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Sent: Monday, May 4, 2026 11:44 PM
To: Assembly <assembly@petersburgak.gov>
Subject: District heating

Dear Petersburg Assembly,

That was a very important meeting that we had today. I didn't really have time to express all of what I had to say about the exciting prospect of having our very first data center in Petersburg, so I thought I would send this link to a youtube.com video about what they are doing over in Finland. Don't get bogged down too much in the details of it; they are doing something much larger. But the concept remains the same on a smaller scale: the Finnish capital is using its urban center as a heat dump for its data centers. Their system is scaled for an entire city. Ours could be as simple as multiple PEX lines run underground on circulation pumps. Think geothermal heating, but with a data center as the heat sink. The dispersal is minimal(usually around 2-3%) in the lines, not that it really matters in this case.

I am fond of saying that data centers' greatest feature is their scalability. Mazella's idea is perfectly-sized for downtown Petersburg. The opportunity is exciting. A third of the cost of running a data center in the midwest goes to cooling. I don't know why all data centers aren't centered on arctic climes to take advantage of their waste heat. Mazzella needs our buildings to cool his ASIC chips; our buildings need Mazzella to provide free heat! This sort of sustainable symbiosis could grant us a double use for our excess watts from Tyee Lake.

Anyway, please check out the video, and look up district heating online.

(81) Finland's Big Idea: Turning Data Center Waste Into Heat - YouTube