

CARBON ZERO

Newsletter

From the WLASS energy managers

Well its back to business as they say, but lockdown under Covid-19 was certainly an experience for all of us. For many, we found ways of working that were still collaborative yet kinder to the planet and ourselves. Lets hope we can take some of these learnings forward. We attended the Carbon Energy Professional's Conference last week (online of course!) and heard from an array of overseas & NZ speakers that included Minister James Shaw (Climate Change), Minister Megan Woods (Energy & Resources). It is fair to say that there is a huge amount of government activity happening in the energy efficiency and climate change areas. In particular, June sees the passing into law the latest reforms of the Emissions Trading Scheme which includes an emissions budget for the next four years and price controls on NZ emission trading units to prevent them going too high or too low. You can read more about this [HERE](#). There is a lot of change coming our way and we may be surprised at just how quickly things happen.

Kind regards
Martin Lynch and Kevin McGrath

Latest Initiatives

- Demand management initiatives underway at Taupo 3Waters have the potential to save \$28k per annum
- Rotorua has gone out to tender for an LED street-light upgrade, a potential 50% energy saving
- Hamilton installed a hot water electric heat pump to replace an LPG fired boiler at the zoo
- A number of Councils took the opportunity over the Covid-19 lockdown to 'turn-down' plant and minimize energy costs

GHG Emission Activities

Fuel Data

- We would very much like to regularly report on fuel usage and emissions across our Council's. This will allow us to show Scope 1&2 GHG emissions for nine Councils as part of the proposed Quarterly Energy & Carbon Report—see [HERE](#). We are in the process of gathering fuel data for Rotorua, Waipa, South Waikato and Matamata Piako to complete the picture. If you can help with this, please contact us.

Corporate GHG Emission Inventory & CarbonZero Plan Status

Council	Corporate Inventory	Corporate Plan
Hamilton	FY19 completed and verified by Toitu	Draft Climate Action Plan reported to Council
Matamata-Piako	Under discussion	TBC
Rotorua	FY17 completed	TBC
South Waikato	TBC	TBC
Taupo	WLASS engaged to deliver inventory	WLASS engaged to deliver roadmap
Thames Coromandel	Underway	In progress
Waikato District	Complete	Initial 2030 roadmap developed
Waikato Regional	Complete with regular updates	Complete and approved by Councillors
Waipa	WLASS engaged to deliver	WLASS engaged to deliver

Benoit Lebot - Energy Efficiency for Net Zero

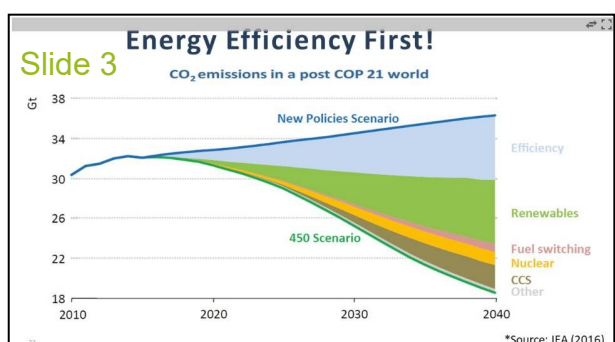
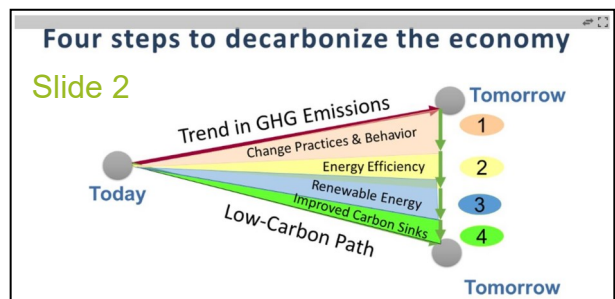
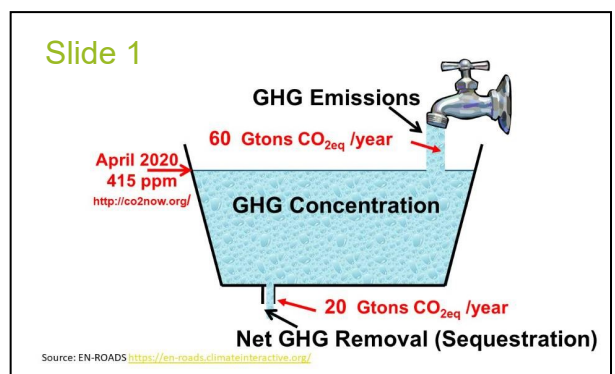
At our recent Carbon Energy Professionals Conference we heard from our key-note speaker Benoit Lebot - French Ministry for Energy Transition. Benoit discussed the important role energy efficiency must play as we transition to climate friendly energy sources. He brought us up to date on the global greenhouse gas (GHG) emissions situation and reminded us that energy efficiency is a domestic and universal fuel and should be the FIRST fuel to be considered for delivering greenhouse gas reductions.

To the right you can see a few of Benoit's slides that you may find useful.

Slide 1. The Intergovernmental Panel on Climate Change (IPCC) has determined that to stop at 1.5 degrees warming will mean holding concentrations of atmospheric CO2 to around 430ppm. Pre industrial levels were 280ppm. Current levels are at 415ppm and we are on a trajectory to exceed 1.5degrees by mid century if a rapid change in direction isn't taken.

Slide 2 & 3. Numerous studies have shown that energy efficiency combined with changes in practices and behaviour are immediate actions we can take with the lowest cost—and they make a significant impact.

We also recommend taking a look at this interactive website ([Click HERE](#)) It measures the impacts of various actions in altering the average global temperature compared to a business as usual scenario.



Useful Links

- MfE's March 2020 CFD Summary [HERE](#).
- MBiE Procurement, Reducing Emissions and Waste [HERE](#).
- Scenario Emissions Builder—Auckland Transport [HERE](#).
- WLASS Energy & Carbon Management Programme Update [HERE](#).

How can I found out more?

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