

2nd Cracker Plant in the Ohio River Valley?

Judging from a newspaper story in today's Wheeling, West Virginia newspaper, the PTTGCA ethane cracker plant is still a strong possibility for a shovel-ready site in Dilles Bottom, Ohio, since financial commitments are still being honored. [Complete blog](#)



Williams cryogenic gas plant near the proposed underground storage hub and PTT cracker plant across the river in Ohio

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The Utica Shale: Ohio's Under-Appreciated Economic Machine

The [Utica Shale](#) has never really gotten the level of attention and respect it probably deserves as a major U.S. resource of natural gas and natural gas liquids (NGLs). The Utica's proximity to and co-existence with the immense [Marcellus Shale](#) natural gas formation has a great deal to do with its not getting so much attention for being such a major resource play.

The past decade has seen another boom in the state, this time centered around not oil, but natural gas and the various liquids elements contained in the rich production from the Utica Shale formation. Instead of new refineries, Ohio has seen an array of new natural gas processing and fractionating plants constructed, along with billions in new investments by **a booming chemicals and plastics sector** that uses natural gas and NGLs as feedstock. Centered in the Southeastern quarter of Ohio, the boom in the Utica that kicked off in earnest in 2011 had resulted in over \$86 billion in new capital investments. [Full story](#)

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Supreme Court rules against EPA effort to regulate power plant emissions in major climate suit

The court sides with conservative states and fossil-fuel companies in adopting a narrow reading of the Clean Air Act

The Supreme Court on Thursday ruled against an Environmental Protection Agency effort to regulate power plant emissions, dealing a blow to the Biden administration in one of the **most significant climate cases decided by the high court in more than a decade**. Chief Justice John Roberts wrote the opinion for a 6-3 majority. The court's three liberal justices dissented.



At the center of the case was a question about whether the EPA had authority to curb carbon emissions from power plants. Simmering just below the surface was a deeper debate over how much authority all federal agencies have to issue regulations absent explicit authorization from Congress – an issue with far-reaching implications.

The initial reductions sought in the Obama plan, meanwhile, were already achieved through the closure of coal plants – a shift driven by economic, not government, forces. [Full story](#) | [More](#)

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Range Resources (RRC) Surges 52% YTD: What's Driving It?

Zacks Equity Research / June 28, 2022

Range Resources Corporation's [RRC](#) shares have jumped 52% year to date compared with 33.1% growth of the composite stocks belonging to the industry.

The Zacks Rank #1 (Strong Buy) company, with a market cap of more than \$7 billion, has witnessed a rise in the Zacks Consensus Estimate for 2022 and 2023 earnings per share in the past 60 days. Let's delve deeper into the factors behind the stock's price appreciation.

Factors Favoring the Stock

The price of natural gas has skyrocketed almost 77% so far this year. The massive improvement in the commodity price is a boon for Range Resources' operations since it is a leading producer of natural gas and natural gas liquids in the United States.

Apart from geopolitical uncertainties resulting from Russia's invasion of Ukraine, a remarkable turnaround in the energy industry has been prompted by a demand spike due to the reopening of economies and a rebound in activity. As most of its production comprises natural gas, Range Resources is well-positioned to capitalize on the mounting clean energy demand.

In the prolific Appalachian Basin, the company has a strong focus on stacked-pay gas projects. RRC has a multi-decade inventory of premium drilling locations in the Marcellus shale play of the Appalachian basin, which are likely to provide production for several decades. **It has 3,100 undrilled wells in the region. Of the total, 2,600 wells are liquid-rich**, while the rest has a natural gas majority. Also, the company has the lowest emission intensity among the upstream companies in the United States.

For 2022, Range Resources expects total production of 2.12-2.16 billion cubic feet equivalent per day (Bcfe/d), the mid-point of which suggests an improvement from 2.13 Bcfe/d reported last year. Higher production is expected to boost the company's bottom line. Notably, the upstream energy firm expects the free cash flow to exceed \$1.4 billion in 2022, which could be the highest among Appalachian players.

Range Resources has a strong focus on returning capital to shareholders. The company has reinstated its regular quarterly cash dividend, expected to start in the second half of this year. Range Resources anticipated its annual dividend rate at 32 cents per share. Also, RRC's board of directors authorized a \$500-million share repurchase program, which is likely to be funded with its free cash flow generation. Thus, the Range Resources stock appears to be a solid bet now, based on the strong fundamentals and compelling business prospects. [Full story](#)

‘Pacific INEOS Grenadier’, ethane carrier ship, named in honour of INEOS’ Grenadier 4X4

Today in Houston, one of the world’s largest ethane carriers came face to face with its namesake, the INEOS Grenadier 4X4, at the ship’s official christening ceremony. The vehicle was present as a guest of honour on the quayside as the ceremony took place.



Built in Jiangnan, China and operated by Pacific Gas, the Pacific INEOS Grenadier is made of approximately 18,000 tonnes of steel and 40,000 metres of piping. At 230 metres it is longer than two American football pitches combined (eight basketball courts).

Named after the rugged off-road vehicle, the Pacific INEOS Grenadier is a 99,000 CBM VLEC (Very Large Ethane Carrier) and is the latest ship to join the INEOS fleet. The ship is fitted with Type B tanks, a new design for transporting liquified ethane that optimises vessel capacity. The ship also has the potential to carry other products such as LPG and ethylene.

The INEOS ethane fleet now consists of twelve vessels including four VLECs, and eight ‘Dragon’ ships. The Dragon ships have been regularly transporting ethane across the Atlantic for over six years. [Full story](#)

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The G7 Has Paved the Way for Increased Oil and Gas Spending

Despite repeated commitments to emission reduction and a switch to cleaner energy sources on the part of governments in Europe and North America, oil investment is about to start growing again. The clearest sign yet was the G7 meeting this week, where the members of the rich club negotiated a delay in the complete halt of investments in fossil fuels in third countries as their own countries grapple with energy shortages that have no recent precedent. So the main question appears to be the one Woods asked rhetorically:

When will oil prices go high enough to spur more investment in new production?

For now, the answer remains largely shrouded in uncertainty. Yet the fact that the current level of prices is not high enough to do that indicates consumers face more pain at the pump and elsewhere before things start to get better. [Full story](#)

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REPORT: West Virginia's oil and gas production increased 6% in 2021

In total, more than **\$319 million in tax revenue** was generated directly from gas and oil operators during Fiscal Year 2021. [Full story](#)



Backyard pool in West Virginia. Photo: Marcellus Air

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Texas Proposes Rules to Ready Natgas Industry for Weather Emergencies

The proposed rule is the latest in a series of regulations to avoid another energy emergency like the 2021 February freeze that left millions of Texans without power, water and heat for days during a deadly storm following the shutdown of an unusually large amount of electric generation and gas pipelines. The RRC said the proposed rule, approved on Tuesday, is open for public comment through August 15. [Full story](#)

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Shell to sign deal with Qatar for large LNG project

Shell Plc is set to follow other Western energy majors by taking a stake in a \$29 billion project to boost Qatar's exports of liquefied natural gas, just as Europe races to shore up new supplies of the fuel. Qatar is increasing its output capacity amid a global energy crunch. Demand for LNG is soaring as European nations try to wean themselves off Russian gas.

It's unclear how much Shell will invest in **North Field East**. **Exxon Mobil Corp. and TotalEnergies SE** will each own 6.25%, while **ConocoPhillips and Eni SpA** are getting stakes half that size.



Qatar is one of few nations that can substantially replace Russian energy supplies to Europe, though not until its extra gas starts flowing. It is planning a second expansion phase called **North Field South**. That will raise its capacity to 126 million tons a year by 2027. Many of the partners for that project will be the same as those on North Field East.

[Full story](#)

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LOUISIANA

Natural gas well rupture leads to voluntary evacuations in Arnaudville area

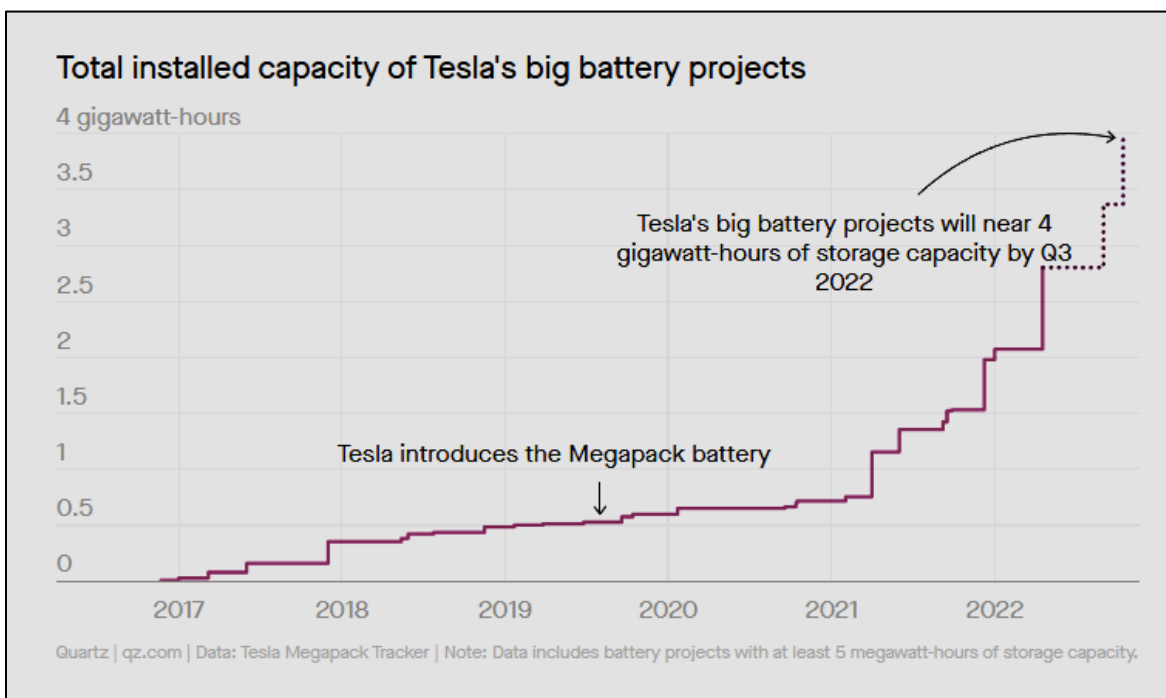
No injuries reported following a natural gas well rupture that ignited Wednesday in Arnaudville. *Photo: Scott Taylor* [Full story](#)



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Tesla is killing off coal and gas plants with its giant battery projects

In 2019, Tesla [introduced the Megapack](#), a battery the size of a shipping container designed to kill coal- and gas-fired “peaker” power plants. Peaker plants sit idle for most of the day, but fire up to provide extra energy whenever demand for electricity spikes and the power grid can’t keep up.



Tesla pitched Megapack batteries as a more climate-friendly alternative to peaker plants because they can store renewable energy when electricity demand is low, and then pump power back onto the grid when demand peaks. Each Megapack battery can store [three megawatt-hours \(MWh\) of electricity](#), enough to power [about 100 US homes](#) for a day. Tesla’s biggest battery installation involves [256 Megapack battery units](#). [Full story](#)

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Freeport LNG outage spawns bearish North American gas market fundamentals and late-2022 uncertainty



On 8 June 2022, the Freeport LNG export facility on Quintana Island in Brazoria Co., Texas, suffered a leak in the pipe racks, which support the transfer of LNG from the storage tank area to the terminal's dock facilities, resulting in an explosion and subsequent fire. Liquefaction operations and approximately 2 Bcf/d of feed gas deliveries were suspended, with preliminary expectations for a three-week complete shutdown. On 14 June 2022, the project operator revealed that a return to normal operation could be delayed until late 2022 with resumption of partial activity in about 90 days.

The market's initial reaction was swift and expanded following the project operator's update on 14 June suggesting a longer outage period.

The bearish demand implications led to the New York Mercantile Exchange (NYMEX) prompt month contract quickly shedding about \$0.68/MMBtu, or over 7%, to fall to \$8.61/MMBtu by 13 June 2022. Following the 14 June update, NYMEX cratered by nearly 19% during the trading session to \$7/MMBtu, before recovering some ground to end at \$7.19/MMBtu. Nonetheless, NYMEX volatility remains high while production is still rangebound (95-96 Bcf/d) and a heatwave accelerates gas-fired power generation.

The price shock served as a form of whiplash for the market, which had been navigating record highs before the incident. Henry Hub prices had previously risen sharply in the several months preceding the explosion, briefly surpassing \$9/MMBtu in early June 2022. Concerns over supply from production in the prevailing capital discipline environment have been compounded by limited fuel-switching flexibility in the power sector between coal and gas. At the same time, US lower-48 LNG feed gas volumes had risen to record levels. The culmination spooked markets and contributed to prices that continued to rise amid a 341 Bcf storage deficit (below the lagging five-year average) as of May 2022.

The longer outage extending through much of the summer season will have far reaching implications for the US lower-48 market and its pricing benchmark, Henry Hub. [Full story](#)

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Illinois AG, Peoples Gas settle lawsuit over 2016 leak that reached Mahomet Aquifer

A Champaign County judge has approved an agreement between the state of Illinois and People's Gas Light and Coke Company that resolves a 5-year-old lawsuit stemming from a natural-gas leak that reached the drinking-water supply for Central Illinois.

The suit came in response to a 2016 natural-gas leak at Peoples Gas' Manlove Field underground storage facility near Fisher that reached the Mahomet Aquifer, the largest freshwater source in Illinois, and nearby residents' private wells.

The consent order requires Peoples Gas to implement a "groundwater management zone" approved by the Illinois Environmental Protection Agency. That involves the operation of four new relief wells to remove methane from the aquifer. [Full story](#)

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Environmental groups sue to block Biden admin's oil drilling lease plan

Environmental groups sued the Biden administration to block its revival of plans to allow new oil drilling on public land in western states.

The Sierra Club, Center for Biological Diversity and eight other national and regional environmental groups said the administration's plan to sell 173 oil and gas leases violates the U.S. environmental laws.

A week after taking office in 2021, President Joe Biden paused the sale of oil and gas leases and ordered the Interior Department to assess the environmental costs of new drilling, including on global warming.

Five months later, a federal judge in Louisiana invalidated the moratorium. In April, with gas prices rising at the pump, the administration announced plans for the new lease sales.

The complaint filed Tuesday in Washington federal court names the Interior Department and the Bureau of Land Management as defendants. The lease sales began in Wyoming on Wednesday.

The case is Dakota Resource Council v. Department of the Interior, 22-cv-01853, U.S. District Court, District of Columbia (Washington).

[Full story](#)

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July 6, 2022 7:30 PM

[REGISTER](#)

During BCMAC's July virtual Eyes on Shell Watchdog meeting, we will discuss our journal entries, and a listen to a presentation about our health living near a plastics plant from **Matthew Mehalik of the Breathe Project and Dr Ned Ketyer of the Environmental Health Project**. They will speak about expected air contaminants, water pollution, health impacts residents can expect and steps residents can take to protect themselves and their loved ones from harm.

Did you miss our last meeting? Visit BCMAC's [Eyes on Shell information page](#) to learn more about what types of community monitoring the Eyes On Shell Watchdog members will be doing. You can also fill out the survey given at the first meeting [here](#).

The Eyes on Shell group was founded after our Preparing for Petrochemicals meeting that BCMAC held in December 2021. To see a recording of this meeting, click [here](#).

Register

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U.S. Supreme Court Decision Did Not Affect EPA's Ability to Regulate Carbon Dioxide as a Pollutant

Has No Impact On DEP's RGGI Power Plant Carbon Pollution Reduction Program

On June 30, the U.S. Supreme Court issued a decision cutting back the U.S. Environmental Protection Agency's ability to reduce carbon pollution from existing power plants under the federal Clean Air Act.

The Court ruled EPA did not have explicit Congressional authorization to adopt a rule to shift power generation toward renewable sources. EPA does have authority to regulate carbon dioxide as a pollutant under the federal Clean Air Act and the Court's ruling did not address that existing authority.

DEP Statement

Acting Secretary of the Department of Environmental Protection Ramez Ziadeh issued this statement in response to the Supreme Court ruling-- "Governor Tom Wolf and DEP have been at the forefront of protecting the air we breathe and ensuring that communities are not bearing unfair burdens from regulations protecting air quality.

"Cost-effective actions like reducing methane leaks from gas wells and participating in the Regional Greenhouse Gas Initiative will continue to improve Pennsylvania's air for years to come.

"Today's ruling undercuts good-faith efforts to fight climate change and protect clean air but that does not mean we will stop fighting. Pennsylvanians strongly favor strong protections for the air we all breathe, the water we drink, and the land we live, work, and play on. This administration will continue to uphold our constitutional responsibility to conserve and maintain clean air and pure water for all people, including generations yet to come."

Other Reaction

In a statement reacting to the ruling, [PennFuture](#) President and CEO Jacquelyn Bonomo said--

"PennFuture is extremely dismayed by the Supreme Court's decision today in the case of West Virginia vs. Environmental Protection Agency.

“This misguided decision will have far-reaching consequences and is exactly the opposite of what is needed in this moment as the climate crisis continues to accelerate unabated.

“The stripping of the [federal] executive branch’s power to enforce regulations that cut greenhouse gas pollution and fight climate change that impacts every region of our country, and leaving it in the hands of a Congress that has shown almost no appetite to do so, will have disastrous consequences.”

No Impact On PA RGGI Rule

“We have seen this same scenario play out in Pennsylvania, where legislators have tried time and again to strip Gov. Wolf’s existing authority under Pennsylvania law to enter the Commonwealth into the Regional Greenhouse Gas Initiative,” according to PennFuture.

“Similar to Pennsylvania’s General Assembly, lawmakers in Congress aren’t actually interested in having the authority to fight climate change. Instead, they only seek to take power away from other branches of government that have spurned Congress’ inaction on climate issues and have dared to act in the best interests of our residents and our planet.

“Pennsylvania’s Constitution clearly grants guaranteed rights to clean air for every resident, and Pennsylvania’s Air Pollution Control Act gives our Department of Environmental Protection the authority to regulate pollution.

“The decision handed down by the Supreme Court does not change these rights and it does not change Pennsylvania’s authority to regulate greenhouse gases.”

Pennsylvania’s final regulations implementing the Regional Greenhouse Gas Initiative became effective on April 23, 2022. [Read more here.](#)

Visit DEP’s [Regional Greenhouse Gas Initiative](#) webpage for more information.

NewsClips:

- AP: [U.S. Supreme Court Limits EPA’s Authority To Curb Greenhouse Gas Emissions From Power Plants](#)
- WSJ: [U.S. Supreme Court Limits Power Of EPA Over Greenhouse Gas Emissions, Other Regulatory Agencies](#)
- WPost: [U.S. Supreme Court Limits EPA’s Power To Reduce Carbon Emissions From Power Plants](#)
- Reuters: [U.S. Supreme Court Limits Federal Power To Curb Carbon Emissions](#)
- Bloomberg: [U.S. Supreme Court Curbs EPA’s Climate Authority In Blow To Biden](#)
- Financial Times: [U.S. Supreme Court Curbs EPA’s Power To Regulate Greenhouse Gas Emissions](#)

[Posted: June 30, 2022] [PA Environment Digest](#) | [Full story](#)

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Republicans On Senate Committee Report Out Bill Exempting Conventional Oil & Gas Wells from Plugging Bonds

Sticking Taxpayers With \$5.1 Billion in Cleanup Liability

On June 30, Republicans on the [Senate Environmental Resources and Energy Committee](#) voted to report out [House Bill 2644](#) (Causser-R-Cameron) blocking any increase in conventional oil and gas well plugging bonds, exempting pre-1985 wells (which is most of them) from any bonding leaving taxpayers liable for \$5.1 billion in cleanup costs.

The vote was seven to four with all Republicans supporting, all Democrats opposed.

At the meeting, Sen. Scott Hutchinson (R-Venango) confirmed there are conversations going on with the Wolf Administration over putting some language from this bill into legislation that must move as part of the final budget settlement, but he was not more specific.

Background

House Bill 2644 was introduced to head off a proposal accepted for study by the Environmental Quality Board in November to increase the well plugging bonding amounts for both conventional oil and gas and unconventional shale gas drillers to what it now costs taxpayers to plug a well when operators walk away from their obligations. [Read more here.](#)

The public description of the bill provided by the prime sponsor tries to camouflage the real operational language and purpose of the bill. Just read the bill, you'll see.

The legislation would lock in law the bonding amounts for conventional wells at \$2,500 per well, when the average cost to taxpayers of plugging conventional wells is \$33,000.

The bill also allows operators to file a blanket bond of a total of \$25,000 for all the operator's wells in the state, of which individual operators have hundreds.

The bill again puts in law again a provision exempting oil and gas wells drilled prior to April, 1985 from being required to have any plugging bond. An overwhelming majority of the over 110,000 active oil and gas wells in Pennsylvania were drilled before April 1985.

DEP records show conventional oil and gas companies were issued over 4,270 notices of violation for attempting to abandon oil and gas wells without plugging them between 2016 and 2021. Abandoning wells is pervasive in the industry. [Read more here.](#)

During the first quarter of 2022 DEP issued 77 notices of violation to conventional operators for attempting to abandon their wells without plugging them, and those were the ones DEP caught. [Read more here.](#)

Taxpayers are now liable for paying over \$5.1 billion to plug conventional oil and gas wells operators have already abandoned or are inadequately bonded to pay plugging costs. [Read more here.](#)

The new well plugging program established in the federal Bipartisan Infrastructure Act requires states to review their regulations to prevent new wells from becoming abandoned wells. Making sure well plugging amounts are adequate to cover the taxpayer cost of plugging them is a big part of that prevention effort. [Read more here.](#)

By preventing any increase in the woefully inadequate bonding amounts DEP has now, this legislation gets in the way of that requirement and further burdens taxpayers. The bill would also set aside 20 percent of the federal money Pennsylvania is receiving from the Bipartisan Infrastructure Act for conventional oil and gas well plugging to be used as grants to companies interested in plugging wells with few qualifications and no check on whether they have outstanding environmental or other contracting violations. [Read more here.](#)

The bill also sets limits on how deep a well must be plugged in terms of feet not in terms of the effectiveness of the plug in cutting off possible routes to contaminate ground or surface water and preventing methane emissions.

The bill also provides well plugging companies with civil immunity from any damage it causes and for any violations of environmental laws and regulations. The bill now goes to the full Senate for consideration.

[Sen. Gene Yaw](#) (R-Lycoming) serves as Majority Chair of the [Senate Environmental Committee](#) and can be contacted by calling 717-787-3280 or sending email to: gyaw@pasen.gov. [Sen. Carolyn Comitta](#) (D-Chester) serves as Minority Chair and can be contacted by calling 717-787-5709 or sending email to: senatorcomitta@pasenate.com.



Be prepared for many more abandoned conventional wells like these if this legislation is passed or included in the budget settlement

[Posted: June 30, 2022] [PA Environment Digest](#) | [Full story](#)

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PA Environment & Energy NewsClips 6.30.22

Senate returns to session June 30, **July 1, 2, 3** [[Budget Time!](#)]

-- [Committee Schedule](#)

House returns to session June 30, **July 1** [[Budget Time!](#)]

-- [Committee Schedule](#)

TODAY's [Calendar Of Events](#)

Note: Senate, House are adding voting session days to move budget bills implementing a final budget agreement-- unless things change, of course.

-- Bay Journal: [Penn State Study: Conventional Oil & Gas Wastewater Spread On Pennsylvania Roads Bad For Health, Land](#) - By Ad Crable, Chesapeake Bay Journal [PaEN]

-- Senate Environmental Committee [Meets June 30 On Bill Exempting Conventional Oil & Gas Wells From Plugging Bonds Sticking Taxpayers With \\$5.1 Billion In Cleanup Liability](#) [PaEN]

Take Action Now!

-- Bipartisan Group Of Lawmakers, [Hunters, Anglers, Farm, Environmental, Recreation Groups All Working Together, Down To The Wire, To Bring Home A Win On Growing Greener III Funding](#) [PaEN]

-- Most UNwanted List: [Lookout For Bad Environmental, Energy Provisions During Final Budget Week](#) [PaEN]

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-- Delaware Highlands Conservancy [Green Lodging Partnership Celebrates 10 Years Of Supporting Local Conservation](#) [PaEN]

-- U.S. DOE [Seeks Public Input On \\$500 Million Bipartisan Infrastructure Program To Turn Former Mine Lands Into Clean Energy Projects](#) [PaEN]

-- Pittsburgh Business Times: [EPA Hearing On Drilling Wastewater Injection Well Hears Plum Borough Residents' Complaints](#)

-- WPSU: [For A Rural Elk County Community, A Cryptocurrency 'Mine' Brought Noise Pollution Like A Jet Engine](#)

-- The Guardian: [The Natural Gas Industry's New Playbook? Advertise To The Young, People Of Color](#) [PA Included]

-- Centre Daily Times: [Benner Twp Residents Want Expanded PFAS Water Testing Around State College Airport Contamination Site](#)

- Williamsport Sun: [Williamsport Joins Hazmat Training On Railroad Preparedness For Real-Life Scenarios](#)
- DEP [Declares Air Quality Action Day For Thursday, June 30 In Philadelphia Region](#)
- WESA: [Braddock Residents, Environmentalists Push Back On Air Pollution From Edgar Thomson Steel Works](#)
- Encore Tire Recycling [Event July 9 In Greensburg, Westmoreland County; Volunteers Needed](#) [PaEN]
- PA Resources Council [Hosts 2 Allegheny County Hard-To-Recycle Collection Events In July](#) [PaEN]
- Warren Times: [Invasive Hemlock Woolly Adelgid Seen In Warren For First Time](#)
- MCall: [Invasive Jumping Worms Are In The Lehigh Valley, What You Need To Know](#)
- WLVR: [Penn State Researchers Want Public's Help It Discovering What Eats Spotted Lanternflies](#)
- PennLive - Marcus Schneck: [PA Freshwater Mussel Included As Part Of Lawsuit Over Endangered Species Protection](#)
- PennLive: ['Critically Endangered' Andean Condor Hatches At National Aviary In Pittsburgh](#)
- DCNR: [State Agencies Highlight Responsible Celebration With Alcohol Ahead Of July 4 Holiday Weekend](#)
- Erie Times - Brian Whipkey: [Night Skies In PA: State Parks Offer Clear Views For Stargazers, Astrotourists](#)
- Erie Times: [Lack Of Lifeguards Affects Erie-Area Beaches, Pools, Parks](#)
- WeConservePA Hosts Sept. 15-16 [Leave No Trace Minimum Impact Outdoor Recreation Practices & Education Workshop](#), Rushton Conservation Center, Newtown Square, Delaware County.
- Save The Date: [Delaware River Festival - Sept. 24 - Philadelphia - Camden](#)
- PennLive - Marcus Schneck: [Pittsburgh Named One Of Top Fishing Cities In New Study](#)
- Game Commission [Board Meets July 8 In Harrisburg](#)
- Post-Gazette - John Hayes: [PA Boat Registration Process Simplified](#)

- WTAJ: [Diversified Energy Donates Game Commission Buildings For Wildlife Processing](#)
- PennLive - Marcus Schneck: [Storm Of Mayflies Moving Up The Susquehanna River](#)
- Hawk Mountain Sanctuary [Highlights July - Summer Events](#)

**6th Oil/Natural Gas Spike: True Energy Independence Means Renewables
[There Is No Limit To What Oil/Natural Gas Industry Can Make You Pay]**

- PA Consumer Advocate [To Investigate Unusually Large Weather Normalization Charge To Customers Of Philadelphia Natural Gas Works](#)
- Inquirer - Andrew Maykuth: [PA Consumer Advocate To Investigate Excessive Philadelphia Natural Gas Works Weather Charges](#)
- WHYY: [PA Consumer Advocate To Investigate Philadelphia Natural Gas Works Weather Charges; Does Billing Practice Put Customers On Hook For Warming Temps Due To Climate Change?](#)
- TribLive Guest Essay: [Dr. Oz's Misinformed Oil & Natural Gas Policies](#) - Penn State Public Policy Student
- Natural Gas Intelligence: [U.S. Oil Production Hits New 2022 Peak, But Remains 1 Million Barrels/Day Below Pre-Pandemic Levels](#) [U.S. EIA]
- U.S. EIA: [U.S. Oil Company Refinery Capacity Decreased In 2021 For 2nd Consecutive Year](#)
- Reuters: [Little Demand For Oil & Gas Drilling Rights On Federal Land In Govt. Auction](#)
- Bloomberg: [European Natural Gas Prices Jump As Supply Risks Add To Storage Concerns](#)
- AP: [Climate Concerns Grow As U.S. Helps Europe Replace Russian Natural Gas](#)
- EnergyWire: [LNG Explosion Shines Light On 42-Year-Old Natural Gas Rules](#)
- Bloomberg: [Shell Chief Paints Bleak Picture On Global Energy Supply; Not Enough LNG To Cover Russian Cuts](#)

American Rescue Plan Funding

-- [\\$11 Billion In Federal American Rescue Plan Funding To PA State Government, Local Governments Has Yet To Be Invested](#). What's Your Community Doing?

Other States/National/International

-- Financial Times: [Would Carbon Food Labels Change The Way Your Shop?](#)

PA Politics - Everything Is Connected

-- PA Capital-Star: [Here's Full List Of PA 2020 Fake Electors Under Investigation By FBI](#)

-- WPost: [Canada, New Zealand Designate Proud Boys, The Base As Terrorist Organizations](#)

-- Inquirer Editorial: [Lingering Threat Of Enablers Seeking To Overturn 2020 Election Results - Republican PA Cong. Scott Perry](#)

-- Post-Gazette - Julian Routh: [Republican Gubernatorial Candidate Mastriano Says Economy Will Sway Voters](#)

-- AARP-Pennsylvania Poll: [Black Voters Say Inflation Most Important To Them In Race For Governor](#)

-- Inquirer: [Dr. Oz's Image Took A Beating During Republican Primary, It's Weighing On Him As General Election Starts](#)

-- PennLive - John Baer: [Will Abortion Ruling Help PA Democrats Win In A Republican Year?](#)

-- WTF: [Bill Loosening Rules For PA Election Poll Watchers Heads To Wolf's Desk](#)

-- Post-Gazette: [PA Budget Won't Make June 30 Deadline As Republican Lawmaker Push Proposals Bound For A Wolf Veto](#)

-- AP: [Pennsylvania To Begin Fiscal Year Without A Budget](#)

-- PennLive - Charles Thompson/Jan Murphy: [State Budget Horse-Trading In Full Swing As Budget Deadline Approaches](#)

-- Post-Gazette Editorial: [Dock Legislators' Pay For Tardy State Budget](#)

-- AP: [Republicans Pass Bills Limiting LGBTQ Instruction, Trans Athletes Pass Senate](#)

-- MCall - Ford Turner: [Bill To Keep Transgender Athletes Out Of Girls' Sports Clears Legislature, Wolf Promises Veto](#)

-- PennLive - Jan Murphy: [PA Won't Become Next State To Ban Transgender Athletes, But It Doesn't Stop Republican Lawmakers From Trying](#)

-- PennLive - Jan Murphy: [Bills Limiting Student Exposure To Sexual Content Pass Senate](#)

-- AP: [House Republicans Set Up Committee To Consider Philly DA's Impeachment \[Do Nothing To Address Gun Violence\]](#)

-- TribLive Editorial: [Lawmakers Should Put Teeth In Police Background Database Law](#)

-- PA Capital-Star: [It's Beyond Time To Address Soaring Taxpayer Cost Of Private Cyber-Charter Schools](#)

-- Erie Times: [Erie County Community College Board Eyes New Campus Site](#)

-- The Center Square: [Open Records Bill Would Mean Major Changes For PA Funded State-Related Universities](#)

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RADON RECAP ...Revisited

Linda Wigington from ROCIS added these comments about radon testing:

“WHO (World Health Organization) has tighter standards for radon levels in homes - basically says no safe level due to the amount of radiation we are exposed to as a result of medical tests, but recommend that if you must use a **threshold it should be closer to 2**”

Through ROCIS participants northwestern Allegheny County tends to run high as well as Beaver/Butler counties. But there are plenty of high levels sprinkled all over Allegheny County. Pretty sure the county statistics which track official radon tests say that 40% of all tests (I assume initial tests) are over 4.


According to PA DEP: “Reducing radon levels below 2 pCi/L is difficult” [Source](#)

<<<<<>>>>>

Check the averages for your zip code!

PA DEP LINK: [Radon Test Data by Zip Code](#)

Our zip code includes Canonsburg:

|  pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION | | Radon Test Data by Zip Code | | |
|---|-------------|-----------------------------|------------------|------------------|
| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
| 15317 | BASEMENT | 5438 | 117.5 | 4.0 |
| 15317 | FIRST FLOOR | 383 | 45.1 | 2.9 |

HIGHEST TO LOWEST RESULTS from sampling of Washington County, PA locations:

Independence, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 17864 | BASEMENT | 71 | 154.4 | 16.2 |
| 17864 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Scenery Hill (Lois' heavily fracked area)

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15360 | BASEMENT | 98 | 193.1 | 14.0 |
| 15360 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Marianna, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15345 | BASEMENT | 35 | 44.9 | 13.1 |
| 15345 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Bentleyville, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15314 | BASEMENT | 103 | 101.8 | 8.6 |
| 15314 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Hickory, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15340 | BASEMENT | 82 | 125.1 | 8.1 |
| 15340 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Burgettstown, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15021 | BASEMENT | 329 | 110.1 | 7.3 |
| 15021 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Claysville, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15323 | BASEMENT | 98 | 79.5 | 7.0 |
| 15323 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Eighty Four, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15330 | BASEMENT | 475 | 89.9 | 6.2 |
| 15330 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

McDonald, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 15057 | BASEMENT | 1252 | 106.5 | 5.7 |
| 15057 | FIRST FLOOR | 56 | 14.8 | 2.9 |

Washington, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 15301 | BASEMENT | 2882 | 505.0 | 5.6 |
| 15301 | FIRST FLOOR | 170 | 81.9 | 4.8 |

Cecil, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15321 | BASEMENT | 166 | 92.3 | 5.2 |
| 15321 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Houston, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15342 | BASEMENT | 350 | 69.7 | 4.2 |
| 15342 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Centerville, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15342 | BASEMENT | 350 | 69.7 | 4.2 |
| 15342 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Amity, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15311 | BASEMENT | 53 | 9.1 | 3.3 |
| 15311 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

HIGHEST TO LOWEST AVG RESULTS from sampling other western PA locations:

Butler, PA 16002

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 16002 | BASEMENT | 1318 | 187.9 | 11.6 |
| 16002 | FIRST FLOOR | 43 | 41.4 | 9.6 |

Clinton, PA – West of PIT Intl Airport

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15026 | BASEMENT | 355 | 170.9 | 10.9 |
| 15026 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Evans City, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 16033 | BASEMENT | 711 | 209.2 | 10.6 |
| 16033 | FIRST FLOOR | 79 | 43.9 | 4.1 |

Butler, PA 16001

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 16001 | BASEMENT | 3953 | 501.1 | 9.2 |
| 16001 | FIRST FLOOR | 540 | 115.8 | 6.8 |

Waynesburg, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15370 | BASEMENT | 215 | 265.1 | 7.8 |
| 15370 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Steve's zip code north of Emsworth:

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 15237 | BASEMENT | 10749 | 237.9 | 7.6 |
| 15237 | FIRST FLOOR | 974 | 52.2 | 4.8 |

Monaca, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 15061 | BASEMENT | 1115 | 88.6 | 6.8 |
| 15061 | FIRST FLOOR | 57 | 36.3 | 4.2 |

Zelienople, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 16063 | BASEMENT | 842 | 115.0 | 6.6 |
| 16063 | FIRST FLOOR | 84 | 29.7 | 3.3 |

Imperial, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 15126 | BASEMENT | 986 | 151.0 | 4.6 |
| 15126 | FIRST FLOOR | 74 | 34.8 | 3.3 |

Jefferson Hills, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 15025 | BASEMENT | 615 | 80.0 | 4.5 |
| 15025 | FIRST FLOOR | 62 | 18.3 | 2.9 |

Pittsburgh, PA – North Shore

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15222 | BASEMENT | 111 | 62.9 | 3.3 |
| 15222 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

HIGHEST MAX RESULTS (readings over 100) from the above locations:

Washington, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 15301 | BASEMENT | 2882 | 505.0 | 5.6 |
| 15301 | FIRST FLOOR | 170 | 81.9 | 4.8 |

Butler, PA 16001

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 16001 | BASEMENT | 3953 | 501.1 | 9.2 |
| 16001 | FIRST FLOOR | 540 | 115.8 | 6.8 |

Waynesburg, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15370 | BASEMENT | 215 | 265.1 | 7.8 |
| 15370 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Steve's zip code north of Emsworth:

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 15237 | BASEMENT | 10749 | 237.9 | 7.6 |
| 15237 | FIRST FLOOR | 974 | 52.2 | 4.8 |

Evans City, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 16033 | BASEMENT | 711 | 209.2 | 10.6 |
| 16033 | FIRST FLOOR | 79 | 43.9 | 4.1 |

Scenery Hill (Lois' heavily fracked area)

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15360 | BASEMENT | 98 | 193.1 | 14.0 |
| 15360 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Butler, PA 16002

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 16002 | BASEMENT | 1318 | 187.9 | 11.6 |
| 16002 | FIRST FLOOR | 43 | 41.4 | 9.6 |

Clinton, PA – West of PIT Intl Airport

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15026 | BASEMENT | 355 | 170.9 | 10.9 |
| 15026 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Independence, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 17864 | BASEMENT | 71 | 154.4 | 16.2 |
| 17864 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Imperial, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 15126 | BASEMENT | 986 | 151.0 | 4.6 |
| 15126 | FIRST FLOOR | 74 | 34.8 | 3.3 |

Hickory, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15340 | BASEMENT | 82 | 125.1 | 8.1 |
| 15340 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Canonsburg/McMurray, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 15317 | BASEMENT | 5438 | 117.5 | 4.0 |
| 15317 | FIRST FLOOR | 383 | 45.1 | 2.9 |

Zelienople, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|--------------|------------------|------------------|
| 16063 | BASEMENT | 842 | 115.0 | 6.6 |
| 16063 | FIRST FLOOR | 84 | 29.7 | 3.3 |

Burgettstown, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15021 | BASEMENT | 329 | 110.1 | 7.3 |
| 15021 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

Bentleyville, PA

| Zip Code | Location | Num of Tests | Max Result pCi/L | Avg Result pCi/L |
|----------|-------------|-------------------|-------------------|-------------------|
| 15314 | BASEMENT | 103 | 101.8 | 8.6 |
| 15314 | FIRST FLOOR | Insufficient Data | Insufficient Data | Insufficient Data |

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Just in from Debbie B...

Pls don't miss this 6 min interview on CNN. McKibben sums up the climate crisis situation perfectly.

<https://vimeo.com/725751337>

SCOTUS decision: "Nothing could make Exxon happier."



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<https://robrogers.com/>

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