

**Subject:** FW: Te Rere Hau Windfarm - Correspondence from Bill Harding

**From:** Bill Harding [<mailto:billdirtyenergy@xtra.co.nz>]

**Sent:** Friday, 15 September 2017 8:08 a.m.

**To:** Carly Chang

**Subject:** Post Submitter Review

## Post Technical Submitter Review and Thank You

Dear Carly,

I wish to thank you for the Help and Guidance you gave me. Your attention to detail and your Professional Aplomb is a credit to you. PNCC is fortunate to have your Presence and Services. Good Luck in the Future.

I would like you to pass on these comments to the Three Commissioners, Please.

- 1 The Conduct of the Hearing was Exemplary, the Subject matter of Noise Tonal Amplitude and Levels has always and will be a Problematic Subject to solve.
- 2 As a past South Waikato Test Commissioning Systems Engineer within the NZED and Electro-Corp Eras, I faced similar situations, all of which ended up in Compromises that never ever satisfied the Opponents either way.
- 3 Such as the Challenges that will have to be Faced to give a sense of Parity and Satisfaction to all.
- 4 In my case I travelled down from Taupo in my Motor Home, and avoided a Catastrophic Happening when my Brakes Failed, which ended up as a \$1025.00 costing to

Repair in PN. Unfortunately, it did not end there, as my speaking Time was Curtailed From 30 Minutes to ten Minute to an Actual 6 Minutes, of actual Verbal only Time Presentation Span Period. At that point, I did wonder who was actually in control of the Meeting Time Slots you or TRH. As I lost my Impact of a Controlled Presentation.

5 After travelling a round trip time and Petrol Costs and Distances of 930 Kilometres, over 5 Days was not over rewarding. Off-course, it didn't help that my hearing Abilities, which did not Help with your Proceedings Direction Questions when I had to get Mr Poff to my Right side to repeat to me. **I really stuffed it up big time. Sorry.**

6 I then realised that this actually was meant to happen, for having been seated between these two passionate Submitters gave me Audible Clarity to listen to their Presentations which was very Concise and Clear from each of them, who Fulfilled their 20 Minutes of allotted Time with very Passion and Pragmatic Points of view.

7 On one side, the waste of Ratepayers Money was important, but the Wind Noises was not a Problem. As he was at a different Elevated level.

8 Whilst, on the other side the Quality and Depravity of their Idyllic Lifestyle was Shattered along with Constant Variable Noise Fluctuations that was making Life Unbearable both Physically and Mentally from a very learned Doctor.

- 9 Any TRH Curtailment Strategies is Fraught with Economic Frailties of both Operation and Intent, which I point out will always be there in the Background until there is complete Stoppages of the Wind Turbine Culprits.
- 10 On that point, I have spent a total of 140 Days travelling the World, specifically checking out my Passion against all Modes of ASYNCHRONOUS FORMS OF GENERATION of which Wind Farms are the Main Culprits.
- 11 The one that moved my Compassion and Empathy, was inspecting a Scottish Black-house Crofters Cottage, that had a Frail 60 Year Old Lady Mrs Harris living on her own in it.
- 12 She was the 6<sup>th</sup> Generation that had lived in this very Quaint dwelling, and had fond memories of Bringing up Family and looking after the Oldies, and had over 80 Family Member Cemetery in the Next Paddock the Oldest Headstone was dated 1690.
- 13 As a Standard Crofter One and a Half Storey dwelling, all Windows faced a Beautiful Scene showing a Locke in the Distance.
- 14 But from her Front Door I paced 85 Steps to the Base of a 120 Metre High Three Bladed Wind Turbine across a main road in an Adjoining Property also owned by her Landlord, who had it leased to the Danish Dong Wind Farm Owner on a Twenty Year Contract. There is no Separation Law.

- 15 Her view was completely Blocked as the Base was 4.5 Metres Wide along with a Tripod of Stay Wires in Concrete Foundations.
- 16 This was part of a Wind Complex that had 220 Wind Turbines. Her only Curtailment Request was to never start it up after a Freezing night when a Northerly Wind was present, as the Yawl Direction was in-line with her House, which got splattered with large chunks of ice, which she said some of them landed over 200 Metres behind her house.
- We all commented that's a real Health and Safety Issue, that should have been solved within the Permit. Whilst we were there the Unit Operated a Yawl about 20 Degrees, and the Sound was like screeching metal that needed Lubrication.
- We could see three that had twisted Blades jammed against the Mast, that had been like that for over Four Years, and Two with only one Blade. She said they won't get fixed until there is eight to warrant a crane to be hired from 200 Km away.
- 17 She told our little Tour Party that the WF Owner paid for Double Reflective Glazing and Vertical hung Venetian Blinds. They also upgraded and changed her Wiring Fittings with Modern units, and then Fitted the Latest Smart Meters in at No Cost to her.
- 18 But she was concerned that since they have been put in, her Power Account had almost Doubled. When she Queried the Amount she was told that, her Old Analogue Meters did not Measure the past Power Usage

Accurately so you have been very Lucky in the Past. We explained that all Smart Meters are Designed to sense the Extra Harmonics that the Wind Turbine Produced that will accumulate onto your Final Amount. She said that she was too old to worry about that now and just wants Peace.

- 19 This was like a red rag to a Bull to me and My Party of Engineers, as this was the classical “Good Neighbour” PRO action to Placate the Concerned.
- 20 When we perused her Power Bill, she had a reoccurring Debt Penalty Payment, which we split 5 Ways through the Tour Companies Charges that was cleared onto our Account.
- 21 She told us none of her Immediate family has had any desire to live like her with Dark Glasses on all the Time and Cotton-wool stuck in their ears 24/7/365
- 22 When she related the next part, not one of our Party had Dry Eyes afterwards.
- 23 Being now the Last of the Dynasty Crofter’s Perpetual Leaseholder Surviving Family Member, under Section 43 Of the 1215 Magna Carta Charter Laws of Freemen so that when she Leaves or Dies.
- 24 The Landlord who now apparently lives in the USA has the Lawful Rights to Bulldoze and flatten this very Historic Family Building down.
- 25 For the Next 3 Years we Contributed to her Power Account via the Local Tour Company who also assisted as Give a Little, as she had Supplied Hot Scones with

Strawberry and Cream to Supplement her Income with the Tour Operator.

- 26 They have since informed our Scottish Hosts the Lady Died and there is now no indication that a Crofters home was ever there.
- 27 If the Wind Turbine had not been installed right in front of this Home I daresay the Family by lawful Rights would have been still there within Their Rights of Perpetuity. A comment was made perhaps that was deliberately done.
- 28 This situation will be ever expanded to Encompass on going Sadness and Disputes between Friends and Neighbour's, as the rush to increase Penetration of Asynchronous Generation Via Wind Farms. Recently Four, Indian Protesting farmers were beaten to death. The Australian town of Wauba has had some very bitter engagements to the point that 30% of Residents just up and Left because of the Wind Farm Intrusions, and loss of Property value.
- 29 The Question I asked for the Panel to confirm as to whether TRH ever had 50 Hz Bandpass Filters fitted to their Revenue Metering, has been cleared up when on my way home I visited one of my old Testing Commissioning Employees who had purchased one of the old NZED homes at the Bunnythorpe Substation. To his Knowledge no Meters have been Modified for fitting 50 Hz Filters. Which confirms that TRH have never

legally supplied 50Hz Energy as per my Submission Statement.

- 30 **This is something very Important, for you to all to ponder on,** TRH and Jamie Wallace along with their Supplementary Statement Issued late in the Proceedings on Wednesday afternoon, did not attack my Main Point at the Bottom of my Original Submission on Page10 asking for a Validity of Proof, which, if it had been answered by giving the Commission the Assurance and Proof in the Affirmative, would have put a very large whole in my Argument, but it was plain to see that there was not even one Mention or Validation Documented Proof that the Invoiced Costings of Export Power in Gigawatts Supplied into the System was Confirmed by a Revenue Meter that had these Important 50 Hz Filters Fitted.
- 31 **There was Ample time to give the Commission the proof they would have needed to Dismiss my Technical Submission, as being then Totally Irrelevant, but they Did Not Produce anything to Validate. Which if it was supplied would have been a total Victory for the NZ Wind Farm Association Power Companies Membership as Proof that they are Bona Fide suppliers of Cheap and Green Power that our Country Needs but also what the World Needs.**
- 32 **They have also lost the opportunity to impress the Government to give Credence that they are well on the way to fill the Kyoto Protocols of Carbon Reduction Programme via the Emission Trading Schemes.**

- 33 **Likewise, the Financial Backers and Investors would have been given Assurance of the Continuance of a Fruitful Secured Outcome for many years ahead.**
- 34 **And it would have given the Environmentalists the proof they needed to confirm, “we told you so”.**
- 35 **But TRH lost this chance of Free Promotion, because of the Slippery Slope which they Operate from is getting Steeper and Steeper to Maintain Credibility.**
- 36 **On that Basis, I rest my Case against TRH for not Supplying any Proof to the Commission Members.**
- 37 Which also now Confirms why Transpower NZ Ltd, the Commerce Commission, the Electricity Authority and my Complaint 190054 from the Serious Fraud Office, which should be checked up upon, will be kept Compliant with the O.I.A. Requirement and not to be allowed to ever expose the Public of any Transparency to the TRUTH.
- 38 And this is a worry, and will inhibit the Exposure of the Extent of Fraudulent Operation, right across the Energy Field in NZ.
- 39 When Jamie Wallace slated my “assumption of Asynchronous Generation at TRH, as I have personally never been able or had that confirmed Engineering wise, but I respectfully suggest that your Commission party view the Ashurst Viewing Platform during your Lunch Break, where it Clearly state’s in written Form that you are observing ASYNCHRONOUS GENERATION WORKING.
- 40 Your duty has been underlined, which is to hear the Proffered Evidence, then sort out the Chaff from the

Hay, Lies and Truths, within a variable Floating Belief System, that have many very Grey Boundaries to Determine within the Complexity of the Noise Problem. Sadly, I offer this Observation, that this year and all ensuing years will not remove the Problem, as it will always be there well after you and I have left this World.

41 At my age of Eighty, and with a 40 Year Lifetime of Studying the effects of “Asynchronous Production of Positive, Negative and Zero Harmonic Unbalanced Sequenced Currents to Earth in Loam and Pumice Lands” Which I was sponsored by Valmet International to present at Hanover, Germany, London ,Toronto still develops my Passion in Knowing that the last 30 Years of Installing Wind Farms as the answer to Global Warming is systematically reducing the Quality of our well Designed 50/60 Hz Synchronous Stable Generation System , by being replaced by ever increasing Unstable Dirty Forms of Energy that will lead to Country Wide Blackouts like that has happened in South Australia.

42 Your Team’s Conclusions and Recommendation will influence the Direction and Pathways that all of NZ Wind Farm’s future deliberations and Curtailments will be based on, and within Fractional Noise Annoyance Levels. This is also a World Debateable Problem.

43 I would like to think you have embraced my Specific Technical Concerns and Values of Improving the World Energy Problems by instructing that the **Palmerston North City Council to Revoke the TRH Ltd Permission to**

**operate their Wind Farm and Full fill their Obligation of having them Removed.**

- 44 Dear Kym, Paul and Gina, I do not envy your task, but if this Ultimate action is pursued to a Rightful and Exacting Conclusion, please take heart that the World is a Changing Environment, and that you are not Denying the Local Consumers from not being able to use this Dirty Power, as the Last Thirty Years Experiment of the penetration of Wind Farms and Their Subsidies Handouts cannot be Sustained by the Taxpayer for something that has no Intrinsic Lawful Value What so ever.
- 45 All is not lost, as there is another OPTION, with the use of the Power of the Wind. The more enduring and Costly option is for Every Country to face Reality and to utilise their Waterways and Seaways, to have Designed Stainless Steel Water Pump Systems to fill nearby Lakes or Reservoirs to feed and Operate a Hydro Station that has **only “Just” SYNCHRONOUS ALTERNATORS THAT OPERATE AT 50 OR 60 Hz.** Frequencies. In other word’s a Pump Storage System which will be more acceptable and compatible for many Generations of Future Happy Consumers. There are a Few in Service of a Low Output Calibre as I understand in China.
- 46 Times are changing and if you do what is Right, your Three Names will go down in the Annals of World History, who had the Strength and Fortrightness to make some Hard Decisions that changed the Worlds Energy Direction to Forcible Introduce another

Worthwhile and Sustainable Platform of Utilising the  
Power of the Wind for Electric Energy Use over the Next  
Hundreds of Years.

Yours

With the Best of Luck

Bill Harding

## Merle Lavin

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**Subject:** FW: Te Rere Hau Windfarm Correspondence from Bill Harding

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**From:** Carly Chang  
**Sent:** Tuesday, 19 September 2017 11:36 a.m.  
**Subject:** Te Rere Hau Windfarm Correspondence from Bill Harding

Good morning,

Please find below correspondence from Bill Harding in relation to the Te Rere Hau Windfarm hearing.

Thanks

**CARLY CHANG** | Committee Administrator

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**From:** Bill Harding [<mailto:billdirtyenergy@xtra.co.nz>]  
**Sent:** Sunday, 17 September 2017 10:02 a.m.  
**To:** Carly Chang  
**Subject:** Post Submitter thoughts

Dear Carly,

This will be my last contact with you and the Commission Members.

I am Assuming that they will Recommend the PNCC to revoke TRH License.

Post Commission Ruling Result Thoughts that they may find interesting.

There is no need to celebrate over this PNCC Ruling even though it will be the Precedence for change around the World, when every country will realise the Depth of Fraud and Operation that have involved with Selling and Advertising a

Harmonic Product that has no Intrinsic Value whatsoever to the Consumer.

1 The Physical Intrusion and Acoustic Intrusions that has been played out within many people's lives, their Communities, and within Families can never be truly Compensated for.

2 My Job of getting this far after 40 Years is only a Third done.

This is the Second Part

3 There needs to be a High Court Judicial Review on how the NZ Energy System has been Implemented as a Deregulated Entity that has never and will never give a true Value for a Unit of Electricity by being Run on a Distorted Grid Operation by Transpower NZ Ltd, and Blackmail threats from Privately Owned Company or SOE's that has Dictated all the Changes for Financial Gain within the Functions of higher Share Portfolios Rewards.

4 There needs to be a Country Wide Class Action with Recompense to all 10 Year Loyal Consumers who have had Smart Meter Upgrade Replacement Forced upon them.

5 This this Recompensed Value should be based on the Average T.H.D. Value of 20% Tested across the Country, being the Total Invoiced Amount Accrued over the last 10 Year Period.

The Third Part

6 I wrote personally to every one of the 120 NZ Pollies in Govt. Not one Acknowledged my request to have every Smart Meter Returned to have Sealed 50 HZ plus and Minus 0.2% Accurate Bandpass Actively Fitted to all Current Power and Voltage Sensing Parts of the Meters.

This would have then assured that all Consumers in NZ would be Paying for only the 50 Hz Load Power they were Contracted to Purchase.

There should be no offer or Acceptance of doing a Software Change Update of the 50Hz Bandwidth as these can then be Reprogrammed at a later Convenient Date.

7 What was a shocker, not one enquired, as this would have exposed the Range of Corruption within the Government, and at the same time indicated their Constituents welfare and wellbeing was not of a Priority.

9 The whole Smart Grid and Smart Meter Rollout Programme Advertising Promotion and Instigation has nothing to do with the Betterment and Advancement of the Country or Consumer for giving any Financial Gain within its use or making the System to be Operated more Efficiently.

**It is simply there to Make Money for the Power Developer, Shareholder and the Government.**

Any Business Organisation around the World would welcome the Chance to make between 110% to 160% Government Approved Sanctions to produce a PROFIT on every Transaction every Second of the Day, and Off-course the Governments collection of VAT/GST Tax is an Illegal Assured Income stream that will not be Removed or Touched as that has been Enshrined within the Law Statutes for their own Making.

8 Within the Technical Formats of Questioning Transpower NZ Ltd, as to why they are Accepting, Accommodating the

Penetration at Great Cost to the NZ Taxpayer, this Dirty Harmonic Energy from the New Zealand Wind Energy Association Members by not only, “Allowing the Lawful Designed “Characteristics” of the System to be Modified and Changed” but also involved accepting an Inferior Unstable Non-Compliant Guarantees Act Product Option” which has Increased the Operational Risk Factors that is always lowering the Overall Quality towards an Unstable State of Operation.

But the Bigger Question was how could a very Highly Rated Professionally Controlled Electrical Engineering Organisation, get away with passing on these charges to the New Zealand Consumers, knowing that none of the end using Appliances was Designed or Manufactured to Operate On this Energy they were Passing and Distributing to the Network and Retailers was of a **useable Synchronised 50Hz Standard.**

The Smart Grid and Smart Meter rollout was all part of the Cartel of Generation’s Optimum Aim of Complete Control of Merchandising, Advertising and Manipulation of the Operation of the Grid System through Forward Contracts that then Increased Profit Margins at Expanding Rates.

For the past and present Governments to allow a 1000% Unit Subsidised Contract ( 3 cents/30cents) to be Issued to an Overseas Aluminium Company that produced 23% of the Total NZ Energy Requirement was clearly a Corrupt action against every NZ Consumer and Taxpayer who paid for the Manapouri Power Station to be Built.

9 Transpower NZ Ltd is not carrying Inducement Programmes to Operate the NZ Power System Efficiently.

10 NZ lies Geographically in a North South Orientation, that only can Accommodate a Half Time Zone of Daylight. This means that an Eight Hour Window is only available to carry out Productive Activities.

11 For all of the Energy Agencies including the Government that are involved to Promote Diversification, Competition and Energy Efficiencies is Ruthlessly Exploiting the Consumers Vulnerability to not realise that all the Produced Energy is activated at the Same time with the Same Costing Factors within the Same 12 Hour Period.

12 The Commerce Commission, Electricity Authority, M.B.I.E., Environment NZ, Emission Trading Scheme, Stock Exchange Members who within their Lawful Mandates have been part of the Largest, Widest, Conspiracy of Scam and Corruption that is being Currently played out against the New Zealand Consumer.

13 This is also Mirrored within every Country in the World more so. Where Wind Farms are Installed.

14 Trans Power NZ should be Operating the System on a Dynamic Demand System of Control and Operation of Controlling Peaks Discursions only.

It is an Inflationary Costing Model of creating 10 Month Forward Supply Contracts that get Over-Layered with Insurable Risk Factors being Factored in a very One Sided Preferential Highest Offered Auction Price that then gets also paid not only

to the Winners but also the Losers, and as such every Power Company is on a Win/Win Commercial Operation.

The Deregulated Market has been a Failure for the Consumers to get Cheaper Power as was Promised in the First Instance.

Bill Harding.

**Lee Huffman and Graham Devey, 428 Pahiatua Track, RD 1, Palmerston North**  
Review of existing resource consent conditions for Te Rere Hau Windfarm Under Section 128 of the Resource Management Act 1991

**To:**

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**Name of Submitter:** Lee Meryl Huffman and Graham Royce Devey

Contact Details

Lee M Huffman and Graham R Devey  
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Palmerston North, 4471  
Mobile phone: 06 027 55 95 007 (Lee)

**This is a submission on the review of:**

This is a submission on an application from Palmerston North City Council pursuant to s. 128 (1)(c) of the Resource Management Act 1991 reviewing the conditions of the resource consent for the windfarm known as Te Rere Hau and operated by New Zealand Windfarms Ltd at 355-573 North Range Road, Palmerston North.

The conditions are being reviewed with the purpose of better managing and monitoring noise emissions from Te Rere Hau Windfarm.

The reasons for the review is that there were material inaccuracies in the statement of acoustic performance of the wind turbines used for the Te Rere Hau windfarm resource consent applications.<sup>1</sup>

**My additional submission on 17 September 2017 is:**

**Additional information requested by the Commissioners on our recorded observations on Te Rere Hau Windfarm**

✓ I support the review

✓ My submission relates to the following specific parts of the review:

1.1 Our submission is related to the changes proposed by the PNCC:

1.1.1 Amendment to Condition 1 to clarify the general condition does not apply to noise emissions to wind turbine generators (WTG) and does not apply to noise emissions and effects identified in the Noise Impact Assessment report of Malcom Hunt & Associates attached to the Assessment of Environmental Effects.

1.1.2 Delete Conditions 4, 5, and 6 and replace them with a new suite of conditions 4-21.

Our submission supports the changes to the conditions in section 5.2, listed above, and in Schedule 1.

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<sup>1</sup> <http://www.pncc.govt.nz/yourcouncil/consultations/review-of-resource-consent-conditions-for-te-rere-hau-windfarm/> Review of resource consent conditions for Te Rere Hau windfarm. Downloaded 26 May 2017.

**Lee Huffman and Graham Devey, 428 Pahiatua Track, RD 1, Palmerston North**

Review of existing resource consent conditions for Te Rere Hau Windfarm Under Section 128 of the Resource Management Act 1991

I presented additional evidence on 14 September that was compiled after our initial evidence was presented on 13 September. This evidence of 14 September was particularly relevant since it was collected during the summertime period in 2013-2014, and represented by both the typical south-easterly and north-westerly winds. This was the first time we had been able to keep records of the windfarm noise compared to the wind speed that we measured at our home with the Digitech Weather Station (Model XC0348). These records supported our perception that when there was no wind or minimal wind at our home, we noticed more windfarm noises of whine, whoosh and roar. During this time period we also noted whether T103 and T104 was operating and if the wind turbines were running or not. We systematically recorded our observations in the morning (between 7 to 8 am) and in the evening (between 6 to 9 pm) each day between 28 December to 20 February. The subjective scale for windfarm noise logs was the same as we have followed for the Marshall Day monitoring previously. We also noted when we called in PNCC with high annoyance complaints compared to the noise records we had for low and medium annoyance but did not call the PNCC. We defined calm as minimal wind speed of less than or equal to 5 m/sec of at our home. We considered the wind speed of greater than 5m/sec to be windy. The records were then compared in a number of ways as noted in the table below.

Location Date Timing of Records	Huffman Devey Home, 428 Pahiatua Track, Palmerston North 28 Dec 2013 to 20 Feb 2014 Recordings made around 7 to 8 am and around 6 to 9 pm									
Data	Total Records 94 <sup>2</sup> , Overall, 37% records were for SE wind and 63% were for NW wind									
Wind Speed <sup>3</sup>	Calm = Wind Speed ≤ 5 m/sec						Windy = Wind Speed > 5m/sec			
% in Wind Speed	79%						21%			
Wind Direction	SE			NW			SE		NW	
% of records	97% of SE were in calm wind			68% of NW in calm wind			3% of SE was windy		32% of NW was windy	
% Annoyance	Annoyance = 57%*			Annoyance = 68%*			Annoyance = 0%		Annoyance = 0%	
% Call to PNCC	High Annoyance: Called In 11%			High Annoyance: Called in 5%			Called in 0%		Called in 0%	
Turbines on or off	T103 & T104 on	T103 &/or T104 off	All off	T103 & T104 on	T103 &/or T104 off	All off	T103 & T104 on	T103 &/or T104 off	T103 & T104 on	T103 &/or T104 off
%	33%	55%	12%	56%	32%	12%	100%	0%	100%	0%

\*Please note that we heard the turbines 57% of the time in calm winds at home, with annoyance (low, medium or high). We heard the turbines 68% of the time with NW winds when it was calm at our home. These figures are different from the 82% SE and 79% NW that I presented at the hearing as when we hear the turbines in calm conditions. I was calculating these records during the hearings and had tallied two of the cells for twice, resulting in the higher numbers. Unfortunately, I did not have time to recheck the values before presenting them at the hearing. This was the only error, which I regret. The conclusion remains – that we hear the turbines the majority of the time when the turbines are running with the wind is calm at our home and we only call a complaint with the PNCC when the annoyance is high.

<sup>2</sup> Data recorded according to Huffman-Devey noise log systematic classification from 2009 and 2011 logs for Marshall Day reports.

<sup>3</sup> Digitech Weather Station. Model XC0348.