



To: Department of Environment, Climate and Communications,,
29 -m 31 Adelalde Road, Dublin 2, Publication is consented to.

Regarding: Submission on the topic of Renewable Heat, last day 21st
October, 2021- From  of the above address.

Illegality.

Article 3(2) of Directive 2001/42/EC is very clear and requires that all public plans or programmes be assessed with public participation under the Directive. The Aarhus convention is an international agreement which underpins the Directive. The EU and Irish government belligerently refuse to comply with it in regard to their public plans and programmes for renewable energy. As the Irish spokesperson for the European Platform Against Wind Farms I with others have been trying to get the provision enforced. At a meeting of the Compliance Committee of the Aarhus Convention in Montenegro we won a concession which allows access to the European Court of Justice by a group with 4,000 signatures. It is a struggle which is played out in other parts of the EU and this type of law breaking was a factor in the British vote for Brexit. There is currently an obsession for renewable energy based on a mass media hysteria similar to the religious hysteria in Ireland in the 1930's.

Human settlement in Ireland.

Human habitation is only in Ireland for about 8,000 years. This is short compared to America where there is evidence of camp fires back 22,000 years. The months of May through to October are mild with heat only required for cooking for survival. From November to May it is dark most of the time and indoor living is essential for survival, rest and craft activities. Fires using fuel are essential. It was impossible for people to get by without wooden mud or masonry houses with chimneys long ago. There was no electricity back then, but today the need for electricity is so much adopted that if there is none, people will generate their own or face hardship. Until 2020, the task of providing electricity was left to the state which delegated the task to Eirgrid, a semi state body over which there is virtually no democratic or government control.

The dawn of the Irish state in 1922.

In 1927 the Electricity Act was enacted to give sole control for generation of electricity to the ESB (the state). It banned the numerous small town generating stations with no compensation. This worked very well until trade union monopolistic power crippled the continuity of supply. Breaking up and de-regulation was seen as a necessity to break union power. It was a double edged sword because electricity prices have skyrocketed since.

The standard requirement for a national grid system was a three phase incremental voltage A/C system @ 50 Hertz with a tolerance of one Hertz or 5 Hertz either side.

In the light of climate hysteria and the volatility of fossil fuel supply, the wisdom of a mains electricity supply at 50 cycles a second, 60 seconds per minute and 60 minute per hour for all 8760 hours in a year is questionable. It is said that it is a strict requirement for an industrial economy like Ireland. I pointed this out in meetings with ministers. Politicians in the state and at the Northern Ireland Executive Energy Department that wind and solar generated electricity can never comprise 100% of the power supply. I was laughed at. Years ago engineers were in control and they shunned renewables as incompatible with the grid system. Governments got round this by removing expertise from the plans and appointing yes men non - experts. In failing to ensure that expertise in all plans by the government are soundly based on the opinion of graduates from good universities the Irish State has failed in the objectives of its founders.

Government by a green minority backed by cowardly members of other political parties.

The Irish Greens hold 12 members of the Dail and hold the energy portfolio with Minister Eamon Ryan in charge. He holds a commerce degree and was a bicycle salesman. He knows his renewable plans are unworkable, but he also knows that some voters believe it will work. One way or another, we are stuck with a well advanced wind energy programme and an emerging solar energy programme.

Most of the benefits of the plan were based on lies with engineers and critics kept out of any debate. Greta Thunberg, a 16 year old school dropout became advisor to many governments.

There is a claim that the temperature in Ireland within drilling distance as recommended is 26 degrees at all times. This is a lie. In winter the average temperature is 7.6 degrees centigrade and it is about 3 degrees higher in summer. It is rain water which moves underground and if it were 26 degrees C it would warm up. It does not. The temperature of boulder clay down to the farthest depth my excavator will reach (about 7 meters) is the same at one meter down as 7 meters down.

Another system is to not use deep buried pipes and use electricity to increase the temperature of the inside home. These have a fan outside.

A common feature of all these systems is that installation companies will not install them unless the insulation of the building is the best available. The reality is that such insulation would make any home warmer irrespective of the heating system. These systems use electricity only. It is not possible to use a fridge in reverse to raise the temperature. The appliance is a cover for simple electric heating. No one ever carried a test to examine this.

Chimneys.

I have often placed my hand over a chimney top when a fire was lit below. It is hot enough to fry an egg on a frying pan placed on it. This heat could easily be intercepted by inserting heat exchangers in chimneys to heat water which could heat the rooms. I do not know how successful it could be, but it is worthy of testing.

Cowboy companies and entrepreneurs do not want tests, they want intuitive spending where they can make money whether or not the installation works.

Summary and my objective.

When the cumulative intentions of the government are viewed objectively, it is obvious that the Eirgrid or the government do not understand anything about electricity. It cannot be put in a bag like coal. The plan is to change every use of energy over to electricity. All the petrol, diesel, coal and turf/peat sources of fuel will be transferred over to the electric grid. This means the electric grid generators on a calm dull day will have to power all the cars and vans uphill and downhill for millions of kilometers a week. It will have to heat every home, run all the factories still left, provide lighting and data centre usage and power the (parasitic power) for wind and solar farms. When the wind does blow, which is only 20% to 30% at best, the delicate blades of steam turbines will break off and there will be rationing of electricity.

meeting by Irish Rural Link earlier in 2021 about the billions of public money they intend spending rolling out their various schemes. Some of these are very threatening to the environment. Yet they cannot guarantee to keep the lights on. We are being advised to switch to electricity for everything including home heating and transport at a time when periodic disruption of the electricity supply is imminent for the next several years. This defies logic and is a form of corruption.

Large Scale electricity users are regularly being contacted to tell them to stop work and those with diesel generators are being asked to supply the grid at certain times.

Price increases.

Eirgrid's smart Dashboard recorded recently that the wholesale price of electricity went up to 4,600 Euros per MWh at one point. Generators are giving no free lunches. Traditionally it was between 54 and 125 Euros. As I write this it is at 207 Euros with the max price today being 251. It was 1007 at one point last week. This can be converted approximately to household prices per KWh (units) by dividing by 10 and adding 19 to get a total all in price on the bills.

Prices are due to increase as I predicted and already have. This will cause hardship and hopefully cause voters to rethink, but the sneering way the ESB sees it is shown when they advise people in arrears distress to ask the St. Vincent De Paul society to pay them. Essentially the ESB expects contributors to the society to be generous towards the ESB.

Electric cars.

I have it from a person who found the car charging point not working that the ESB advised her to have it towed home. If EV's are towed, they are damaged beyond repair. This is the callous attitude of a semi state body.

Pumped heating systems.

These vary in types, but one famous type is to bury conduction pipes as far underground as is possible and pump water in a circular motion to take the higher temperature water up to heat the building using electricity. This claim is based on fraud. I am a farmer and have a large excavator. I have dug deep and I have taken temperature readings from spring water coming from the foothills of mountains to discover what the temperature is..

as to reduce the penetration of wind. Ordinary diesel engine generators are better able to cope with this pounding and are being used more and more by Eirgrid [A Rare Look Inside a Power Plant's Giant Steam Turbine - Bing video](#) and [Essentials of Steam Turbine Design and Analysis | AIChE](#)

Electricity companies lie with approval of regulators.

Some suppliers including SEE advertise they provide 100% renewable electricity. I made a complaint to the Advertising Standards Authority which rejected it. They say they are producing 100% renewable electricity. This is impossible because at least 40% of the grid system must be fossil fuel synchronous power. Most of the claims made about wind energy were false.

The fossil supply gets jolted.

Without anyone predicting it in September 2021 the price of gas went up as there was a global return to industrial production post the Covid 19 lockdown. Europe refused to stockpile gas in its vast storage facilities in the belief that it could turn away from fuel altogether. Government believed the lies of the green eco warriors whose hidden motive was to drive societies back to the horse and cart.

Russia had offered Europe gas contracts at a slightly increased price but they refused saying they would buy on the spot market. My understanding is that the price of gas in Europe was about 32 Euros for a British Thermal Unit in September 2020 and rose to 163 Euros in September 2021. Not only is that the case, but Eirgrid's Smart Dashboard suggests these last two months that gas is rationed to 54% of the grid generation down from 65% earlier in 2021. Experts warn that gas prices will stay high and I notice that it appears Eirgrid are switching to oil which can be used in place of gas interchangeably. Very soon the price of all fossil fuel will rise causing hardship and inflation. If the greens believe society can transition from fossil fuel now is the time to prove it. They cannot of course.

The reality of impending blackouts.

Eirgrid defended a Judicial Review by me in 2017 in the High Court by bragging about all their extensive plans to switch to renewables. The bragged on a remote

Reality takes hold.

The public were never told the fact that no more than 60% of non synchronous power can be allowed into the national grid at any one time. This is a scientific fact. It is not known how much non synchronous power can be allowed into the grid but it appears that up to 25% is a good guess. Somewhere between 25% and 60% the erratic nature of the wind energy is transmitted to the grid where it impacts the condensing steam fuel turbines of single stage steam or combined cycle generators. One MW is equal in torque of ten large lorry engines. Average demand of 4,000 MWs is equal to the torque of 400,000 of these engines. These are designed to run continuously with a minimum of ramping up and down. Usually this would be confined to twice a day for balancing plants and twice a year for base load plant. When there is good wind speeds there are regular changes to the power from wind farms and this transfers torque by time equal to that of 50,000 large lorry diesel engines to the extreme precision make and delicate blades about the circumference of these steam turbines. Wind also causes damage to transformers and to peripheral appliances components of the grid.

An example is that Huntstown generation station down for a long time with a new Transformers are being made in China. It is true that Covid -19 is delaying manufacture of a replacement, but the question must be asked why it could not be sourced elsewhere. Whitegate steam turbines were destroyed by the impact of wind energy on the blades. It must be out 10 months now with no repair in sight. It is likely Ireland has to join the queue as these breakdowns are happening everywhere with a renewable green grid installed.

Lies are being told to fool the public with the connivance of most media outlets. One such lie is being told in regard to Whitegate. The reason Whitegate is down is because of the impact of wind energy. The repair is taking longer than normal and Covid - 19 is blamed for making it more difficult to get it repaired. The repair will be terribly expensive. The root cause of the damage is wind energy. The reader here should view the various videos about repair of turbines.

The Commissioner for Energy Utilities admitted in a report to the government recently that renewable energy causes damage to the fossil fuel steam generators. This proves I was always correct in warning about this. As the amount of wind energy in the system increases, the battering taken by the steam turbine blades worsens. The rotors and stators can be up to 4 meters diameter and are separated by only .04 mm. There is no escaping this and a cold windy winter for 2021/2021 with Whitegate still out could cause the rest of the steam turbines to be forced out of action leaving no power except for diesel generators. On good windy days, the only way to prevent this problem is to pay wind companies to turn off wind farms so

My reasoning is that I am angry at the lack of compliance with the law and I hope to see justice visited on the culprits at some time in the future. I do not think it is possible to persuade you people that you got it wrong until the suffering comes and voters are without power and deaths are caused due to lack of public energy and the withholding of people's ability to provide for themselves.

Diesel generators are selling very well, they are being used to charge electric vehicles too. As they occupy more and more of demand, the remaining customers of the grid will be forced to pay more and more. We could see a time when a noncontributory old age pensioner living alone with electricity heating and cooking will have to spend 70% and more of his income to pay the electricity bill.

You have created an outrageous mess despite the warning from me and now you can deal with it. Good luck with that, you will need it.

Yours faithfully

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