

Peterborough Energy Committee Minutes

January 10, 2024

Present: Emily Manns, Jim Hassinger, Anne Huberman, Joel Huberman, Bruce Tucker, Steve Walker, Trisha Cheever

Fire Station

There was no news on the Fire Station. The Building Committee made no decisions at their recent meeting.

We were asked if the Tesla Powerwall batteries can actually perform the function of demand shaving. It turns out that the Powerwall software is designed for residential uses where demand charges are not an issue. There is currently no Powerwall software designed to do demand shaving, but that doesn't mean there won't be in the future.

However, we found a company called [Cadenza Innovation](#) that we might pursue for more information. Their modular Battery Energy Storage System (BESS) was [selected](#) by the Bridgeport, CT, Fire Department. It can handle demand shaving. This company apparently recycles end-of-life Tesla batteries.

Possible PEC Projects

We made an attempt to list the projects that we would like to consider working on.

1. Fire station solar
2. DPW solar
3. Evaluate the value of installing batteries in Town buildings with solar arrays.
4. Evaluate whether it makes sense for the Town to buyout the solar array at the Water Treatment Facility.
5. Get EVs in the budget by analyzing the fleet needs of all departments
6. Map Peterborough to show good EV charger locations
7. Develop Solar Farms as proposed by ReVision
8. Solar canopies for the DPW
9. Get a virtual power plant with distributed storage installed in our territory – like Green Mountain Power
10. Eventually get a dashboard for Trisha to monitor Town energy systems

We learned that, in the short time since Nubi installed an EVSE, the number of EVs there has grown from 3 to 7, about a quarter of Nubi households. This is a good example of what will happen when EV charging becomes easier.

Next Meeting

Our next meeting will be held at the Library on Wednesday, January 24, at 3:30 PM.