

THE WEEKLY PROFIT

FROM THE SACRIFICE ZONE

Sue Gilbert
Issue 42

Without prejudice

15th January 2019

View from Janes' bedroom Window. Image by Jane.



What the view should be Image Fabrizio Conti



The Sunday Times
Rachel Millard
13.01.2019

Interview: Francis Egan, boss of controversial shale gas explorer Cuadrilla

Just say if you don't want us fracking

Hi Mr Egan, we don't want you fracking.

Just saying



Food and Water Watch

It Turns Out Fracking Is A Water Hog That's Stealing Our Futures

<https://www.foodandwaterwatch.org/news/it-turns-out-fracking-water-hog-thats-stealing-our-futures>

A team of Duke University researchers are delivering a truth that's hard to swallow — fracking is resulting in the disappearance of usable water. Will the people listen and do something in time?



Photo by [Terry Vlisidis](#) on [Unsplash](#)
BBC NEWS

Climate change: Warming gas concentrations at new record high

By Matt McGrath Environment correspondent 22 November 2018

BBC NEWS

Climate change: Huge costs of warming impacts in 2018

By Matt McGrath Environment correspondent 27 December 2018

- **Extreme weather events linked to climate change cost thousands of lives and caused huge damage throughout the world in 2018, say Christian Aid.**
-
- **The charity's report identified ten events that cost more than \$1bn each, with four costing more than \$7bn each.**
- **Scientists have shown that the chances of heat waves in Europe were influenced directly by human-related warming.**

Almost every Natural Disaster horror film starts the same way.

The Powers That Be WILL NOT LISTEN To The Scientists

‘When you talk you are only repeating what you already know,

**But if you listen you might learn something’
Dalai Lama**

Union Of Concerned Scientists

<https://www.ucsusa.org/clean-energy/coal-and-other-fossil-fuels/hidden-cost-of-fossils#.XDjrk1z7TIU>

Oil and gas drilling

The environmental and health costs of onshore and offshore oil and gas drilling are also significant, and often unseen. The impacts of unconventional extraction methods, such as natural gas hydraulic fracturing (**commonly called fracking**) have received much attention, but all methods of oil and gas extraction carry hidden costs.

Water impact

When oil and gas are extracted, water that had been trapped in the geologic formation is brought to the surface. This “produced water” can carry with it naturally-occurring dissolved solids, heavy metals, hydrocarbons, and radioactive materials in concentrations that make it unsuitable for human consumption and difficult to dispose of safely [9].

When **hydraulic fracturing** methods are used, the total amount of waste water is amplified by the large volume of water and chemicals involved in the process. Drilling and fracking shale gas formations (like the Marcellus Shale) typically requires **3 to 6 million gallons of water per well, and an additional 15,000-60,000 gallons of chemicals**, many of which are undisclosed to Federal regulators [10, 11]. One government-sponsored report found that, from 2005 to 2009, **14 oil and gas companies used 780 million gallons of hydraulic fracturing products containing 750 chemicals and other components [12]. Another study identified 632 chemicals contained in fracking products used in shale gas extraction.**

Researchers could track only 353 chemicals from that larger list and found that **25 percent of those chemicals cause cancer** or other mutations, and about half could severely damage neurological, cardiovascular, endocrine, and immune systems [13]

Global warming emissions

Natural gas’s climate emissions are not only generated when it’s burned as a fuel at power plants or in our homes. **The full global warming impact of natural gas also includes methane emissions from drilling wells and pipeline transportation.**

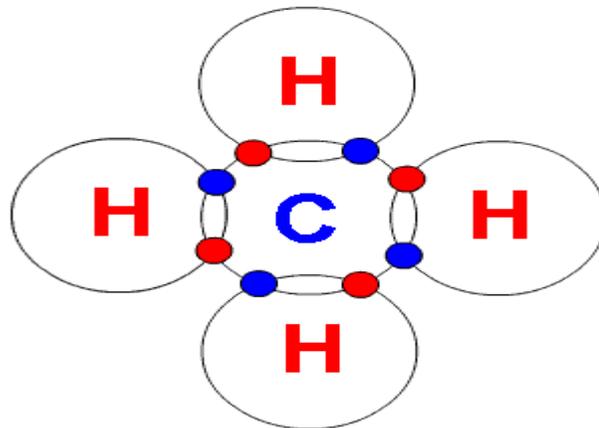
Methane, the main component of natural gas, is a much more potent greenhouse gas than carbon dioxide—**some 34 times more effective at trapping heat over a 100-year timescale and 86 times more effective over a 20-year timescale [16]**. Preliminary studies and field measurements show that these so-called “fugitive” emissions range from 1 to 9 percent of total natural gas lifecycle emissions.

Natural gas

Natural gas is transported over long distances by transmission pipelines, while distribution pipelines deliver gas locally to homes and businesses. But natural gas is also highly flammable, making the process of transporting it from wellhead to homes and businesses dangerous. Between 2008 and 2015, there were **5,065 significant safety incidents related to natural gas pipeline transmission and distribution, leading to 108 fatalities and 531 injuries** [24].

In addition to safety concerns, natural gas leaks from transmission and distribution pipelines are a significant source of methane emissions. A recent study, which mapped urban pipeline leaks in Boston, **found 3,356 separate leaks under the city streets**. The study noted that Boston is not unique; other cities, like New York and Washington DC, have aging natural gas distribution infrastructures, and similar methane leaks are likely widespread [25].

Large leaks from natural gas infrastructure also occur. Beginning in 2015, the Southern California Gas Company's Aliso Canyon natural gas storage facility was the site of the **largest methane leak in US history, with a total of 94,500 tons of methane released between October 23, 2015 and February 11, 2016** [26, 27].



Methane

Drill or Drop? <https://drillordrop.com/2018/12/20/councils-can-use-climate-change-evidence-to-reject-fracking-government-lawyer-tells-high-court/>

Councils can use climate change evidence to reject fracking, government lawyer tells High Court

BY [RUTH HAYHURST](#) ON [DECEMBER 20, 2018](#)

English local councils can reject national policy on fracking if they have evidence that the process contributes to climate change, a government barrister conceded today.

The admission came in the closing session of a three-day challenge at the Royal Courts of Justice to the government's blueprint for planning, the National Planning Policy Framework (NPPF).

The campaign group, Talk Fracking had argued that the government acted unlawfully in incorporating support for shale gas into a revised version of the NPPF, published in July.

Talk Fracking said the policy, originally in a 2015 Written Ministerial Statement, was based on outdated science on the level and potency of greenhouse gas emissions from fracking sites.

The group said new scientific developments cast doubts on the government's case that onshore shale gas had a lower carbon footprint than imported liquid natural gas.

Talk Fracking's case centred on paragraph 209a in the NPPF which said local authorities should develop policies to facilitate onshore oil and gas exploration and extraction and recognise their benefits in supporting a transition to a low-carbon economy.

Defending the local government secretary, Rupert Warren QC said:

"Paragraph 209a does not prevent any additional evidence being taken into account by mineral planning authorities."

The judge, Mr Justice Dove, asked:

"Is it your position that it has been for the plan-making authority to say 'because I have examined evidence that undermines the government's case for shale gas I am not including shale gas extraction in my local plan?'"

"Yes", Mr Warren replied.

Drill or Drop? <https://drillordrop.com/2018/12/19/government-ignored-new-evidence-on-climate-impacts-of-fracking-court-told/>

Government ignored new evidence on climate impacts of fracking – court told

BY [RUTH HAYHURST](#) ON [DECEMBER 19, 2018](#)

The government ignored new science on the climate change impact of shale gas sites when it revised planning policy on fracking, the High Court in London heard today.

The campaign group, Talk Fracking, said a public consultation failed to take into account key new evidence on the effect of methane emissions from shale gas sites.

According to the group, civil servants said **the evidence was too difficult to assess and they didn't need to consider it.**

Financial Times

Equities

AJ Lucas Group Ltd

AJL:ASX

Actions

IndustrialsConstruction & Materials

- PRICE (AUD) **0.20**
- TODAY'S CHANGE **-0.015 / -6.98%**
- SHARES TRADED **290.13k**
- 1 YEAR CHANGE **-42.55%**
- [BETA](#) **-0.3823**

Data delayed at least 20 minutes, as of Jan 11 2019 04:34 GMT.

1 Year Change – 42.55%

Diminished case for UK fracking after shaky start, says Fitch - News for the Oil and Gas Sector

Energy Voice

<https://www.energyvoice.com/oilandgas/189455/diminished-case-for-uk-fracking-after-shaky-start-says-fitch/>

Since operations restarted in October, Cuadrilla has had to pause activity a number of times following tremors at its Preston New Road site in Lancashire, North East England. Since October 15 – when hydraulic fracturing restarted following a seven year hiatus in the UK, the company has been forced to halt activity several times as seismic activity in the vicinity exceeded regulatory guidelines.

<https://www.nbcmiami.com/news/local/Oil-Gas-Drilling-Method-Fracking-Faces-Ban-Under-Proposed-Florida-Bill-504225881>

Oil, Gas Drilling Method 'Fracking' Faces Ban Under Proposed Florida Bill

Fracking has long been criticized by environmental organizations

By [Andrew V. Pestano](#)

The drilling procedure commonly known as "fracking" could be banned in Florida under a proposed bill.

The general bill was filed Thursday by Republican Rep. Heather Fitzenhagen, who represents Fort Myers. The measure is supported by Republican Florida Gov. Ron DeSantis, who was inaugurated on Tuesday.

The practice of fracking has long been criticized by environmental activists as a dangerous method to extract fossil fuels. Organizations warn of the release of toxic chemicals possibly poisoning the land and groundwater. Fracking has been linked to generating tremors and earthquakes, as well.

House Bill 239 would ban "advanced well stimulation treatment" – meaning all methods of injecting fluids into a rock formation.



David Attenborough

“Leaders of the world, you must lead”

“The continuation of our civilisations and the natural world upon which we depend, is in your hands”

