

**Director's Cut
 August 2021 Production**

Oil Production

July 33,374,420 barrels = 1,076,594 barrels/day (final)
August 34,323,696 barrels = 1,107,216 barrels/day +2.8% RF+1% NM 1.220.000
 1,066,115 barrels/day or 96% from Bakken and Three Forks
 41,101 barrels/day or 4% from legacy pools
 (all-time high 1,519,037 BOPD Nov 2019)

**Revised
 Revenue
 Forecast** = 1,200,000 → 1,100,000 → 1,000,000 barrels/day

Crude Price¹ (\$/barrel)

	North Dakota Light Sweet	WTI	ND Market estimate
July	64.80	72.43	66.93
August	60.94	67.71	62.50
Today	73.75	80.52	77.14 RF+54%
All-time high (6/2008)	\$125.62	\$134.02	\$126.75

**Revised
 Revenue
 Forecast** = **\$50.00**

Gas Production & Capture

July Production 89,261,659 MCF = 2,879,408 MCF/day
 Gas Captured: 90% 79,965,641 MCF = 2,579,537 MCF/day

August Production 91,774,175 MCF = 2,960,457 MCF/day (all-time high 3,145,172 MCFD Nov 2019) +2.8%
 Gas Captured: 92% 84,173,466 MCF = 2,715,273 MCF/day (all-time high 2,899,998 MCFD Mar 2020)

Rig Count

July	23
August	28
September	27
Today	30 NM86
Federal Surface	0
All-time high	218 (5/29/2012)

¹ Pricing References: WTI: [EIA](#) and [CME Group](#); ND Light Sweet: [Flint Hills Resources](#)

Wells

	July	August	September	Revised Revenue Forecast
Permitted	40 drilling 0 seismic	79 drilling 0 seismic	69 drilling 2 seismic <small>(All-time high was 370 – Oct. 2012)</small>	-
Completed	53 (Final)	47 (Revised)	34 (Preliminary)	30→40→50→60
Inactive²	2,082	1,672	-	-
Waiting on Completion³	521	521	-	-
Producing	16,890	16,953 (Preliminary) (All-time high 16,844 in June 2021) <i>14,713 (87%) from unconventional Bakken – Three Forks 2,240 (13%) from legacy conventional pools</i>	-	-

Fort Berthold Reservation Activity

	Total	Fee Land	Trust Land
Oil Production (barrels/day)	253,291	99,695	153,596
Drilling Rigs	3	1	2
Active Wells	2,598	646	1,952
Waiting on completion	TBD		
Approved Drilling Permits	TBD	TBD	TBD
Potential Future Wells	3,954	1,118	2,836

Drilling and Completions Activity & Crude Oil Markets

The drilling rig count was stable in the mid 50's second half of 2019 through May 2020. Drilling rig count fell 51% from January 2020 to August 2021 and is slowly increasing.

The number of well completions has been low and volatile since April 2020 as the number of active completion crews dropped from 25 to 1 then increased to 6 in July 2021 and to 10 this week.

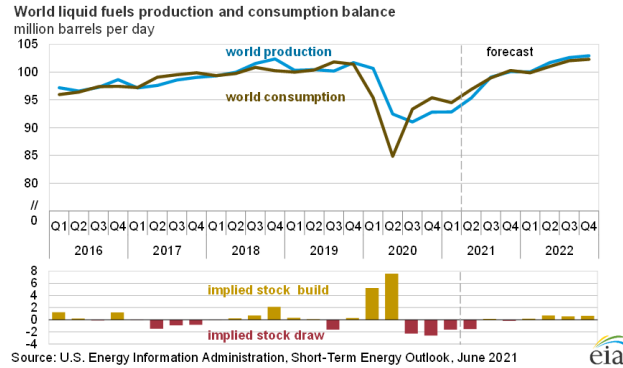
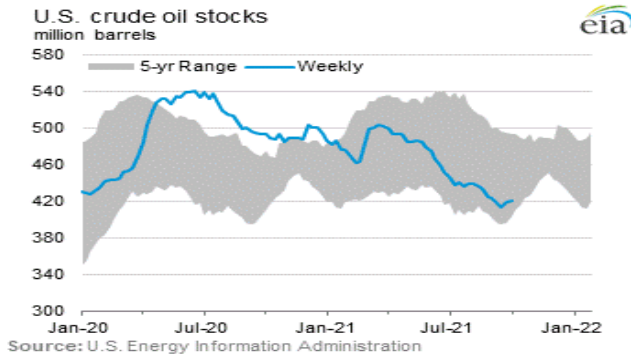
OPEC+ reached a deal Sunday to phase out 5.8 million barrels per day of oil production cuts by September 2022 as prices of the commodity hit their highest levels in more than two years. Coordinated increases in oil supply from the group known as OPEC+ began in August. At their October 4, 2021 meeting OPEC+ decided to stick with their plan to increase production 400,000 barrels per day on a monthly basis going forward.

The International Energy Agency estimates a 1.5 million barrel per day shortfall for the second half of this year, indicating a tight market despite the gradual OPEC supply boost. EIA now estimates that supply and demand are balanced with demand returning to 2019 levels in the second quarter 2022.

² Includes all well types on IA and AB statuses: **IA** = Inactive shut in >3 months and <12 months;

AB = Abandoned (Shut in >12 months)

³ The number of wells waiting on completions is an estimate on the part of the director based on idle well count and a typical five-year average. Neither the State of North Dakota, nor any agency officer, or employee of the State of North Dakota warrants the accuracy or reliability of this product and shall not be held responsible for any losses caused by this product. Portions of the information may be incorrect or out of date. Any person or entity that relies on any information obtained from this product does so at his or her own risk.



Crude oil transportation capacity including rail deliveries to coastal refineries is adequate, but could be disrupted due to:

US Appeals Court for the ninth circuit upholding of a lower court ruling protecting the Swinomish Indian Tribal Community's right to sue to enforce an agreement that restricts the number of trains that can cross its reservation in northwest Washington state.

DAPL Civil Action No. 16-1534 continues, but the courts have now ruled that DAPL can continue normal operations through March 2022.

Drilling activity is slowly increasing and operators continue to maintain a permit inventory of approximately 12 months.

Gas Capture

US natural gas storage is now 5% below the five-year average. Crude oil inventories are below normal in the US, but world storage is above the five-year average.

The price of natural gas delivered to Northern Border at Watford City increased to \$23.42/MCF February 17, 2021 but has returned to a significantly higher than normal level of \$5.36/MCF today. This results in a current oil to gas price ratio of 14 to 1. The state wide gas flared volume from July to August decreased 54,686 MCFD to 245,185 MCF per day, and the percent flared decreased to 8.3% while Bakken capture percentage increased to 92%.

The historical high flared percent was 36% in 09/2011.

Gas capture details are as follows:

Statewide	92%
Statewide Bakken	92%
Non-FBIR Bakken	92%
FBIR Bakken	92%
Trust FBIR Bakken	93%
Fee FBIR	79%

The Commission established the following gas capture goals:

74%	October 1, 2014 - December 31, 2014
77%	January 1, 2015 - March 31, 2016
80%	April 1, 2016 - October 31, 2016
85%	November 1, 2016 - October 31, 2018
88%	November 1, 2018 - October 31, 2020
91%	November 1, 2020

Seismic

Seismic activity for oil and gas has stopped.

Active Surveys	Recording	NDIC Reclamation Projects	Remediating	Suspended	Permitted (Oil and Gas)	Permitted (CCS)
0	0	0	0	4	0	2

Agency Updates

BIA has published a new final rule to update the process for obtaining rights of way on Indian land. The rule was published 11/19/15 and became effective 12/21/15. The final rule can be found at <https://www.federalregister.gov/articles/2015/11/19/2015-28548/rights-of-way-on-indian-land>. On 3/11/16, the Western Energy Alliance filed a complaint and motion for a temporary restraining order and/or a preliminary injunction. On 04/19/16, the US District court for the District of North Dakota issued an order denying the motion for a preliminary injunction. The new valuation requirements were resulting in increased delays so BIA provided a waiver that expires 04/05/2020. On 03/09/2020 the NDIC submitted comments supporting an extension of that waiver through 04/05/2021 to allow infrastructure development to continue while BIA develops and implements the new process. NDIC comments can be found at <http://www.nd.gov/ndic/ic-press/Sweeney%20letter%20200309.pdf>

BLM on 1/20/21 DOI issued order 3395 implementing a 60 day suspension of Federal Register publications; issuing, revising, or amending Resource Management Plans; granting rights of way and easements; approving or amending plans of operation; appointing, hiring or promoting personnel; leasing; and permits to drill. On 1/27/21 President Biden issued an executive order that mandates a “pause” on new oil and gas leasing on federal lands, onshore and offshore, “to the extent consistent with applicable law,” while a comprehensive review of oil and gas permitting and leasing is conducted by the Interior Department. There is no time limit on the review, which means the president’s moratorium on new leasing is indefinite. The order does not restrict energy activities on lands the government holds in trust for Native American tribes.

What is the percentage of federal lands in ND?

Mineral ownership in ND is 85% private, 9% federal (4% Indian lands and 5% federal public lands), and 6% state. 66% of ND spacing units contain no federal public or Indian minerals, 24% contain federal public minerals, 9% contain Indian minerals, 1% contain both.

How many potential wells could be delayed or not drilled by a Biden administration ban on drilling permits and hydraulic fracturing on federal lands?

A spatial query found 3,443 undrilled wells in spacing units that would penetrate federal minerals, 2,902 undrilled wells in spacing units would penetrate BIA Trust minerals (700 tribal minerals and 2,202 allotted minerals), and the total number of wells potentially impacted is 6,345. The minimum number of future Bakken wells is 24,000 so the 3,443 wells on federal public lands = 14%, and the 2,902 wells on trust lands = 12%.

What is the potential federal royalty loss from a Biden administration ban on drilling permits and hydraulic fracturing on federal lands?

A recent study from University of Wyoming estimated the ND loss as follows: 2021-2025 \$76 million, 2026-2030 \$113 million, 2031-2035 \$160 million, and 2036-2040 \$221 million for a total of \$570 million over 15 years. Please note that 50% of the royalties on federal public lands go to the state and 50% of the state share goes to the county where the oil was produced.

The U.S. Interior Department launched its review of the federal oil and gas leasing program on 3/25/21, a key step that will determine whether the Biden administration will permanently halt new leases on federal land and water. The review kicked off with a public forum on oil and gas leasing on federal land and water, with participants representing industry, environmental conservation and justice groups, labor and others, and commence an online comment period. This input will inform an interim report to be released in early summer outlining next steps and recommendations on the future of the program and what can be done to reform how leases are managed and how much revenue should go to taxpayers and other issues.

On 7/7/21 North Dakota sued the Department of Interior (DOI), Secretary of Interior Debra Haaland, Bureau of Land Management (BLM), Director of the BLM Nada Culver, and Director of the Montana-Dakotas BLM John Mehlhoff in US District Court for the District of North Dakota. The lawsuit requests the court:
Compel the Federal Defendants to hold quarterly lease sales.

Prohibit the Federal Defendants from cancelling quarterly lease sales.
Enjoin the Secretary implementing a moratorium on federal lease sales.
Declare that Federal Defendants are in violation of MLA, FLPMA, NEPA, and APA.
Grant other relief sought and as the court deems proper to remedy the violations.

There are 811 tracts nominated for pending lease sales in ND:

566 are pending NEPA or surface manager concurrence

236 are fully evaluated, and waiting for scheduled auction – value to ND 1,011 wells and \$4.8 billion (GPT, OET, NDTL royalties, federal royalties, sales tax and income tax)

9 are planned for auction Q1 and Q2 2021 6 for March and 3 for June – value to ND 20 wells and \$82.3 million (GPT, OET, NDTL royalties, federal royalties, sales tax and income tax)

It is too late to notice and hold Q3 sale – 2 more tracts impacted - value to ND 23 wells and \$157.6 million (GPT, OET, NDTL royalties, federal royalties, sales tax and income tax)

BLM published a new final rule 43 CFR Parts 3100, 3160 and 3170 to update and replace its regulations on venting and flaring of natural gas effective 1/17/16. The final rule can be viewed online at

<https://www.blm.gov/programs/energy-and-minerals/oil-and-gas/operations-and-production/methane-and-waste-prevention-rule>. North Dakota, Wyoming, Montana, Western Energy Alliance, and IPAA filed for a preliminary injunction

to prevent the rule going into effect until the case is settled. A hearing in Casper, Wyoming was held 1/6/17. On 1/16/17 the court denied all of the petitioners' motions for preliminary injunctions. **On 2/3/17 the US House of Representatives voted 221-191 to approve a Congressional Review Act resolution against the rule.**

On 3/28/17 President Trump issued an executive order which in part directs "The Secretary of the Interior shall review the following final rules, and any rules and guidance issued pursuant to them, for consistency with the policy set forth in section 1 of this order and, if appropriate, shall, as soon as practicable, suspend, revise, or rescind the guidance, or publish for notice and comment proposed rules suspending, revising, or rescinding those rules". This rule is included in the list as item (iv). North Dakota plans to continue active participation in the litigation of this rule until the BLM takes final action eliminating the rule. **On 5/10/17 the Senate voted 51 to 49 against the CRA, allowing the rule to remain in effect.** On 6/27/17 U.S. D. Ct. Judge Skavdahl granted BLM's motion to extend the merits briefing schedule by 90 days, based on BLM's APA 705 stay and BLM's representations regarding its plans to reconsider the VF Rule. Opening briefs were filed 7/3/17. On 7/5/17 California and New Mexico sued BLM in the U.S. District Court for the Northern District of California, seeking a declaratory judgement that BLM's APA 705 stay was illegal and vacating the stay. The relief they request would vacate the stay of the January 2018 compliance et al deadlines, bringing them all back into force. BLM officials encouraged North Dakota to intervene. On 7/12/17 a group of NGOs including the Fort Berthold Protectors of Water and Earth Rights filed a separate suit against the BLM in federal court in the U.S. District Court for the Northern District of California, seeking a declaratory judgement that BLM's APA 705 stay was illegal and vacating the stay. California and New Mexico, along with various environmental groups, have challenged BLM's stay in the Northern District of California, and filed a motion for summary judgment on 7/26/17. On 8/24/17 North Dakota filed a response supporting BLM's motion, a motion to intervene, and a motion to change venue to Wyoming in an attempt to prevent all of the litigation regarding the timing of the Flaring Rule, including the future rulemakings further extending compliance deadlines that BLM has stated that it intends to publish, could end up in front of the magistrate judge in the Northern District of California instead of Judge Skavdahl in Wyoming. On 10/04/17 the federal magistrate judge in the Northern District of California granted the summary judgement motion by California, New Mexico, and several NGOs throwing out BLM's administrative and temporary postponement of several of the future rules compliance dates/obligations. On 10/05/17 the BLM issued a Federal Register Notice for a proposed rule that if finalized will delay certain requirements of the BLM Rule until 1/17/2019. North Dakota submitted comments to (1) support BLM's decision to delay certain compliance requirements and (2) continue to make the record that BLM exceeded its authority to promulgate the rule in the first place with particular emphasis on the specific/unique North Dakota considerations at issue. NDIC comments are available at <http://www.nd.gov/ndic/ic-press/dmr-blm-comments17-11.pdf>. BLM, the states of CA & NM, and the NGOs supporting the current final rule were granted an extension to file response briefs to December 11th in the WY court. On 11/29/17 North Dakota filed a response to industry petitioner's motion for a preliminary injunction supporting a preliminary or permanent injunction. On 12/4/17 USDOJ petitioned the 9th US Judicial Circuit Court in San Francisco to review and overturn the Northern District of California court's November decision ordering the US Bureau of Land Management to make oil and gas producers comply with the methane emissions requirements while the rules are being reviewed. On 12/7/17 BLM published a rule in the Federal Register delaying the methane regulation until January 2019, saying the previous rule is overly burdensome to industry. Officials said the delay will allow the federal Bureau of Land Management time to review the earlier rule while avoiding tens of millions of dollars in compliance costs to industry that may turn out to be unnecessary. On 12/19/17 BLM was sued by California, New Mexico, and a large group of NGOs in the Northern District of California federal court over the

12/7/17 rule extending certain compliance dates in BLM's 2016 Rule. The complaint requests that BLM's extension rule be set aside and the provisions it relates to reinstated. On 12/26/17 BLM filed a motion seeking to stay the litigation in the U.S. District Court case in WY and to vacate the 1/5/2018 briefing deadline, a motion in which the industry trade associations and Montana and Wyoming joined. North Dakota and Texas filed a short response on 12/27/17 asking the Court to deny the motion or allow until 1/12/18 to fully respond to BLM's holiday week motion. On 12/29/17 the Wyoming district court granted BLM's motion to stay the 2016 Rule challenge litigation. On 2/22/18 BLM published a new rule proposal to revise the 2016 final Waste Prevention Rule (also known as the venting and flaring rule). The proposed rule would eliminate duplicative regulatory requirements and re-establish long-standing requirements that the 2016 final rule sought to replace. The Federal Register notice specifically requested comment on ways that the BLM can reduce the waste of gas by incentivizing the capture, reinjection, or beneficial use of the gas. NDIC comments can be viewed at <http://www.nd.gov/ndic/ic-press/blm%20comments%20180417.pdf>. On 2/22/18 Judge Orrick in the Northern District of California entered a preliminary injunction against the BLM's "Suspension Rule" which suspended for one year certain compliance deadlines in BLM's Venting and Flaring Rule. Judge Orrick also denied North Dakota's motion to transfer the case to the District of Wyoming where Judge Skavdahl had stayed the original rule on the grounds that parties were protected by the Suspension Rule. The immediate effect of this decision was to reinstate the BLM Venting and Flaring Rule in full, along with compliance deadlines that became effective 1/17/2018, and remove the protections relied upon by Judge Skavdahl the District of Wyoming case. On 3/7/18 U.S. District Court Judge Skavdahl granted the North Dakota/Texas Motion to lift the stay in the challenge to the BLM's Venting & Flaring Rule. The California Court explicitly adopted North Dakota's central position in intervention - stating that "I express no judgment whatsoever in this opinion on the merits of the [V&F] Rule," showing great deference to Judge Skavdahl and the existing case in his Court and rejecting the California, NM, and NGOs request to uphold the V&F Rule. On 4/4/18 U.S. District Judge Skavdahl issued an order granting Wyoming's request for a partial stay of the Rule under Section 705 of the APA. The Court's limited Stay Order provides immediate relief to industry, but the balance of the Rule, including BLM's unlawful exercise of authority over State and private mineral interests through an over-inclusive application of communitization remains. The Court denied the North Dakota/Texas motion to move forward to complete briefing on the merits, and also denied industry's motion for a preliminary injunction. The Court expressed frustration with "the administrative dysfunction" reflected by this case as it ping-pongs between the District Courts of Wyoming and California and BLM's various attempts to delay, rescind or replace the Rule, concluding that "going forward on the merits at this point remains a waste of judicial resources and disregards prudential ripeness concerns." On 4/5/18 15 NGOs filed a Notice of Appeal with the 10th Circuit. California & New Mexico followed suit on 4/5/18 and have now also filed an appeal with the 10th Circuit. On 9/12/18 North Dakota filed a brief in the 10th Circuit Court of Appeals urging the Court, if it chooses to reverse the Wyoming district court's Stay Order, to remand the case back to the Wyoming district court with direction to finish this protracted legal process by promptly proceeding to a ruling on the merits. On 9/18/18 BLM issued their final rule revising the Obama-era Waste Prevention Rule, also referred to as the venting and flaring rule. The new rule will better align venting and flaring regulations with President Trump's priorities on energy development, job creation, and reduced compliance costs. These changes will also allow BLM to recognize existing state regulatory efforts and avoid duplicative requirements. In response to comments and after further consideration, the BLM made the following modifications to the proposed rule in this final rule: (1) Clarification that the 24-hour limit on royalty-free flaring during downhole well maintenance and liquids unloading in § 3179.104 applies "per event"; (2) Addition of a standard for "applicable rules, regulations, or orders" of a State regulatory agency or tribe in § 3179.201(a); and (3) Addition of a provision allowing for tribes to seek BLM approval to have tribal rules apply in place of any or all of the provisions of subpart 3179. The revised rule goes into effect on 11/27/18. On 9/28/18 a coalition of 17 conservation and tribal citizen groups filed a lawsuit challenging the decision to revise the Bureau of Land Management's Waste Prevention Rule, stating that the rule violates a number of existing federal policies. The states of New Mexico and California also filed a lawsuit challenging BLM's action. The BLM and NDIC have reached an impasse on negotiations for an agreement to implement section 3179.201, but continue to communicate regarding possible ways to resolve the disagreement. On 08/15/20 the U.S. District Court for the Northern District of California invalidated the 2018 revisions to the 2016 Waste Prevention Rule. This ruling means that the Waste Prevention Rule goes back in effect in 90 days, and the oil and gas industry will have to comply with the Rule's requirements. U.S. District Judge Yvonne Gonzalez Rogers found that the 2018 rescission violated federal law because it ignored the federal government's statutory duty to prevent waste, instead relying almost entirely on "inadequate or nonexistent state regulations". On 08/25/20 the citizen groups and state respondents filed a supplemental response brief in the US District Court District of Wyoming. On 09/04/20 North Dakota and Texas filed a reply brief of petitioner-intervenors in the US District Court District of Wyoming. On 10/8/20 US District Judge Skavdahl issued an opinion agreeing with North Dakota's split estate argument concluding that BLM's right to regulate "waste" from federal interests does not give it the right to impose federal requirements on communitized State and private interests, that the BLM unlawfully stepped over the line into EPA and state Clean Air Act jurisdiction, and rejecting several elements of BLM's

cost-benefit analysis, including that BLM cannot justify the rule based primarily on alleged environmental “co-benefits” and that BLM should not have used the so-called “global cost of carbon” in its calculations. He also wrote with some humor, reflecting on the tortured process of setting policy through litigation “So, three and a half years later, after several turns and loopy-loops, it seems the roller coaster has returned to the station, though the Court doubts any of the parties will be exiting the ride just yet, as it is likely this Court's decision will not end this ride but simply serve as a lift hill transporting it to another level.” As expected, on 12/21/20, CA and NM appealed Judge Skavdahl's decision to the US Court of Appeals for the 10th Circuit.

BLM revised final regulations for hydraulic fracturing on federal and Indian lands were published in the CFR on 3/26/15 and they were scheduled to go into effect 6/24/15. North Dakota, Colorado, Utah, Wyoming, Western Energy Alliance, and IPAA filed for a preliminary injunction to prevent the rules going into effect until the case is settled. Following a lengthy hearing in Casper, Wyoming on 6/23/15, the court issued a stay on the rules. On 9/30/15 the court granted a preliminary injunction, preventing the rules from being enforced until litigation on the rule is final. The 10th Circuit Court of Appeals issued an order 3/10/16 denying the industry alternative motion for a stay. On 6/21/16 the court found the rule to be unlawful and ordered it set aside. The plaintiffs filed a motion with the US Court of Appeals for the Tenth Circuit to dismiss the appeal of the preliminary injunction. The Department of Justice on behalf of the BLM and the intervening environmental groups filed an appeal of the decision on the rule and oppose the motion to dismiss the appeal of the preliminary injunction. The North Dakota Response Brief to the US Court of Appeals for the Tenth Circuit was filed 9/15/16. NDIC comments on the rule can be found at <http://www.nd.gov/ndic/ic-press/BLM-comments-120625.pdf>. On 3/28/17 President Trump issued an executive order which in part directs “The Secretary of the Interior shall review the following final rules, and any rules and guidance issued pursuant to them, for consistency with the policy set forth in section 1 of this order and, if appropriate, shall, as soon as practicable, suspend, revise, or rescind the guidance, or publish for notice and comment proposed rules suspending, revising, or rescinding those rules”. This rule is included in the list as item (i). On 5/4/2017 BLM filed a request asking the court to hold the appeal in abeyance as it will “soon” initiate a rulemaking process to revise or rescind the 2015 Rule, that it had the authority to issue the Rule, but conceding that the Rule does not reflect BLM's current priorities or policies, as reflected in certain recent Presidential Executive Orders. After the BLM submitted its filings the 10th Circuit Court Appeals immediately directed the petitioners (including North Dakota) and the intervenors to file briefs by 6/5/17 to respond to BLM's position. Two amicus groups that submitted merits briefs (the law school professors and former DOI officials) filed supplemental amicus briefs on the questions posed by the Court following the change of Administrations. The Court's Supplemental Order authorized the filing of these additional amicus briefs. Both briefs seek to capitalize on the BLM's continued insistence that it had the authority to issue the Rule (but concede that the 2015 HF Rule does not reflect BLM's current priorities or policies as reflected in certain recent Presidential Executive Orders). The two amicus groups solicit the Court to rule on the merits of the BLM and NGO appeals and to overturn the District Court decision, actually asking the Court to issue an advisory opinion on the BLM's authority. In addition to addressing the NGO arguments, North Dakota will respond to these two briefs in the context that all three parties are asking the Court to do what it is prohibited from doing by Article III of the U.S. Constitution. North Dakota filed a response brief 6/20/17 in support of the BLM action to put the rule in abeyance and take final action vacating the rule. Oral arguments before the 10th Circuit took place 7/27/17. A recording of the oral arguments is now available on the home page of the court's website <http://www.ca10.uscourts.gov>. NDIC filed comments supporting BLM's rescission of the rule that can be found at <http://www.nd.gov/ndic/ic-press/dmr-blm-comment17-9.pdf>. On 09/21/17 the 10th Circuit issued a split (2-1) decision to dismiss the appeals as prudentially unripe, vacate the district court's judgment invalidating the rule, and remand with instructions to dismiss the underlying action without prejudice. Appellees State of North Dakota, State of Colorado, State of Utah, and State of Wyoming's filed a Petition for Panel Rehearing And/Or Request for En Banc Determination on 11/03/17. On 11/06/17 the court ordered the appellants to file a response to the Petition on or before 11/20/2017. The En Banc rehearing request was denied. The 10th circuit court has not yet issued its mandate ending the current round of litigation in the Wyoming District court. The Ute tribe filed a motion on 1/12/18 asking the court to dismiss the appeals as moot based on the publication of the rescission rule and leave the WY court decision to vacate the rule in place. The court ordered the DOJ and BLM to file a response by 1/22/18. On 12/29/17 BLM published a final rule rescinding the 2015 Hydraulic Fracturing rules with 2 exceptions 1) the rule does not restore language requiring pre-approval of non-routine hydraulic fracturing operations and 2) the rule does not rescind changes to 43 CFR 3160 due to other rules published between 3/26/15 and 12/29/17 (electronic filing and venting & flaring rules). On 2/7/18 North Dakota filed a reply in support of its motion to dismiss the original rule appeal as moot pursuant to Federal Rule of Appellate Procedure 27(a)(4), and request that the Court should not issue the mandate, nor vacate the District Court's judgment based on two new and important developments: (1) on December 29, 2017, the Bureau of Land Management (BLM) promulgated a final rule rescinding the Hydraulic Fracturing Rule (“HF Rule”), and (2) on 1/24/2018, the Citizen Group Intervenors challenged the repeal of the HF Rule (“HF Repeal Rule”) in the U.S. District Court for the

Northern District of California.

CEC On 02/25/2020 the Council on Environmental Quality published a proposal to modernize its National Environmental Policy Act (NEPA) regulations. On 03/09/2020 the NDIC submitted comments in support of the CEQ proposal. NDIC comments can be found at <http://www.nd.gov/ndic/ic-press/Council%20of%20Environmental%20Quality%20200309.pdf>. On July 15, 2020 the Trump administration issued an executive order to reduce the types and number of projects that will be subject to review under the NEPA, shorten the timeline for reviews, and drop a requirement that agencies consider the cumulative environmental effects of projects, such as their contribution to climate change. On 7/29/20 a coalition of 20 environmental justice, outdoor recreation and conservation groups — led by the Western Environmental Law Center (WELC) and Earthjustice — filed a lawsuit over CEQ's regulations in the U.S. District Court for the District of Northern California.

CONGRESS on 3/1/21 Democratic members of the United States House of Representatives Committee on Energy and Commerce filed the "Climate Leadership and Environmental Action for our Nation's Future Act" also known as the "CLEAN Future" Act to "address the climate crisis". The CLEAN Future Act would amend and require the new regulations under Clean Air Act (CAA), Safe Drinking Water Act (SDWA), Solid Waste Disposal Act (SWDA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, National Environmental Policies Act (NEPA) of 1969, Emergency Planning and Community Right-to-Know (EPCRA) Act of 1986, Energy Policy Act of 2005 (EPAct), Natural Gas Act, Federal Power Act, Public Utility Regulatory Policies Act of 1978, National Security Act of 1947, and the Securities Exchange Act of 1933. The CLEAN Future Act would impose redundant regulations and net sequestration requirements on Enhanced Oil Recovery injection wells, reduce hydraulic fracturing by requiring expensive and redundant monitoring and testing as well as a new Environmental protection Agency database, repeal the exemption for aggregation of emissions for oil and gas sources under the Clean Air Act, which would force states to limit production to ensure attainment, label methane a "super pollutant" and require the Environmental Protection Agency to adopt regulations to reduce methane emissions and impose federal flaring controls to reduce routine flaring to 100% below 2017 levels by 2028, repeal the Oil and Gas E&P exemption under federal hazardous waste regulations and require EPA to promulgate regulations for hazardous oil and gas waste, including requirements for groundwater monitoring, siting, corrective action, and financial assurance, implement carbon fees, implement new Securities and Exchange Commission requirements for climate disclosures and for oil and gas reserves reporting.

CONGRESS on 4/13/21 Senators Cramer and Lujan filed the Revive Economic Growth and Reclaim Orphaned Wells Act – "REGROW Act" Providing states, tribes, and federal agencies \$4.275 billion for orphaned well cleanup on state and private lands; \$400 million for orphaned well cleanup on public and tribal lands; \$32 million for related research, development, and implementation to properly clean up and retire abandoned oil and gas wells which currently do not have a party responsible for them. A modified version of the "REGROW Act" is incorporated in H.R.3684 - Infrastructure Investment and Jobs Act approved by the Senate and pending in the House.

EPA On 08/21/2018 the U.S. Environmental Protection Agency (EPA) proposed a new rule to reduce greenhouse gas (GHG) emissions from existing coal-fired electric utility generating units and power plants across the country. This proposal, entitled the Affordable Clean Energy (ACE) Rule, establishes emission guidelines for states to use when developing plans to limit GHGs at their power plants. The ACE Rule replaced the prior administration's Clean Power Plan (CPP) and instead empowers states, promotes energy independence, and facilitates economic growth and job creation. Pursuant to President Trump's Executive Order 13873, which directed Federal agencies to review burdensome regulations, the EPA undertook a review of the CPP. Many believed the CPP exceeded EPA's authority under the Clean Air Act, which is why 27 states, 24 trade associations, 37 rural electric co-ops, and three labor unions challenged the rule. The Supreme Court issued an unprecedented stay of the rule. The proposal was published in the Federal Register on 8/31/18 and EPA took comment on the proposal for 60 days and held a public hearing. More information is available at <https://www.epa.gov/stationary-sources-air-pollution/proposal-affordable-clean-energy-ace-rule>. On July 8, 2019, EPA issued the final Affordable Clean Energy rule (ACE) and repealed the Clean Power Plan. On the same day the American Lung Association and the American Public Health Association filed a challenge to the rules in the U.S. Court of Appeals for the District of Columbia. Since then, 22 states, the District of Columbia and six municipalities led by the state of New York lodged a challenge to the rules in the D.C. Circuit, followed closely by a third challenge brought by environmental groups. Numerous industry groups and power providers are seeking to intervene in the litigation in support of the ACE rule. The EPA has asked the court to expedite review of the challenges in the hope of achieving a resolution in the D.C. Circuit by summer of 2020.

EPA On 6/3/16 the final rule proposing a suite of changes to Clean Air Act permitting requirements for new and modified emissions sources in the oil and natural gas industry was published in the Federal Register. On 6/29/16 the NDIC decided to file a Petition for Review with the US Appeals Court for the District of Columbia to defend the state's sovereign jurisdiction over oil and gas regulation. Thirteen other states have joined this effort. North Dakota declined the standard offer to explore settlement through the court's mediation program.

The proposed actions and NDIC comments are as follows:

- o Proposed New Source Performance Standards – Docket ID number EPA-HQ-OAR-2010-0505. NDIC comments can be found at <http://www.nd.gov/ndic/ic-press/EPA-HQ-OAR-2010-0505.pdf>
- o Draft Control Techniques Guidelines – Docket ID number: EPA-HQ-OAR-2015-0216. NDIC comments can be found at <http://www.nd.gov/ndic/ic-press/EPA-HQ-OAR-2015-0216.pdf>
- o Proposed Source Determination Rule – Docket ID number: EPA-HQ-OAR-2013-0685. NDIC comments can be found at <http://www.nd.gov/ndic/ic-press/EPA-HQ-OAR-2013-0685.pdf>
- o Proposed Federal Implementation Plan for Implementing Minor New Source Review Permitting in Indian Country – Docket ID number: EPA-HQ-OAR-2014-0606. NDIC comments are at <http://www.nd.gov/ndic/ic-press/EPA-HQ-OAR-2014-0606.pdf>.

North Dakota et al. and EPA have filed motions to govern further proceedings and briefing schedules. On 3/28/17 President Trump issued an executive order which in part directs "The Administrator shall review the final rule entitled "Oil and Natural Gas Sector: Emission Standards for New, Reconstructed, and Modified Sources," 81 Fed. Reg. 35824 (November 3, 2016), and any rules and guidance issued pursuant to it, for consistency with the policy set forth in section 1 of this order and, if appropriate, shall, as soon as practicable, suspend, revise, or rescind the guidance, or publish for notice and comment proposed rules suspending, revising, or rescinding those rules." On 4/7/17 EPA filed a motion to hold the cases in abeyance. On 6/8/17 the NGO environmental groups challenged EPA's November 5th decision to issue a 90 day stay of the Rule's upcoming implementation dates. The NGOs argue that EPA's justifications for its stay (onerous implementation costs and excessive state administrative burdens) of the Rule were already raised and rejected by EPA during EPA's original rulemaking and that the requirements of a "judicial stay" are not met. The NGO's action is a new case, filed in the D.C. Circuit. They have also filed an emergency motion asking the Court to immediately vacate EPA's decision. On November 3 the DC Circuit court issued a 2:1 decision granting the NGO petition and vacating EPA's 90 day stay of the rule. North Dakota filed an amicus brief in support of the EPA stay. On 7/13/17 the same DC Circuit court granted an EPA motion to recall the mandate and granting 14 days for then EPA to seek reconsideration or review by the full court. API and WVA along with other states filed petitions for rehearing en banc, but on 8/10/17 the entire DC Circuit issued an order denying the API and WVA et al States petitions. EPA now proposes a 2-year stay of certain provision in the oil and gas NSPS. North Dakota filed comments on 8/9/17 in support of the proposed 2-year stay. On 11/8/17 EPA published a Federal Register notice request for supplemental comments relating to the current Administration's efforts to change course on the oil and gas sector methane regulations put in place by the Obama Administration. North Dakota did not submit additional comment to EPA because the North Dakota comments submitted on 8/9/17 correctly advocate that EPA's rationale for the two year stay also justifies outright repeal of the original Rule, so it justifies a two year stay. On 9/11/18 EPA proposed targeted improvements to the 2016 New Source Performance Standards for the oil and gas industry that streamline implementation, reduce duplicative EPA and state requirements, and significantly decrease unnecessary burdens on domestic energy producers. This oil and gas targeted improvements package is expected to save up to approximately \$484 million in regulatory costs from 2019 – 2025 or \$75 million annually. NDIC comments can be found at <http://www.nd.gov/ndic/ic-press/EPA-HQ-OAR-2017-0757.pdf>. On 9/14/20 EPA's final Methane Rule was officially published in the Federal Register, making the rollback effective. On the very same day, a group of states filed a new lawsuit in the D.C. Circuit asking the court to review EPA's new methane regulations. A number of environmental groups followed suit the next day, asking the court to put an emergency halt to the rule. On 9/17/20 the D.C. Circuit issued an administrative stay, which temporarily freezes the EPA's rollback from taking effect while the court considers a long-term suspension of the rule. The court's order states that the administrative stay "should not be construed in any way as a ruling on the merits." On 10/14/20 North Dakota moved to intervene and on 1/22/21 filed a brief in support of the 2020 rule and requesting dismissal of petitioner's claims.

5/14/21 EPA is taking the first step to develop a proposed rule to reduce methane and other harmful pollutants from new and existing sources in the oil and natural gas industry. Today's actions are in response to President Biden's Executive Order 13990. "As we move forward to reduce pollution from oil and gas operations, it is vitally important to hear from all stakeholders, including those from impacted communities and industry," said EPA Administrator Michael S. Regan. President Biden's Executive Order "Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis" called on EPA to consider issuing a proposed rule by September 2021 to strengthen standards for methane emissions from new, reconstructed, and modified oil and natural gas sources and to address methane emissions

from existing sources.

How to share input:

- Training webinars: On May 25, 26, and 27, 2021, EPA will hold training webinars for communities, Tribes and small businesses to provide an overview of the oil and natural gas industry and share information to help members of those groups effectively engage in the regulatory process. Each training will be held at 2 p.m. eastern time.
- Public Listening Sessions: EPA will hold virtual public listening sessions from noon to 9 p.m. eastern time June 15, 16, and 17, 2021. During the listening sessions, registered members of the public will have the chance to provide their views on the oil and natural gas industry as it relates to climate change, health and EPA's upcoming proposed rule. The agency also has opened a non-rulemaking docket for people who wish to provide their input and perspectives in writing.
- Docket for public input: Beginning today, members of the public may submit their perspectives and input to the docket in advance of the September proposed rulemaking. Instructions for submitting input are available on EPA's website. For information on submitting input to the docket, or to register to attend a training or listening session, visit <https://www.epa.gov/controlling-air-pollution-oil-and-natural-gas-industry/epa-announces-public-listening-sessions>.

PHMSA Advance notice of proposed rulemaking (ANPRM) was announced 1/10/17.

SUMMARY: PHMSA is considering revising the Hazardous Materials Regulations (HMR) to establish vapor pressure limits for unrefined petroleum-based products and potentially all Class 3 flammable liquid hazardous materials that would apply during the transportation of the products or materials by any mode. PHMSA is currently assessing the merits of a petition for rulemaking submitted by the Attorney General of the State of New York regarding vapor pressure standards for the transportation of crude oil. The petition requests that PHMSA implement a Reid Vapor Pressure (RVP) limit less than 9.0 pounds per square inch (psi) for crude oil transported by rail. This rule making could substantially interfere with NDIC oil conditioning regulations. You can read about the NDIC regulations at [https://www.dmr.nd.gov/oilgas/2014Permitting\(2\).asp](https://www.dmr.nd.gov/oilgas/2014Permitting(2).asp). NDIC submitted comments on 3/20/17 and the comment period closed on 5/19/17. On 6/6/2018 Senator Schumer wrote urging DOE and PHMSA to propose and quickly finalize a rule establishing federal volatility standards for the shipment of crude oil by rail in the United States. The NDIC submitted a letter on 6/28/18 to proactively correct several conclusions and statements in Senator Schumer's letter about NDIC oil conditioning regulations and provide the background and a better understanding of the state's oil conditioning standards for Bakken, Three Forks, and/or Sanish crude oil prior to market transport. On 5/11/20 PHMSA published notice of withdrawal of this proposed rulemaking.

PHMSA On 5/9/19 Governor Inslee signed into law Washington State Engrossed Substitute Senate Bill 5579 "Crude Oil by Rail – Vapor Pressure" which became effective on 7/28/19. On 7/17/19 the North Dakota Attorney General and Montana Attorney General filed an application for preemption of the Washington Volatility Restrictions on Crude Oil Transported by Rail. The state of Washington requested a 30 day extension of the comment period to 9/23/19 which PHMSA granted. Response to comments deadline was 10/23/19. On 5/11/20 PHMSA published notice of Administrative Determination of Preemption of the WA statute and rules. No petition for reconsideration or petition for judicial review was filed.

USFS published for comment on 11/2/18 draft supplemental environmental impact statement for oil and gas leasing on the Dakota Prairie Grasslands. The proposal documents can be found at <https://www.fs.usda.gov/project/?project=40652> and clicking on Analysis. The recommended alternative increases "No surface occupancy" 32,700 acres, decreases "Timing limitations or controlled surface use" 20,100 acres, and decreases "No added stipulations" 12,600 acres. On 2/1/19 the USFS extended the comment period to 2/20/19. The FR NOA for 8-14 is available to preview at: <https://s3.amazonaws.com/public-inspection.federalregister.gov/2020-17812.pdf>. The FSEIS and DROD are located at the end of page 1 into page 2. The Final Record of Decision was signed 12/7/20.

USFS published for comment on 8/31/20 a proposed rule to revise its regulations governing Federal oil and gas resources on National Forest System lands (36 CFR part 214, 228, and 261). The proposal documents can be found at <https://beta.regulations.gov/document/FS-2020-007-001>. NDIC comments can be found at <http://www.nd.gov/ndic/ic-press/Forest%20Service%20Comments%20201022%20final.pdf>