From: Linda Fichuk
To: Cody Vangel
Subject: Re: [External] I am against allowing crypto mining in Fort Frances
Date: Thursday, April 7, 2022 7:30:02 AM

Good morning Cody, I have made a couple of changes, I added item 2a) which estimates an approximate 3-15 million tons of global carbon emission - wasn't there a world summit not long ago to discuss AND REDUCE OUR CARBON FOOTPRINT and here Fort Frances wants to help increase it....I know it is only for the tax dollar and not the for the good of the residents/community /world.

Sent from my IPAD

On Apr 5, 2022, at 11:31 AM, Cody Vangel <cvangel@fortfrances.ca> wrote:

Received.

Thank you, Linda. I will include this in a future report to the Planning and Development Executive Committee, and the whole of Council.

Thank you,

Town of Fort Frances Logo

Cody Vangel
Transportation Superintendent

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From: Linda Fichuk <lfichuk@bell.net>
Sent: Tuesday, April 5, 2022 11:21 AM
To: Cody Vangel <cvangel@fortfrances.ca>
Subject: [External] I am against allowing crypto mining in Fort Frances

[EXTERNAL]

Good day, I wish to voice my concerns as well as ***100% against crypto mining*** being allowed to operate in the Town of Fort Frances.

BOTTOM LINE WE ARE SUPPOSE TO DO OUR PART TO REDUCE OUR CARBON FOOTPRINT, THE ENERGY USED IS HORRENDOUS CAUSING GREEN HOUSE GAS, POWER CORP MAY HAVE TO IMPORT ELECTRICITY AT A HIGHER COST TO US, THE NOISE BETWEEN 70-75 dB OVER A PROLONGED PERIOD OF TIME MAY DAMAGE HEARING- 24/7 IS PROLONGED TIME, LOSS OF SLEEP = DETRIMENTAL TO HEALTH PLUS NOW I AM EXTREMELY CRABBY, THIS IS DUE TO ONGOING POUNDING 24/7 OVER 70 dB, RESALE VALUE OF MY PROPERTY IS NOW UNSALEABLE,

The rest is where I found the information that I based my decision on.

1. I thought global warming was an issue, what happened to reduce our carbon foot print?

A REPORT BY NATURE CLIMATE CHANGE made an alarming statement that Bitcoin alone could produce enough CO2 emissions to push global warming above 2°C in less than three decades.

2 copied from psci.princeton.edu

Special computers used for mining Bitcoin are required to be high-powered enough to solve complex computational math problems. Here are some statistics about cryptomining's energy consumption:

- The share of electricity costs in all cryptomining costs is around 60 to 70 percent;
- Bitcoin accounts for 0.40% of the world's total electricity consumption;
- ****** The annual carbon footprint of Bitcoin is 34.76 megatons of CO2, comparable to that of Denmark or New Zealand;***
- Bitcoin's annual energy consumption has risen from 9.6 TWh (terawatt-hours) in February 2017 to 73.2 TWh in January 2020

2a. Copied from sis.Washington.edu

The Environmental Impact of Cryptocurrency Mining

The public narrative surrounding Bitcoin mining's impact on the environment has been predominately negative, with conflicting accounts debating the level of cryptocurrencies' footprint. Indeed, anywhere that cryptocurrency mining is dependent on dirty energy sources, such as coal,

the environmental impacts are markedly negative, such as near the coal-fueled cryptocurrency mines in Mongolia.[16] However, most crypto-mining occurs in areas with renewable energy sources because costs are lower.

Depending on the energy source, researchers estimate that crypto-mining can produce 3-15 million tons of global carbon emissions.[17] China is one of the world's largest producer, and consumer, of coal energy with mines in the Xinjiang and Inner Mongolian providences heavily reliant on coal energy sources to provide crypto-mining companies with cheap energy prices. Coal energy sources offer prices up to 30% cheaper than the average energy consumption prices for industrial firms.[18] However, when compared to the amount generated in the renewable energy sources in Canada, any cryptocurrency mined in China would generate four times the amount of CO2 emissions.[19]

3. Copied from crytposizzle.com
Bitcoin, Ethereum, Dogecoin and other popular cryptos reached record or near-record highs this year, ***raising concerns about the amount of energy needed to mine the coins. Warehouses of Bitcoin mining rigs run 24 hours a day, consuming more power than the whole of Argentina. As the energy bill for crypto mining rises, so does the amount of carbon and waste, adding to the growing climate crisis.***
4. NOISE copied from CDC.gov Fort Frances Times article claims the noise would be 70-75 dB 24/7 never ending
Common Sources of Noise and Decibel Levels
Sound is measured in decibels (dB). A whisper is about 30 dB, normal conversation is about 60 dB, and a motorcycle engine running is about 95 dB. ***Noise above 70 dB over a prolonged period of time may start to damage your hearing. Loud noise above 120 dB can cause immediate harm to your ears.***

5. Copied from enbridge.com
Municipalities begin pulling the plug on cryptocurrency miners

Industry's mammoth electricity demands spark energy supply troubles, and even safety concerns

Less than one job per megawatt.

That's the eye-popping estimated energy give-and-take required for the cryptocurrency mining industry—and it's why more municipalities are putting the brakes on the electricity-gobbling ventures every day.

In Quebec, Magog is the latest of 21 municipalities in that region that has imposed a moratorium on future cryptocurrency mining activity.

The home of the Montreal Canadiens, the 21,273-seat Bell Centre, uses five megawatts (MW) of energy a day. By contrast, two cryptocurrency mining companies that have recently set up shop in former Magog factory buildings were set to use a combined 20 MW each day.

Cryptocurrency mining is not a very big job creator. The analysis we have shows that cryptocurrency projects will create less than one job per megawatt," says Hydro-Quebec spokesman Marc-Antoine Pouliot.

"That's pretty low if you compare it with data centers, if you compare it with the aluminum industry or other huge consumers."***In upstate New York, another spot where hydroelectricity has traditionally created cheap power rates, a surge in cryptocurrency mining activity recently forced the city of Plattsburgh to buy power on the open market—and saw residents hit with enormous energy bills.***

Plattsburgh passed its own 18-month ban on cryptocurrency mines in mid-March, citing safety concerns over the amount of heat produced.

"There's no opportunities for them (that) I know of to give back to the community in any way," Plattsburgh councillor Dale Dowdle tells the Daily Orange. "They don't employ many people."

5. Copied from news.bitcoin.com

A Bitcoin mining operation in Tennessee is being sued by neighbors due to the high level of noise the facility produces. The lawsuit, which was filed in August, asks mining operator Red Dog to shut down operations and pay personal damages fees, as well as compensate owners for decreased property values. The lawsuit could set a precedent for other cases now that Bitcoin mining companies are seeking to migrate to new zones previously ignored.

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