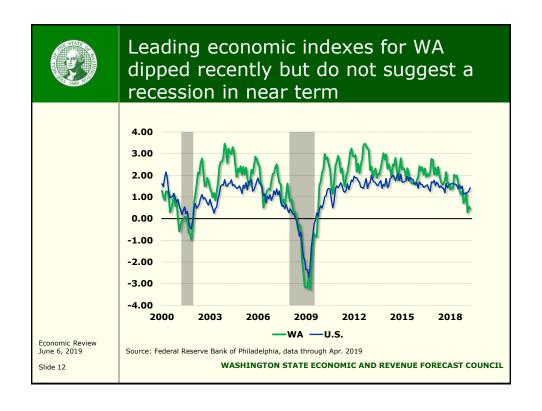


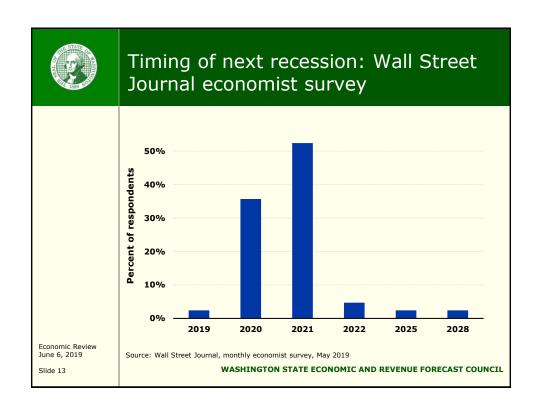


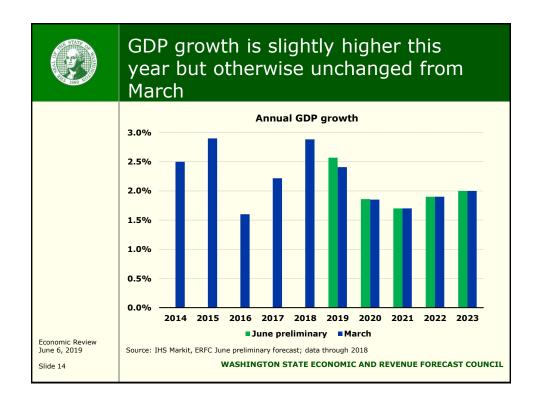


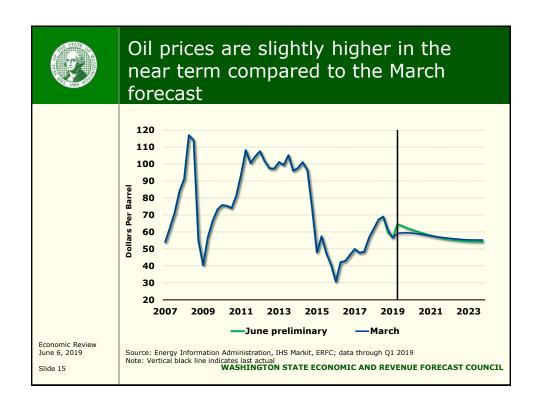


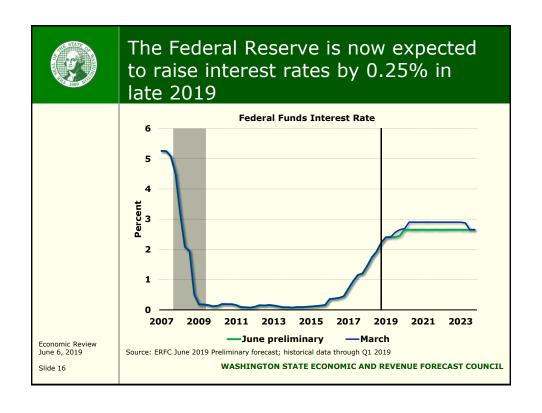


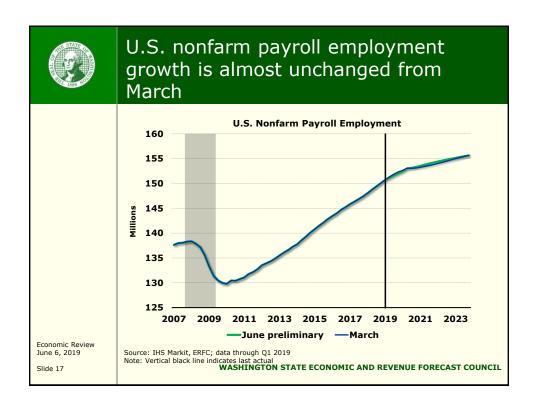


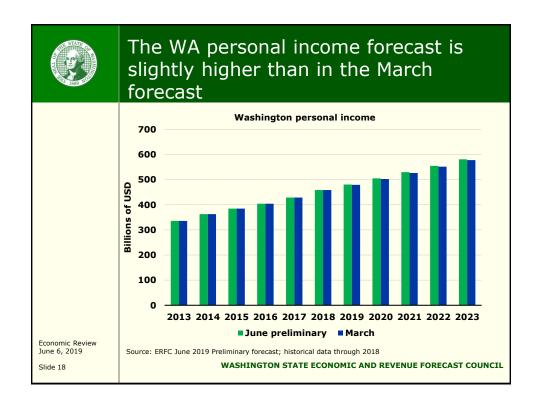


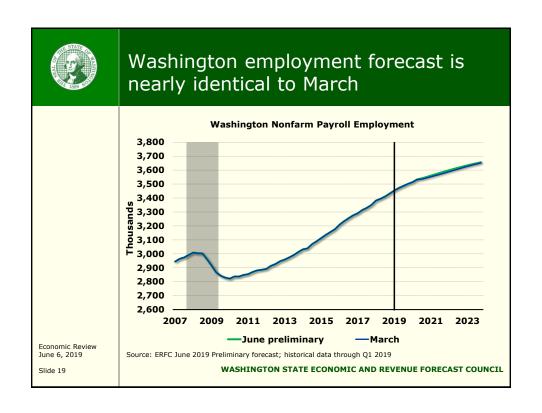


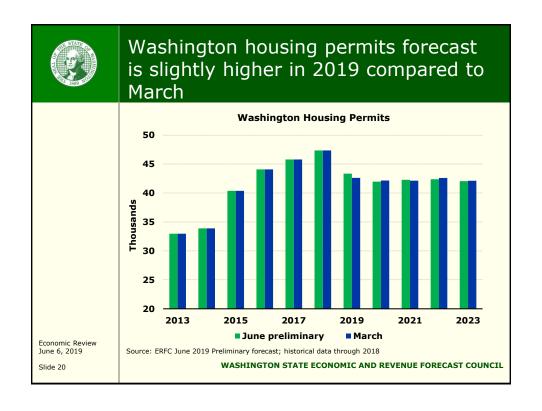


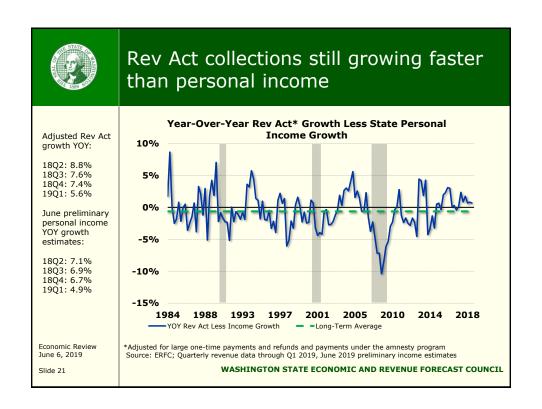


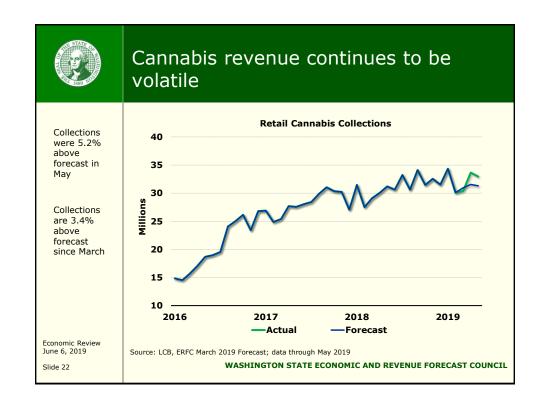


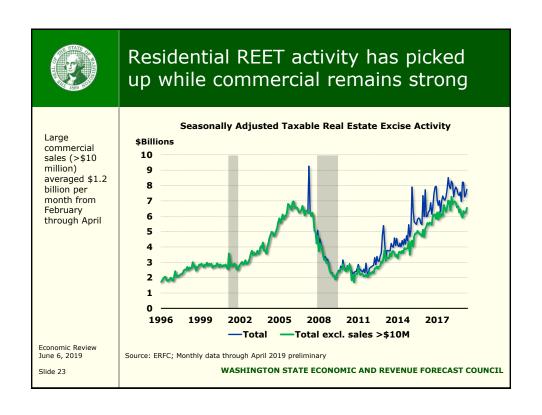






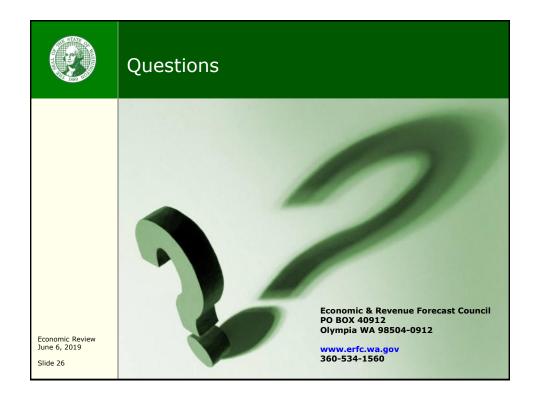






	Revenue collections to date								
	C		riance Since I h 11 – May 10 ollars in thousand	, 2019)	ast				
		<u>Estimate</u>	<u>Actual</u>	<u>Difference</u>	<u>Pct.</u>				
	Dept. of Revenue	\$3,193,068	\$3,193,889	\$821	0.0%				
	All other agencies	\$11,994	\$11,615	(\$379)	-3.2%				
	Total GF-S	\$3,205,062	\$3,205,504	\$442	0.0%				
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U.S. Economic Forecast Comparison

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May 2019	•										
·	2019Q1	2019Q2	2019Q3	2019Q4	-	2018	2019	2020	2021	2022	2023
Real GDP, Percent Change, Ann	ual Rate										
ERFC (Preliminary June)	3.2	1.7	2.0	2.0		2.9	2.6	1.9	1.7	1.9	2.0
IHS	3.2	2.0	2.2	2.1		2.9	2.7	2.1	1.8	1.5	1.5
Economy.com	3.2	1.7	2.5	2.3		2.9	2.6	1.7	2.1		
Blue Chip Average*		2.0	2.2	2.0			2.6	1.9	1.7	1.9	2.0
Blue Chip Top 10*		2.6	2.7	2.6			2.8	2.3	2.2	2.3	2.4
Blue Chip Bottom 10*		1.4	1.7	1.3			2.3	1.2	1.3	1.6	1.6
Real Consumption, Percent Cha	nge, Annu	al Rate									
ERFC (Preliminary June)	1.2	2.7	2.3	2.3		2.6	2.4	2.1	1.9	2.0	2.0
IHS	1.2	3.0	2.4	2.6		2.6	2.5	2.8	2.8	2.4	2.2
Economy.com	1.2	2.3	1.9	1.7		2.6	2.2	1.4	1.4		
Blue Chip Average*		2.8	2.3	2.2			2.4	2.1	1.9	2.0	2.0
Blue Chip Top 10*		3.4	2.8	2.7			2.5	2.6	2.3	2.5	2.
Blue Chip Bottom 10*		2.2	1.8	1.6			2.1	1.5	1.4	1.7	1.0
Todoval Euroda Data											
Federal Funds Rate	2.4	2.4	2.4	2.5		1.0	2.4	2.7	2.6	2.7	2.
ERFC (Preliminary June)	2.4	2.4	2.4	2.5		1.8	2.4	2.7	2.6	2.7	2.6
IHS	2.4	2.4	2.4	2.5		1.8	2.4	2.7	2.6	2.7	2.6
Economy.com	2.4	2.4	2.5	2.5		1.8	2.4	2.7	2.9		
Three Month T-Bill Rate											
ERFC (Preliminary June)	2.4	2.5	2.4	2.4		1.9	2.4	2.5	2.4	2.4	2.
IHS	2.4	2.5	2.4	2.4		1.9	2.4	2.5	2.5	2.4	2.4
Blue Chip Average*		2.4	2.4	2.4			2.4	2.4	2.5	2.6	2.
Blue Chip Top 10*		2.5	2.5	2.6			2.6	2.8	3.2	3.3	3.
Blue Chip Bottom 10*		2.4	2.3	2.2			2.4	1.8	1.6	1.7	2.
LO-Yr. T-Note Yield											
ERFC (Preliminary June)	2.7	2.6	2.7	2.7		2.9	2.7	2.9	3.1	3.2	3.
IHS	2.7	2.6	2.7	2.8		2.9	2.7	2.9	3.1	3.2	3.:
	2.7	2.5	2.7	2.9		2.9	2.7	3.2	3.5	5.2	5
Economy.com	2.7	2.5		2.9		2.9	2.7	2.8	3.1	3.2	3.4
Blue Chip Average*		2.0	2.6	2./			2.0	2.0	3.1	3.2	
Plus Chin Ton 10*		2.7	2.0	2.0			2.0	2 1	2.0	2.0	
•				3.0 2.4		2.4	2.8 2.5	3.1 2.4	3.8 2.4	3.8 2.7	2.9
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS	0.9 0.9	2.5 Annual Ra 4.1 4.4	2.5 te 2.5 3.0	2.4 2.2 2.2	i	2.4 2.4 2.4	2.5 2.1 2.2	2.4	2.4 2.1 2.3		2.9
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com	0.9	2.5 Annual Ra 4.1 4.4 3.4	2.5 te 2.5 3.0 2.4	2.4 2.2 2.2 2.2			2.5 2.1 2.2 2.0	2.4 2.2 2.2 2.1	2.4 2.1 2.3 2.2	2.7 2.1 2.4	2.9
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average*	0.9 0.9	2.5 Annual Ra 4.1 4.4 3.4 3.1	2.5 te 2.5 3.0 2.4 2.2	2.4 2.2 2.2 2.2 2.1		2.4	2.5 2.1 2.2 2.0 1.9	2.4 2.2 2.2 2.1 2.2	2.4 2.1 2.3 2.2 2.2	2.7 2.1 2.4 2.2	2.0
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com	0.9 0.9	2.5 Annual Ra 4.1 4.4 3.4	2.5 te 2.5 3.0 2.4	2.4 2.2 2.2 2.2		2.4	2.5 2.1 2.2 2.0	2.4 2.2 2.2 2.1	2.4 2.1 2.3 2.2	2.7 2.1 2.4	2.0 2.0 2.0 2.0
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10*	0.9 0.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2	2.5 te 2.5 3.0 2.4 2.2 2.8	2.4 2.2 2.2 2.2 2.1 2.5		2.4	2.5 2.1 2.2 2.0 1.9 2.2	2.4 2.2 2.2 2.1 2.2 2.6	2.4 2.1 2.3 2.2 2.2 2.6	2.7 2.1 2.4 2.2 2.6	2.0 2.0 2.0 2.0
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10*	0.9 0.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2	2.5 te 2.5 3.0 2.4 2.2 2.8	2.4 2.2 2.2 2.2 2.1 2.5		2.4	2.5 2.1 2.2 2.0 1.9 2.2	2.4 2.2 2.2 2.1 2.2 2.6	2.4 2.1 2.3 2.2 2.2 2.6	2.7 2.1 2.4 2.2 2.6 1.9	2. · · · · · · · · · · · · · · · · · · ·
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions	0.9 0.9 0.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9	2.5 3.0 2.4 2.2 2.8 1.7	2.4 2.2 2.2 2.2 2.1 2.5 1.6		2.4	2.5 2.1 2.2 2.0 1.9 2.2 1.7	2.4 2.2 2.2 2.1 2.2 2.6 1.8	2.4 2.1 2.3 2.2 2.2 2.6 1.9	2.7 2.1 2.4 2.2 2.6 1.9	2.0 2.0 2.0 2.0 1.0
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June)	0.9 0.9 0.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9	2.5 3.0 2.4 2.2 2.8 1.7	2.4 2.2 2.2 2.2 2.1 2.5 1.6		2.4 2.4 149.1	2.5 2.1 2.2 2.0 1.9 2.2 1.7	2.4 2.2 2.2 2.1 2.2 2.6 1.8	2.4 2.1 2.3 2.2 2.2 2.6 1.9	2.7 2.1 2.4 2.2 2.6 1.9	2.0 2.0 2.0 2.0 1.0
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate	0.9 0.9 0.9 0.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9	2.5 3.0 2.4 2.2 2.8 1.7	2.4 2.2 2.2 2.2 2.1 2.5 1.6		2.4 2.4 149.1 1.7	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5	2.4 2.2 2.2 2.1 2.2 2.6 1.8	2.4 2.1 2.3 2.2 2.2 2.6 1.9 153.9 0.6	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5	2.· 2.· 2.· 2.· 1.· 155 0.· 154
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS	0.9 0.9 0.9 0.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2	2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1		2.4 2.4 149.1 1.7 149.1	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.4	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8	2.· 2.· 2.· 2.· 1.· 155 0.· 154
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate	0.9 0.9 0.9 0.9 150.7 1.7 150.7	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4	2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2		2.4 2.4 149.1 1.7 149.1 1.7	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.4 1.6	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3 0.7	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8	2.0 2.0 2.0 2.0 1.9 155 0.0
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3	2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4		2.4 2.4 149.1 1.7 149.1 1.7 149.1	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.4 1.6 151.5	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8	2.· 2.· 2.· 2.· 1.· 155 0.· 154
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3	2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3		2.4 2.4 149.1 1.7 149.1 1.7 149.1	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.4 1.6 151.5	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8	2.: 2.: 2.: 2.: 1.: 1555 0.: 1544 0.:
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6	2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4		2.4 2.4 149.1 1.7 149.1 1.7 149.1	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.4 1.6 151.5 1.6	2.4 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9	2.4 2.1 2.3 2.2 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3	2.: 2.: 2.: 2.: 1.: 1555 0.: 1544 4.:
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Unemployment Rate, Percent ERFC (Preliminary June)	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 150.7 1.7	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4		2.4 2.4 2.4 149.1 1.7 149.1 1.7 149.1 1.7	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.5 1.6 3.7	2.4 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3	2 2 2 2 1 1555 0 1544 0
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Unemployment Rate, Percent ERFC (Preliminary June) IHS Economy.com	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 150.7 1.7	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.7 3.6	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4		2.4 2.4 149.1 1.7 149.1 1.7 149.1 3.9 3.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.4 1.6 151.5 1.6 3.7 3.6 3.6	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3	2.· 2.· 2.· 2.· 1.· 1555 0.· 154 0.·
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Blue Chip Average*	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 150.7 1.7	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.7 3.6 3.7	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5 3.6	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4 3.6		2.4 2.4 149.1 1.7 149.1 1.7 149.1 3.9 3.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.4 1.6 151.5 1.6 3.7 3.6 3.6 3.7	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9 3.6 3.5 3.4 3.6	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2 4.1	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3 4.0 3.9 4.2	2.0 2.0 2.0 2.0 1.5 1555 0.0 1544 0.0
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Indiana Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Inemployment Rate, Percent ERFC (Preliminary June) IHS Economy.com	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 150.7 1.7	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.7 3.6	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4		2.4 2.4 149.1 1.7 149.1 1.7 149.1 3.9 3.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.4 1.6 151.5 1.6 3.7 3.6 3.6	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3	2.9 2.0 2.0 2.0 1.9 1555 0.0 1544 0.0
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Blue Chip Average* Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10*	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 150.7 1.7	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.6 3.7 3.6 3.7 3.8 3.6	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5 3.6 3.8 3.5	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4 3.6 3.9 3.4		2.4 2.4 149.1 1.7 149.1 1.7 149.1 3.9 3.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.4 1.6 151.5 1.6 3.7 3.6 3.6 3.7 3.8	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9 3.6 3.5 3.4 3.6 4.2	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2 4.1 4.9	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3 4.0 3.9 4.2 5.0	2.0 2.0 2.0 2.0 1.5 1.5 0.0 1.5 4.0 4.0
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Blue Chip Average* Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10*	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 150.7 1.7	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.6 3.7 3.6 3.7 3.8 3.6	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5 3.6 3.8 3.5	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4 3.6 3.9 3.4		2.4 2.4 149.1 1.7 149.1 1.7 149.1 3.9 3.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.4 1.6 151.5 1.6 3.7 3.6 3.6 3.7 3.8	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9 3.6 3.5 3.4 3.6 4.2	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2 4.1 4.9	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3 4.0 3.9 4.2 5.0	2 2 2 2 1.55 0 154 0 4 4 4 3
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Top 10* Blue Chip Bottom 10* Real Disposable Personal Income	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 3.9 3.9 3.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.6 3.7 3.6 3.7 3.6 3.7 3.6 3.7 3.6 0.3 3.6 3.7 3.8	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5 3.6 3.8 3.5 , Annual I 1.8	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4 3.6 3.9 3.4 Rate 2.6		2.4 2.4 2.4 149.1 1.7 149.1 1.7 3.9 3.9 3.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.5 1.6 3.7 3.6 3.6 3.7 3.8 3.6	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9 3.6 3.5 3.4 3.6 4.2 3.3	2.4 2.1 2.3 2.2 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2 4.1 4.9 3.5	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3 4.0 3.9 4.2 5.0 3.6	2.9 2.0 2.0 2.0 1.9 155 0.4 0.0 4.2 4.3 3.3
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Unemployment Rate, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Real Disposable Personal Incom ERFC (Preliminary June) IHS	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 1.7 3.9 3.9 3.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.6 3.7 3.6 3.7 3.8 3.6 at Change 0.3 0.2	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5 3.6 3.8 3.5 , Annual I 1.8 1.6	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4 3.6 3.9 3.4 Rate 2.6 2.7		2.4 2.4 2.4 149.1 1.7 149.1 1.7 3.9 3.9 3.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.5 1.6 3.7 3.6 3.6 3.7 3.8 3.6 3.7 3.8	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9 3.6 3.5 3.4 3.6 4.2 3.3	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2 4.1 4.9 3.5	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3 4.0 3.9 4.2 5.0 3.6	2.1. 2.1. 2.1. 1.55 0.4 1.54 0 4.1. 4.1. 3 2.1. 1.1.
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Unemployment Rate, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Real Disposable Personal Incom ERFC (Preliminary June) IHS Blue Chip Average*	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 3.9 3.9 3.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.7 3.6 3.7 3.8 3.6 At Change 0.3 0.2 1.4	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5 3.6 3.8 3.5 , Annual I 1.8 1.6 2.1	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4 3.6 3.9 3.4 Rate 2.6 2.7 2.3		2.4 2.4 2.4 149.1 1.7 149.1 1.7 3.9 3.9 3.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.5 1.6 3.7 3.6 3.6 3.7 3.8 3.6 2.3 2.2 2.4	2.4 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9 3.6 3.5 3.4 3.6 4.2 3.3	2.4 2.1 2.3 2.2 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2 4.1 4.9 3.5	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3 4.0 3.9 4.2 5.0 3.6 2.1 1.9 2.0	2.: 2.: 2.: 2.: 1.: 1.55 0.: 1.54 0.: 4.: 4.: 4.: 3.: 2.: 1.: 2.: 2.: 2.: 2.: 2.: 2.: 2.: 2.: 2.: 2
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Unemployment Rate, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Real Disposable Personal Incom ERFC (Preliminary June) IHS	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 3.9 3.9 3.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.6 3.7 3.6 3.7 3.8 3.6 at Change 0.3 0.2	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5 3.6 3.8 3.5 , Annual I 1.8 1.6	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4 3.6 3.9 3.4 Rate 2.6 2.7		2.4 2.4 2.4 149.1 1.7 149.1 1.7 3.9 3.9 3.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.5 1.6 3.7 3.6 3.6 3.7 3.8 3.6 3.7 3.8	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9 3.6 3.5 3.4 3.6 4.2 3.3	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2 4.1 4.9 3.5	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3 4.0 3.9 4.2 5.0 3.6	2.5 2.6 2.6 1.5 155 0.4 4.6 4.6 3.7 2.6 2.6 2.6 2.6 4.7 4.7 4.7 4.7 4.7 2.6 2.6 2.6 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Real Disposable Personal Income ERFC (Preliminary June) IHS Blue Chip Average* Blue Chip Average* Blue Chip Fop 10* Blue Chip Average* Blue Chip Bottom 10* Blue Chip Top 10* Blue Chip Bottom 10* Blue Chip Bottom 10*	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 3.9 3.9 3.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.6 3.7 3.6 3.7 3.6 3.7 3.6 3.7 3.8 3.6 At Change 0.3 0.2 1.4 2.7	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5 3.6 3.8 3.5 , Annual I 1.8 1.6 2.1 2.9	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4 3.6 3.9 3.4 Rate 2.6 2.7 2.3 2.9		2.4 2.4 2.4 149.1 1.7 149.1 1.7 3.9 3.9 3.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.5 1.6 3.7 3.6 3.6 3.7 3.8 3.6 2.3 2.2 2.4 2.9	2.4 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9 3.6 3.5 3.4 3.6 4.2 3.3 2.6 2.7 2.1 2.7	2.4 2.1 2.3 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2 4.1 4.9 3.5	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3 4.0 3.9 4.2 5.0 3.6 2.1 1.9 2.0 2.4	2.: 2.: 2.: 2.: 1.: 1.: 1.: 1.: 1.: 1.: 1.: 1.: 1.: 1
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Real Disposable Personal Incom ERFC (Preliminary June) IHS Blue Chip Average* Blue Chip Average* Blue Chip Bottom 10* Blue Chip Average* Blue Chip Top 10* Blue Chip Dop 10* Blue Chip Average* Blue Chip Bottom 10* Rest Texas Intermediate	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 3.9 3.9 3.9 3.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.6 3.7 3.6 3.7 3.6 3.7 3.6 3.7 3.8 3.6 At Change 0.3 0.2 1.4 2.7 0.1	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5 3.6 3.8 3.5 , Annual I 1.8 1.6 2.1 2.9 1.4	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4 3.6 3.9 3.4 Rate 2.6 2.7 2.3 2.9 1.7		2.4 2.4 2.4 149.1 1.7 149.1 1.7 3.9 3.9 3.9 2.9 2.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.6 151.5 1.6 3.7 3.6 3.6 3.7 3.8 3.6 2.3 2.2 2.4 2.9 1.9	2.4 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9 3.6 3.5 3.4 3.6 4.2 3.3 2.6 2.7 1.5	2.4 2.1 2.3 2.2 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2 4.1 4.9 3.5 2.4 2.5 1.8 2.2 1.4	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3 4.0 3.9 4.2 5.0 3.6 2.1 1.9 2.0 2.4 1.7	2.6 2.6 2.6 2.6 1.5 155 0.4 1.5 4.3 4.3 2.6 1.8 2.6 1.8
Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Blue Chip Average* Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Real Disposable Personal Incom ERFC (Preliminary June) IHS Blue Chip Average* Blue Chip Average* Blue Chip Bottom 10* Real Disposable Personal Incom ERFC (Preliminary June) IHS Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* West Texas Intermediate ERFC (Preliminary June)	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 1.7 3.9 3.9 3.9 3.9 3.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.6 3.7 3.8 3.6 3.7 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5 3.6 3.8 3.5 , Annual I 2.9 1.4	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4 3.6 3.9 3.4 Rate 2.6 2.7 2.3 2.9 1.7		2.4 2.4 2.4 149.1 1.7 149.1 1.7 3.9 3.9 3.9 2.9 2.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.5 151.5 1.6 3.7 3.6 3.6 3.7 3.8 3.6 2.3 2.2 2.4 2.9 1.9	2.4 2.2 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9 3.6 3.5 3.4 3.6 4.2 3.3 2.6 2.7 2.1 2.7 1.5	2.4 2.1 2.3 2.2 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2 4.1 4.9 3.5 2.4 2.5 1.8 2.2 1.4	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3 4.0 3.9 4.2 5.0 3.6 2.1 1.9 2.0 2.4 1.7	2.6 2.6 2.6 2.6 1.5 155 0.4 1.5 4.2 4.3 3.7 2.6 1.8 2.6 1.8 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6
Blue Chip Bottom 10* Consumer Price Index, Percent ERFC (Preliminary June) IHS Economy.com Blue Chip Average* Blue Chip Top 10* Blue Chip Bottom 10* Payroll Employment, Millions ERFC (Preliminary June) Percent Change, Annual Rate IHS Percent Change, Annual Rate Economy.com Percent Change, Annual Rate Economy.com Bue Chip Average* Blue Chip Average* Blue Chip Bottom 10* Real Disposable Personal Income ERFC (Preliminary June) IHS Blue Chip Average* Blue Chip Average* Blue Chip Bottom 10* Blue Chip Average* Blue Chip Average* Blue Chip Bottom 10* Blue Chip Average* Blue Chip Bottom 10*	0.9 0.9 0.9 0.9 150.7 1.7 150.7 1.7 3.9 3.9 3.9 3.9	2.5 Annual Ra 4.1 4.4 3.4 3.1 4.2 1.9 151.2 1.3 151.2 1.4 151.3 1.6 3.7 3.6 3.7 3.6 3.7 3.6 3.7 3.6 3.7 3.8 3.6 At Change 0.3 0.2 1.4 2.7 0.1	2.5 te 2.5 3.0 2.4 2.2 2.8 1.7 151.6 1.2 151.7 1.3 151.8 1.4 3.6 3.5 3.5 3.6 3.8 3.5 , Annual I 1.8 1.6 2.1 2.9 1.4	2.4 2.2 2.2 2.1 2.5 1.6 152.0 1.1 152.1 1.2 152.3 1.4 3.5 3.5 3.4 3.6 3.9 3.4 Rate 2.6 2.7 2.3 2.9 1.7		2.4 2.4 2.4 149.1 1.7 149.1 1.7 3.9 3.9 3.9 2.9 2.9	2.5 2.1 2.2 2.0 1.9 2.2 1.7 151.4 1.6 151.5 1.6 3.7 3.6 3.6 3.7 3.8 3.6 2.3 2.2 2.4 2.9 1.9	2.4 2.2 2.1 2.2 2.6 1.8 153.0 1.1 153.2 1.2 152.9 0.9 3.6 3.5 3.4 3.6 4.2 3.3 2.6 2.7 1.5	2.4 2.1 2.3 2.2 2.2 2.6 1.9 153.9 0.6 154.3 0.7 152.8 -0.1 3.7 3.6 4.2 4.1 4.9 3.5 2.4 2.5 1.8 2.2 1.4	2.7 2.1 2.4 2.2 2.6 1.9 154.7 0.5 154.8 0.3 4.0 3.9 4.2 5.0 3.6 2.1 1.9 2.0 2.4 1.7	3.8 2.9 2.0 2.2 2.2 2.6 1.5 155 0.4 0.1 4.2 4.3 3.7 2.0 1.8 2.1 1.7 53. 67.

 $[\]boldsymbol{*}$ Forecasts beyond 2020 are from the March 2019 Blue Chip Economic Indicators

J.S. Forecast Comparison				
	2019Q1	2019Q2	2019Q3	2019Q4
Real GDP (Billions of 2012 Dolla	ırs)			
June Forecast, Preliminary	18,912	18,992	19,088	19,182
Percent Change	3.2%	1.7%	2.0%	2.0%
March Forecast	18,852	18,971	19,078	19,172
Percent Change	1.4%	2.6%	2.3%	2.0%
Real Consumption (Billions of 20	012 Dollars	s)		
June Forecast, Preliminary	13,071	13,160	13,236	13,312
Percent Change	1.2%	2.7%	2.3%	2.3%
March Forecast	13,101	13,183	13,259	13,333
Percent Change	1.7%	2.5%	2.3%	2.2%
PCE Price Index (2012=100)				
June Forecast, Preliminary	109.0	109.8	110.3	110.9
Percent Change	0.6%	2.7%	2.1%	2.0%
March Forecast	109.3	109.9	110.4	111.0
Percent Change	1.4%	2.2%	2.1%	2.0%
Real Personal Income (Billions o	of 2012 Do	llars)		
June Forecast, Preliminary	16,539	16,561	16,634	16,739
Percent Change	2.7%	0.5%	1.8%	2.6%
March Forecast	16,520	16,598	16,691	16,783
Percent Change	2.3%	1.9%	2.3%	2.2%
Nonfarm Payroll Employment (N	Millions)			
June Forecast, Preliminary	150.7	151.2	151.6	152.0
Percent Change	1.7%	1.3%	1.2%	1.1%
March Forecast	150.8	151.4	151.9	152.3
Percent Change	1.9%	1.5%	1.4%	1.1%
Unemployment Rate (Percent of	f Labor For	ce)		
June Forecast, Preliminary	3.9	3.7	3.6	3.5
March Forecast	3.8	3.5	3.5	3.5
Oil Price, Refiner's Acquisition				
June Forecast, Preliminary	56.7	64.6	63.5	62.2
March Forecast	56.6	59.1	59.4	59.5
30 Year Fixed Mortgage Rate (P	ercent, ave	erage)		
June Forecast, Preliminary	4.4	4.3	4.4	4.4
March Forecast	4.4	4.5	4.6	4.6
3 Month T-Bill Rate (Percent, av	verage)			
June Forecast, Preliminary	2.4	2.5	2.4	2.4
March Forecast	2.4	2.5	2.6	2.6
Trainer Forecase	2.1	2.5	2.0	2.0

	2019Q1	2019Q2	2019Q3	2019Q4
eal Personal Income (Billio	ns of 2012 Do	llars)		
une Forecast, Preliminary	434.5	435.1	437.2	440.6
Percent Change	4.5%	0.5%	2.0%	3.1%
March Forecast	431.6	433.5	436.5	439.6
Percent Change	2.5%	1.7%	2.8%	2.9%
Personal Income (Billions of	Dollars)			
lune Forecast, Preliminary	473.7	477.5	482.4	488.5
Percent Change	5.1%	3.2%	4.1%	5.2%
March Forecast	471.6	476.2	482.1	487.9
Percent Change	4.0%	4.0%	5.0%	4.9%
Pisposable Personal Income	(Billions of D	ollars)		
une Forecast, Preliminary	421.3	424.7	429.1	434.6
Percent Change	4.7%	3.2%	4.2%	5.2%
March Forecast	420.0	424.3	429.5	434.8
Percent Change	4.1%	4.2%	5.0%	4.9%
Nonfarm Payroll Employmen	t (Thousands)			
June Forecast, Preliminary	3453	3473	3487	3501
Percent Change	2.4%	2.4%	1.6%	1.6%
March Forecast	3454	3469	3487	3502
Percent Change	2.6%	1.8%	2.0%	1.8%
Unemployment Rate (Percen	t of Labor For	ce)		
June Forecast, Preliminary	4.6	4.6	4.5	4.5
March Forecast	4.5	4.4	4.3	4.4
Manufacturing Employment ((Thousands)			
June Forecast, Preliminary	292.2	292.8	292.6	293.2
Percent Change	1.1%	0.8%	-0.2%	0.9%
March Forecast	292.6	293.0	293.5	294.3
Percent Change	2.1%	0.5%	0.7%	1.2%
Construction Employment (T	housands)			
lune Forecast, Preliminary	220.9	223.0	221.8	221.3
Percent Change	4.5%	3.7%	-2.1%	-0.8%
March Forecast	217.7	216.8	215.8	215.6
Percent Change	1.6%	-1.6%	-1.9%	-0.3%
Housing Permits (Thousands	s)			
une Forecast, Preliminary	43.8	48.0	40.7	41.0

Economic and Revenue Forecast Council

3.9%

3.9%

45.8

3.4%

47.4

3.4%

42.6

-10.0%

-3.2%

42.2

-1.1%

0.8%

42.1

-0.1%

0.2%

42.6

1.1%

-0.8%

42.1

-1.2%

2.9%

42.4

0.3%

Percent Change

Percent Change

March Forecast

-34.6%

42.9

-39.3%

44.6%

42.7

-2.6%

-48.4%

42.4

-2.3%

U.S. Forecast Comparison					Fis	cal Years
	2018	2019	2020	2021	2022	2023
Real GDP						
Billions of 2012 dollars						
June Preliminary Forecast	18,295	18,834	19,226	19,560	19,909	20,302
Growth	2.6%	2.9%	2.1%	1.7%	1.8%	2.0%
March Forecast	18,295	18,818	19,209	19,531	19,879	20,275
Growth	2.6%	2.9%	2.1%	1.7%	1.8%	2.0%
Difference in level	0	15	17	29	29	27
Difference in growth forecast	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%
Real Consumption						
Billions of 2012 dollars						
June Preliminary Forecast	12,714	13,054	13,346	13,596	13,867	14,144
Growth	2.5%	2.7%	2.2%	1.9%	2.0%	2.0%
March Forecast	12,714	13,070	13,364	13,609	13,880	14,159
Growth	2.5%	2.8%	2.2%	1.8%	2.0%	2.0%
Difference in level	0	-16	-18	-13	-14	-14
Difference in growth forecast	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%
PCE Price Index						
2012 = 100						
June Preliminary Forecast	107.2	109.0	111.1	113.4	115.6	117.8
Growth	1.9%	1.8%	1.9%	2.0%	2.0%	1.9%
March Forecast	107.2	109.1	111.3	113.6	115.9	118.2
Growth	1.9%	1.8%	2.0%	2.1%	2.1%	2.0%
Difference in level	0.0	-0.1	-0.1	-0.2	-0.3	-0.4
Difference in growth forecast	0.0%	-0.1%	0.0%	0.0%	-0.1%	-0.1%
Unemployment Rate Percent of Labor Force						
June Preliminary Forecast	4.1%	3.8%	3.6%	3.7%	3.8%	4.1%
March Forecast	4.1%	3.7%	3.6%	3.8%	4.0%	4.0%
Difference in forecast	0.0%	0.1%	0.0%	-0.2%	-0.1%	0.0%
30 Year Fixed Mortgage Rate Annual Average						
June Preliminary Forecast	4.2%	4.5%	4.5%	4.7%	4.8%	4.8%
March Forecast	4.2%	4.6%	4.7%	4.9%	4.9%	4.9%
Difference in forecast	0.0%	-0.1%	-0.2%	-0.2%	-0.1%	-0.1%
3 Month T-Bill Rate Annual Average						
June Preliminary Forecast	1.4%	2.3%	2.4%	2.5%	2.4%	2.4%
March Forecast	1.4%	2.3%	2.6%	2.7%	2.7%	2.7%
Difference in forecast	0.0%	0.0%	-0.2%	-0.2%	-0.2%	-0.2%

Washington Forecast Comparison					Fis	cal Years
	2018	2019	2020	2021	2022	2023
Real Personal Income						
Billions of 2012 dollars						
June Preliminary Forecast	414.3	430.9	442.7	456.6	469.0	481.9
Growth	4.7%	4.0%	2.7%	3.1%	2.7%	2.7%
March Forecast	414.3	429.7	441.2	452.9	464.9	477.7
Growth	4.7%	3.7%	2.7%	2.7%	2.7%	2.8%
Difference in level	0.0	1.3	1.6	3.7	4.1	4.1
Difference in growth forecast	0.0%	0.3%	0.1%	0.5%	0.1%	0.0%
Nominal Personal Income						
Billions of dollars						
June Preliminary Forecast	444.0	469.9	492.1	517.7	542.4	567.7
Growth	6.7%	5.8%	4.7%	5.2%	4.8%	4.7%
March Forecast	444.0	468.8	490.9	514.4	538.9	564.5
Growth	6.7%	5.6%	4.7%	4.8%	4.8%	4.8%
Difference in level	0.0	1.0	1.2	3.4	3.6	3.2
Difference in growth forecast	0.0%	0.2%	0.0%	0.4%	0.0%	-0.1%
Nonfarm Payroll Employment						
Thousands						
June Preliminary Forecast Growth	3,363.9 2.4%	3,442.3 2.3%	3,509.0 1.9%	3,555.2 1.3%	3,594.5 1.1%	3,629.4 1.0%
March Forecast	3,363.9	3,441.5	3,508.4	3,547.9	3,583.5	3,621.9
Growth	2.4%	2.3%	1.9%	1.1%	1.0%	1.1%
Difference in level	0.0	0.8	0.6	7.3	10.9	7.5
Difference in growth forecast	0.0%	0.0%	0.0%	0.2%	0.1%	-0.1%
Housing Permits						
Units Authorized, Thousands						
June Preliminary Forecast	48.6	45.7	41.3	42.2	42.4	42.2
Growth	9.2%	-6.0%	-9.7%	2.1%	0.7%	-0.5%
March Forecast	48.6	44.2	42.4	41.9	42.6	42.4
Growth	9.2%	-9.1%	-4.1%	-1.1%	1.5%	-0.3%
Difference in level	0.0	1.5	-1.1	0.2	-0.1	-0.2
Difference in growth forecast	0.0%	3.2%	-5.6%	3.2%	-0.8%	-0.1%

Year-Over-Year Employment Growth by Industry (March 2018 to March 2019) Washington vs. U.S.

	Washir	ngton	<u>U.S.</u>
	(000)	% Chg.	% Chg.
	-4-	2.404	4 =0.
Total	71.5	2.1%	1.7%
Electronic Shopping and Mail-Order Houses	4.6	8.4%	2.3%
Software Publishers	4.0	6.2%	5.0%
Construction	12.1	5.7%	3.5%
Information Excluding Software	3.7	5.6%	-0.8%
Aerospace Product and Parts Manufacturing	4.6	5.6%	6.8%
Leisure and Hospitality	11.8	3.5%	2.7%
Education and Health Services	16.4	3.4%	2.3%
Professional and Business Services	9.7	2.3%	2.5%
Other Services	2.5	2.0%	1.7%
Wholesale Trade	2.5	1.9%	1.5%
Manufacturing Excluding Aerospace	1.8	0.9%	1.9%
Transportation, Warehousing and Utilities	5.5	0.9%	2.9%
Financial Activities	0.9	0.6%	1.2%
Mining and Logging	0.0	0.5%	5.9%
State and Local Gov Non-Education	-1.2	-0.5%	0.6%
State and Local Gov Education	-2.1	-0.8%	0.5%
Information	7.7	5.9%	-0.3%
Retail Trade	3.6	0.9%	-0.2%
Manufacturing	6.5	2.3%	1.8%

Source: WA State ERFC Kalman filtered data, U.S. Bureau of Labor Statistics