

Marbletown ECC Project Updates, May 2019.

Clean Power Expo, Sun June 23rd ??-??pm

Marbletown, Sustainable Hudson Valley, and New Yorkers for Clean Power will be holding a Clean Power Expo at the Marbletown Community Center. Room reserved reserved for June 8, 1:30-5pm. Expo will focus on heat pumps, Solarize launch(see below).

The HF Food Coop will provide food (Doug), and we will have several short presentations as well as tabling and mingling. Presentations will include a tour of the energy upgrades at Ridgewell (confirmed), a presentation on energy upgrades for the CC by MalCarne (confirmed), Solarize Launch- see below, overviews of heat pumps and building upgrades, and an overview of the CCA from Jeff Domanski, overview of proposed community solar installation at HF Water.

Banning Fossil Fuel Power Plants / Natural Gas Zoning

Power plants are currently allowed in I and I/B zones with only a site plan. Gas compression and metering stations are allowed in most zones with a special use permit. The Town Attorney has written a law to remove fossil fuel power plants and gas compression and metering stations as permitted uses in all zones. It also allows electric storage (batteries) as non-fossil generation allowed in I and IB.

The law also expands the zones where commercial solar is allowed to all zones with a special use permit.

The Board voted to send the law to the Town planning board for review, after which it will go to the Ulster County planning board, and return with recommendations. The Town will need to do a SEQRA review of the final law before it is passed.

This is much stronger than the moratorium on fossil fuel power plants recently enacted by the Town of Lloyd. Since no one is currently considering either a FF power plant or gas pipelines in Marbletown, we can jump straight to a ban.

Solarize Campaign with EV charging

Marbletown will be sponsoring a mini-solarize campaign to get people to install solar before net metering and ITC begin to phase out in 2020. The basic Solarize price will include an outlet near the home's parking area suitable for plugging in an EV charger (NEMA 14-50R, 50A circuit, or smaller if an electrical upgrade would be required.).

Hudson Valley Community Power (CCA)

Joule and the Towns have accepted a bid from Direct Energy for hydropower from four upstate plants at a price of \$0.06361 per kWh for two years. This will save the average Marbletown

household that uses 7000kWh/year about \$35/year compared to average Central Hudson rates over the last year.

Opt-out letters went out on May 22nd, and service will begin July 1. People who have alternative energy providers, are enrolled in Time of Use or energy assistance plans will not get letters and will need to opt in. Marbletown residents can opt in (or out) here:

<https://www.hudsonvalleycommunitypower.com/opt-out>

There will be a public presentation on the CCA after the Town Board Meeting on Saturday June 8th.

EV Charging

Plans for 2 15A EV chargers at the Stone Ridge Library have been finalized, and they should be installed any day now. Will be installed by SunCommon which has been very generous with Marbletown by stretching the Solarize campaign incentive. These will be Marbletown's 4th public chargers after the Community Center, Rondout Municipal Center (joint with Rosendale), and 3 Tesla destination chargers at Ridgewell. Mohonk Preserve also has plans for a pair of chargers at Spring Farm Trailhead.

Community Solar at High Falls Water

We have the outlines for proposal from Solar Generation for a community solar install at High Falls Water. SunCommon also looked at the site and decided it did not have enough usable space for them. The next step is for the Marbletown Town Board and Rosendale Town Board to sign a LOI agreeing to go ahead with a detailed system design and proposal.

Micro-Hydro

The town attorney is working on a law to allow micro-hydro in R and A zones in the zoning code. Based on Red Hook's law.

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Building Permit Fees

The town is revising building permit fees to incentivize efficient buildings. New building permits will be based on volume of air leakage per hour (not sq footage or cost of construction.) Changes in air leakage for remodel (or affected square footage is envelope is not involved.) Dave Allen is gathering information on Building dept costs. Because of the delay, Tom K decided to move ahead with a revision to the solar permit fees to be launched with our Solarize campaign. Dave Allen was concerned that this might adversely affect the Marbletown budget. I have tried to address his and potential Town Board concerns in this FAQ:

https://docs.google.com/document/d/1vpHZa2HNGqrVOOxSKE0uMhw_D45q95YqS87zOEeLh2w/edit?usp=sharing

NY Stretch Energy Code

The Town will consider adoption of the NYStretch energy code as soon as it is finalized.

<https://www.nyserda.ny.gov/All-Programs/Programs/Energy-Code-Training/NYStretch-Code-Energy-2018>

Marbletown Community Center Retrofit

Boardmember Don LaFera has taken the lead in negotiating with MalCarne on the CC retrofit package. He wants a bare bones version of the retrofit to consider as well.

Mid Hudson Fuel Buying Coop Community Solar Guide

The MHFBC has published a useful guide to current community solar options on their website.

It can be found here:

<http://midhudsonfuelbuyingcoop.org/wp-content/uploads/2019/04/MHFBC-LOCAL-GREEN-ELECTRIC-OPTIONS-with-website-link.pdf>

100% Renewable Marbletown

Working on roadmap and strategies to bring all of Marbletown to 100% renewable energy.

A spreadsheet of ideas is here:

<https://docs.google.com/spreadsheets/d/1-jMlcTcDJbbdDFwbErgKeAgtYoD0zQYiGD-nU-Imge0/edit?usp=sharing>

Need to work out more detailed strategies for:

- Building efficiency/ energy savings strategy
- Building Electrification strategy
- Renewable energy deployment strategy (well in progress)
- Transportation electrification

A strategy template from Sustainable Hudson Valley is here:

https://docs.google.com/document/d/1Vi2YDOwuYkqFC234zy13-ctgUUMWV_nbBoW5MIMwclw/edit?usp=sharing