

## OIL AND GAS TAX REVENUE COLLECTIONS AND ALLOCATIONS QUARTERLY UPDATE DETAIL

This memorandum provides information on oil production and prices, oil and gas tax revenue collections, and oil and gas tax revenue allocations for the biennium to date through July 2019. **The forecasted amounts reflect the 2017 legislative revenue forecast**, prepared at the close of the 2017 legislative session.

### OIL PRODUCTION AND PRICE - COMPARISON OF ACTUAL AND FORECAST

The schedules below provide information on oil production and prices for the biennium to date through May 2019. Monthly oil and gas tax revenue collections and allocations reflect oil production and prices from 2 months prior. The amounts shown for the actual oil prices reflect the average of Flint Hills Resources posted prices and West Texas Intermediate posted prices.

Average Daily Oil Production - Barrels Per Day														
	Fiscal Year 2018	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Biennium-to-Date Average
Actual	1,152,501	1,227,320	1,269,290	1,292,505	1,359,282	1,392,369	1,376,803	1,402,741	1,403,808	1,335,591	1,391,760	1,392,485	1,393,284	1,252,802
Forecast	925,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	937,500
Variance to forecast	227,501	277,320	319,290	342,505	409,282	442,369	426,803	452,741	453,808	385,591	441,760	442,485	443,284	315,302

Average Oil Price - Price Per Barrel														
	Fiscal Year 2018	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Biennium-to-Date Average
<b>Posted prices</b>														
Flint Hills Resources	\$46.73	\$55.23	\$63.13	\$57.80	\$59.05	\$58.43	\$39.02	\$22.53	\$37.69	\$46.30	\$47.54	\$52.74	\$49.61	\$47.91
West Texas Intermediate	\$56.73	\$67.32	\$70.74	\$67.85	\$70.07	\$70.76	\$56.60	\$46.68	\$51.38	\$55.01	\$58.17	\$63.88	\$60.77	\$59.17
<b>Price comparison</b>														
Actual	\$51.73	\$61.28	\$66.94	\$62.83	\$64.56	\$64.60	\$47.81	\$34.61	\$44.54	\$50.66	\$52.86	\$58.31	\$55.19	\$53.54
Forecast	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00
Variance to forecast	\$4.73	\$14.28	\$19.94	\$15.83	\$17.56	\$17.60	\$0.81	(\$12.39)	(\$2.46)	\$3.66	\$5.86	\$11.31	\$8.19	\$6.54

### OIL AND GAS TAX REVENUE COLLECTIONS - COMPARISON OF ACTUAL AND FORECAST

The schedule below provides a comparison of actual to forecasted oil and gas tax revenue collections for the biennium to date through July 2019.

	Fiscal Year 2018	August 2018	September 2018	October 2018	November 2018	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	June 2019	July 2019	Biennium-to-Date Total
<b>Actual</b>														
Gross production tax	\$1,072,785,515	\$111,945,237	\$128,071,671	\$121,426,440	\$131,615,472	\$137,336,129	\$96,912,386	\$74,032,238	\$93,190,144	\$94,037,914	\$109,219,374	\$124,619,505	\$119,837,992	\$2,415,030,017
Oil extraction tax	981,645,818	102,860,842	119,084,328	110,004,902	122,365,078	125,109,315	86,301,065	64,772,419	84,618,304	83,148,268	99,984,861	112,246,810	108,571,517	2,200,713,527
<b>Total actual</b>	<b>\$2,054,431,333</b>	<b>\$214,806,079</b>	<b>\$247,155,999</b>	<b>\$231,431,342</b>	<b>\$253,980,550</b>	<b>\$262,445,444</b>	<b>\$183,213,451</b>	<b>\$138,804,657</b>	<b>\$177,808,448</b>	<b>\$177,186,182</b>	<b>\$209,204,235</b>	<b>\$236,866,315</b>	<b>\$228,409,509</b>	<b>\$4,615,743,544</b>
<b>Forecasted</b>														
Gross production tax	\$777,550,375	\$65,635,500	\$67,823,350	\$67,823,350	\$65,635,500	\$67,823,350	\$65,635,500	\$67,823,350	\$67,823,350	\$61,259,800	\$67,823,350	\$65,635,500	\$67,823,350	\$1,576,115,625
Oil extraction tax	761,682,000	64,296,000	66,439,200	66,439,200	64,296,000	66,439,200	64,296,000	66,439,200	66,439,200	60,009,600	66,439,200	64,296,000	66,439,200	1,543,950,000
<b>Total forecasted</b>	<b>\$1,539,232,375</b>	<b>\$129,931,500</b>	<b>\$134,262,550</b>	<b>\$134,262,550</b>	<b>\$129,931,500</b>	<b>\$134,262,550</b>	<b>\$129,931,500</b>	<b>\$134,262,550</b>	<b>\$134,262,550</b>	<b>\$121,269,400</b>	<b>\$134,262,550</b>	<b>\$129,931,500</b>	<b>\$134,262,550</b>	<b>\$3,120,065,625</b>
<b>Variance to forecast</b>														
Gross production tax	\$295,235,140	\$46,309,737	\$60,248,321	\$53,603,090	\$65,979,972	\$69,512,779	\$31,276,886	\$6,208,888	\$25,366,794	\$32,778,114	\$41,396,024	\$58,984,005	\$52,014,642	\$838,914,392
Oil extraction tax	219,963,818	38,564,842	52,645,128	43,565,702	58,069,078	58,670,115	22,005,065	(1,666,781)	18,179,104	23,138,668	33,545,661	47,950,810	42,132,317	656,763,527
<b>Total variance</b>	<b>\$515,198,958</b>	<b>\$84,874,579</b>	<b>\$112,893,449</b>	<b>\$97,168,792</b>	<b>\$124,049,050</b>	<b>\$128,182,894</b>	<b>\$53,281,951</b>	<b>\$4,542,107</b>	<b>\$43,545,898</b>	<b>\$55,916,782</b>	<b>\$74,941,685</b>	<b>\$106,934,815</b>	<b>\$94,146,959</b>	<b>\$1,495,677,919</b>
Percentage variance	33.5%	65.3%	84.1%	72.4%	95.5%	95.5%	41.0%	3.4%	32.4%	46.1%	55.8%	82.3%	70.1%	47.9%

### OIL AND GAS TAX REVENUE COLLECTIONS BY TAX TYPE

The schedules below provide information on oil and gas gross production tax collections and oil extraction tax collections in each county and the Fort Berthold Reservation for the biennium to date through July 2019. The amounts shown for the Fort Berthold Reservation include a portion of the collections that are attributed to Dunn, McKenzie, McLean, and Mountrail Counties. Unallocated tax collections are primarily related to small miscellaneous corrections reported on tax returns. Unallocated tax collections remaining at the end of each fiscal year are allocated to the counties in the subsequent fiscal year.

Oil and Gas Gross Production Tax Collections														
	Fiscal Year 2018	August 2018	September 2018	October 2018	November 2018	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	June 2019	July 2019	Biennium-to- Date Total
Billings	\$8,829,547	\$850,932	\$939,500	\$698,836	\$882,182	\$975,187	\$800,186	\$664,979	\$910,554	\$963,069	\$1,094,097	\$1,170,851	\$1,099,913	\$19,879,833
Bottineau	3,882,833	372,386	309,641	457,399	366,551	376,099	228,316	163,838	262,094	261,370	317,326	345,007	379,117	7,721,977
Bowman	14,480,187	1,364,970	1,445,822	1,389,032	1,426,856	1,443,843	1,103,068	911,836	971,138	924,266	1,089,688	1,209,992	1,186,363	28,947,061
Burke	9,112,671	896,926	879,401	727,852	1,057,136	933,890	621,460	441,851	670,772	682,270	666,203	978,476	1,067,447	18,736,355
Divide	23,216,753	2,091,176	2,126,398	1,222,779	2,792,904	2,177,667	1,386,470	877,394	1,459,724	1,318,649	1,035,667	2,165,923	1,774,326	43,645,830
Dunn	117,887,063	14,736,001	16,261,994	14,715,969	15,791,566	16,754,833	10,776,166	8,507,038	10,469,969	10,779,594	12,539,287	16,196,826	15,841,773	281,258,079
Golden Valley	2,018,398	168,732	216,419	202,184	195,325	204,318	119,661	89,872	119,621	113,202	150,735	136,481	145,256	3,880,204
McHenry	241,847	17,003	20,370	19,094	16,084	15,092	10,732	6,973	9,029	11,204	13,299	15,116	13,982	409,825
McKenzie	370,032,599	35,458,488	42,906,801	40,929,061	44,876,091	46,662,412	32,536,235	26,688,046	32,797,160	32,261,921	36,559,614	44,771,002	40,858,974	827,338,404
McLean	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mercer	280	0	0	0	0	0	0	0	0	0	0	0	0	280
Mountrail	132,354,461	13,518,031	15,887,792	14,940,295	16,661,769	17,683,928	12,053,500	9,024,585	11,009,779	11,608,590	12,360,953	12,110,555	11,981,164	291,195,402
Renville	1,417,137	134,485	147,618	145,871	129,319	138,306	94,048	56,618	95,289	100,000	124,722	130,844	142,000	2,856,257
Slope	810,239	79,981	87,418	77,425	69,481	83,416	59,888	52,529	54,718	51,903	58,597	67,668	64,025	1,617,288
Stark	13,593,808	1,021,613	1,136,279	944,904	953,875	1,071,775	810,387	535,581	703,390	787,099	870,343	999,100	825,476	24,253,630
Ward	71,516	4,577	3,519	7,894	6,128	6,070	4,313	2,710	4,472	2,281	3,771	2,843	3,837	123,931
Williams	175,021,541	19,837,573	21,554,391	20,125,524	21,563,842	22,161,377	17,041,500	12,657,006	16,378,809	15,962,489	19,823,226	20,294,246	20,683,102	403,104,626
Unallocated	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Berthold Reservation	199,814,635	21,392,363	24,148,308	24,822,321	24,826,363	26,647,916	19,266,456	13,351,382	17,273,626	18,210,007	22,511,846	24,024,575	23,771,237	460,061,035
<b>Total</b>	<b>\$1,072,785,515</b>	<b>\$111,945,237</b>	<b>\$128,071,671</b>	<b>\$121,426,440</b>	<b>\$131,615,472</b>	<b>\$137,336,129</b>	<b>\$96,912,386</b>	<b>\$74,032,238</b>	<b>\$93,190,144</b>	<b>\$94,037,914</b>	<b>\$109,219,374</b>	<b>\$124,619,505</b>	<b>\$119,837,992</b>	<b>\$2,415,030,017</b>

Oil Extraction Tax Collections														
	Fiscal Year 2018	August 2018	September 2018	October 2018	November 2018	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	June 2019	July 2019	Biennium-to- Date Total
Billings	\$4,384,517	\$497,638	\$544,600	\$360,402	\$444,907	\$474,348	\$395,108	\$414,665	\$619,268	\$660,304	\$723,128	\$819,212	\$735,909	\$11,074,006
Bottineau	1,531,587	148,327	93,873	183,204	140,762	153,053	86,640	40,166	80,435	82,128	89,424	104,309	108,325	2,842,233
Bowman	5,857,550	549,064	576,804	552,808	530,730	549,392	431,311	354,908	380,647	363,871	421,843	463,731	454,371	11,487,030
Burke	6,319,001	570,531	565,500	407,665	746,476	649,367	425,110	256,608	438,301	286,492	389,890	110,423	535,383	11,700,747
Divide	16,475,500	1,391,591	1,451,954	640,607	2,027,577	1,497,141	899,962	581,746	925,477	855,084	538,402	1,588,713	1,104,670	29,978,424
Dunn	104,375,252	13,268,614	14,676,980	13,003,518	14,547,395	14,832,938	9,710,365	7,738,692	9,520,966	9,100,420	11,469,270	14,947,793	14,569,640	251,761,843
Golden Valley	1,477,107	121,039	160,914	145,022	151,625	146,018	93,254	65,764	80,236	87,652	98,205	89,075	94,019	2,809,930
McHenry	143,329	10,368	17,991	17,414	41,858	13,106	9,249	5,968	8,120	9,797	12,426	13,176	12,383	315,185
McKenzie	347,488,349	33,327,796	40,997,661	37,329,857	43,420,841	43,760,892	29,756,413	24,321,169	30,389,116	29,741,614	34,094,271	41,217,337	37,798,147	773,643,463
McLean	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mercer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mountrail	124,144,809	12,725,921	15,032,572	14,053,212	15,206,074	16,210,257	10,213,285	7,308,937	9,977,393	9,305,439	11,252,108	10,558,329	10,691,415	266,679,751
Renville	340,432	41,187	37,227	37,346	32,865	36,564	23,931	16,005	25,081	28,187	34,706	36,168	38,947	728,646
Slope	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stark	11,995,405	872,811	973,631	781,269	482,309	384,587	169,747	297,186	538,386	596,287	614,261	693,286	587,283	18,986,448
Ward	40,552	1,895	0	3,951	2,998	3,385	2,044	1,053	2,615	678	1,636	1,763	1,690	64,260
Williams	161,707,079	18,420,939	20,278,861	18,378,468	20,329,882	20,331,800	15,441,914	11,169,200	15,029,944	14,496,203	18,364,398	18,281,544	18,738,018	370,968,250
Unallocated	242,120	23,413	32,087	6,107	6,474	3,154	599	2,551	2,599	612	1,539	2,311	5,922	329,488

Oil Extraction Tax Collections														
	Fiscal Year 2018	August 2018	September 2018	October 2018	November 2018	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	June 2019	July 2019	Biennium-to-Date Total
Fort Berthold Reservation	195,123,229	20,889,708	23,643,673	24,104,052	24,252,305	26,063,313	18,642,133	12,197,801	16,599,720	17,533,500	21,879,354	23,319,640	23,095,395	447,343,823
<b>Total</b>	<b>\$981,645,818</b>	<b>\$102,860,842</b>	<b>\$119,084,328</b>	<b>\$110,004,902</b>	<b>\$122,365,078</b>	<b>\$125,109,315</b>	<b>\$86,301,065</b>	<b>\$64,772,419</b>	<b>\$84,618,304</b>	<b>\$83,148,268</b>	<b>\$99,984,861</b>	<b>\$112,246,810</b>	<b>\$108,571,517</b>	<b>\$2,200,713,527</b>

### OIL AND GAS TAX REVENUE ALLOCATIONS

The schedule below provides information on oil and gas tax revenue collections allocated to the Three Affiliated Tribes of the Fort Berthold Reservation, state funds, and political subdivisions for the biennium to date through July 2019.

	Fiscal Year 2018	August 2018	September 2018	October 2018	November 2018	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	June 2019	July 2019	Biennium-to-Date Total
Three Affiliated Tribes	\$197,466,055	\$21,141,034	\$23,895,990	\$24,463,187	\$24,539,334	\$26,355,614	\$18,954,295	\$12,774,590	\$16,936,673	\$17,871,755	\$22,195,600	\$23,672,107	\$23,433,316	\$453,699,550
Legacy fund	557,089,584	58,099,513	66,978,003	62,090,447	68,832,365	70,826,949	49,277,748	37,809,020	48,261,533	47,794,328	56,102,591	63,958,262	61,492,858	1,248,613,201
North Dakota outdoor heritage fund	10,799,177	0	0	0	0	0	0	0	0	0	0	0	0	10,799,177
Abandoned well reclamation fund	4,399,588	0	831,387	772,833	854,313	885,506	621,167	34,794	0	0	0	0	0	8,399,588
Oil and gas impact grant fund	28,353,446	0	0	0	0	0	0	0	0	0	0	0	0	28,353,446
Political subdivisions	312,091,616	28,373,433	47,491,637	33,028,017	36,593,491	36,383,695	26,165,461	20,472,022	25,183,004	24,666,586	27,497,290	30,943,322	29,842,167	678,731,741
Energy impact fund	2,000,000	0	2,000,000	0	0	0	0	0	0	0	0	0	0	4,000,000
Common schools trust fund	78,652,853	8,197,114	9,544,065	8,590,085	9,811,277	9,904,600	6,765,893	5,257,462	6,801,858	6,561,477	8,904,518	10,058,699	9,702,382	178,752,283
Foundation aid stabilization fund	78,652,853	8,197,114	9,544,065	8,590,085	9,811,277	9,904,600	6,765,893	5,257,462	6,801,858	6,561,477	8,904,518	10,058,699	9,702,382	178,752,283
Resources trust fund <sup>1</sup>	157,305,705	16,394,227	19,088,131	17,180,170	19,622,556	19,809,200	13,531,786	10,514,924	13,603,717	13,122,953	17,809,037	20,117,398	19,404,764	357,504,568
Oil and gas research fund	10,000,000	0	0	0	0	0	0	0	0	0	0	0	0	10,000,000
General fund	342,620,456	57,379,544	0	0	0	0	0	0	0	0	0	0	0	400,000,000
Tax relief fund	200,000,000	0	0	0	0	0	0	0	0	0	0	0	0	200,000,000
Budget stabilization fund	75,000,000	0	0	0	0	0	0	0	0	0	0	0	0	75,000,000
Lignite research fund	0	3,000,000	0	0	0	0	0	0	0	0	0	0	0	3,000,000
Strategic investment and improvements fund	0	14,024,100	67,782,721	76,716,518	83,915,937	88,375,280	61,131,208	46,684,383	60,219,805	60,607,606	67,790,681	78,057,828	74,831,640	780,137,707
State disaster relief fund	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total oil tax allocations</b>	<b>\$2,054,431,333</b>	<b>\$214,806,079</b>	<b>\$247,155,999</b>	<b>\$231,431,342</b>	<b>\$253,980,550</b>	<b>\$262,445,444</b>	<b>\$183,213,451</b>	<b>\$138,804,657</b>	<b>\$177,808,448</b>	<b>\$177,186,182</b>	<b>\$209,204,235</b>	<b>\$236,866,315</b>	<b>\$228,409,509</b>	<b>\$4,615,743,544</b>

<sup>1</sup>The amounts shown for the resources trust fund include transfers to the following:

	Fiscal Year 2018	August 2018	September 2018	October 2018	November 2018	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	June 2019	July 2019	Biennium-to-Date Total
Energy conservation grant fund	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$89,045	\$100,587	\$97,024	\$486,656
Renewable energy development fund	3,000,000	0	0	0	0	0	0	0	0	0	0	0	0	3,000,000
<b>Total transfers</b>	<b>\$3,200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$89,045</b>	<b>\$100,587</b>	<b>\$97,024</b>	<b>\$3,486,656</b>