

Consensus Revenue Agreement

Executive Summary

January 10, 2020

Economic and Revenue Forecasts
Fiscal Years 2020, 2021 and 2022



Principals

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Table 1
Consensus Economic Forecast

January 2020

	Calendar 2018 Actual	Calendar 2019 Forecast	Percent Change from Prior Year	Calendar 2020 Forecast	Percent Change from Prior Year	Calendar 2021 Forecast	Percent Change from Prior Year	Calendar 2022 Forecast	Percent Change from Prior Year
United States									
Real Gross Domestic Product (Billions of Chained 2012 Dollars)	\$18,638	\$19,067	2.3%	\$19,410	1.8%	\$19,740	1.7%	\$20,036	1.5%
Implicit Price Deflator GDP (2012 = 100)	110.4	112.3	1.7%	114.2	1.7%	116.5	2.0%	118.9	2.1%
Consumer Price Index (1982-84 = 100)	251.107	255.488	1.7%	260.125	1.8%	264.972	1.9%	270.189	2.0%
Consumer Price Index - Fiscal Year (1982-84 = 100)	249.749	254.376	1.9%	258.966	1.8%	263.723	1.8%	268.864	1.9%
Personal Consumption Deflator (2012 = 100)	108.2	109.7	1.4%	111.6	1.7%	113.5	1.7%	115.5	1.8%
3-month Treasury Bills Interest Rate (percent)	1.9	2.1		1.5		1.6		1.7	
Unemployment Rate - Civilian (percent)	3.9	3.7		3.5		3.5		3.6	
Wage and Salary Employment (millions)	149.074	151.390	1.6%	153.360	1.3%	154.890	1.0%	156.130	0.8%
Housing Starts (millions of starts)	1.250	1.260	0.8%	1.266	0.5%	1.268	0.2%	1.261	-0.6%
Light Vehicle Sales (millions of units)	17.2	17.0	-1.4%	16.8	-1.0%	16.6	-1.2%	16.4	-1.2%
Passenger Car Sales (millions of units)	5.3	4.7	-10.8%	4.2	-11.2%	3.7	-11.9%	3.3	-10.8%
Light Truck Sales (millions of units)	11.9	12.2	2.8%	12.6	2.9%	12.9	2.4%	13.1	1.6%
Big 3 Share of Light Vehicles (percent)	41.7	41.0		41.6		40.4		40.3	
Michigan									
Wage and Salary Employment (thousands)	4,419	4,441	0.5%	4,467	0.6%	4,490	0.5%	4,503	0.3%
Unemployment Rate (percent)	4.1	4.1		3.8		3.7		3.8	
Personal Income (millions of dollars)	\$484,030	\$502,423	3.8%	\$521,013	3.7%	\$539,248	3.5%	\$557,583	3.4%
Real Personal Income (millions of 1982-84 dollars)	\$208,409	\$213,944	2.7%	\$217,855	1.8%	\$221,695	1.8%	\$225,086	1.5%
Wages and Salaries (millions of dollars)	\$239,478	\$246,423	2.9%	\$256,280	4.0%	\$266,275	3.9%	\$275,860	3.6%
Detroit Consumer Price Index (1982-84 = 100)	232.250	234.838	1.1%	239.156	1.8%	243.239	1.7%	247.720	1.8%
Detroit CPI - Fiscal Year (1982-84 = 100)	231.441	233.840	1.0%	238.194	1.9%	242.181	1.7%	246.583	1.8%

Table 2
January 2020 Consensus Forecast
(millions)

Net Revenue Estimates							
	FY 2019	FY 2020		Change From Consensus	FY 2021	Change From Consensus	FY 2022
	Preliminary	May 2019 Consensus	Jan 2020 Consensus		May 2019 Consensus		Jan 2020 Consensus
Net GF-GP Revenue	\$11,108.0	\$10,776.9	\$11,012.1	\$235.2	\$10,920.5	\$11,194.5	\$11,518.5
Percent Growth	0.8%	-0.7%	-0.9%		1.3%	1.7%	2.9%
Dollar Growth	\$90.9		(\$95.9)			\$182.4	\$324.0
Net SAF Revenue	\$13,560.0	\$13,839.8	\$13,925.5	\$85.7	\$14,179.5	\$14,317.5	\$14,640.1
Percent Growth	1.9%	2.7%	2.7%		2.5%	2.8%	2.3%
Dollar Growth	\$258.0		\$365.5			\$392.0	\$322.6
Combined GF-GP/SAF	\$24,668.0	\$24,616.7	\$24,937.6	\$320.9	\$25,100.0	\$25,512.0	\$26,158.6
Percent Growth	1.4%	1.2%	1.1%		2.0%	2.3%	2.5%
Dollar Growth	\$348.9		\$269.6			\$574.4	\$646.6

Revenue Limit Calculation					Long Term Revenue Trend		
	FY 2019	FY 2020	FY 2021	FY 2022		FY 2023	FY 2024
Personal Income	\$460,270	\$484,030	\$502,423	\$521,013	Net GF-GP Revenue	\$11,907.2	\$12,278.2
Ratio	9.49%	9.49%	9.49%	9.49%	Growth	3.4%	3.1%
Revenue Limit	\$43,679.6	\$45,934.4	\$47,679.9	\$49,444.1	Net SAF Revenue	\$15,038.7	\$15,445.0
Revenue Subject to Limit	\$33,733.3	\$34,387.2	\$35,211.5	\$36,003.6	Growth	2.7%	2.7%
Amount Under (Over) Limit	\$9,946.3	\$11,547.2	\$12,468.4	\$13,440.5	Combined GF-GP/SAF	\$26,945.9	\$27,723.2
					Growth	3.0%	2.9%

Note: CY 2017 Personal Income is used for the FY 2019 revenue limit calculation, CY 2018 for FY 2020, CY 2019 for FY 2021, and CY 2020 for FY 2022.

Budget Stabilization Fund Calculation			School Aid Index		
				FY 2021	FY 2022
FY 2020 Calculations		NO PAY-IN OR PAY-OUT	Revenue Adjustment Factor	1.0213	1.0232
FY 2021 Calculations		NO PAY-IN OR PAY-OUT	Pupil Membership Factor	1.0050	1.0046
FY 2022 Calculations		NO PAY-IN OR PAY-OUT	School Aid Index	1.0264	1.0279