

Attending members:

Tom Konrad, Chair
Iris Marie Bloom
Amy Moses
Doug Adams

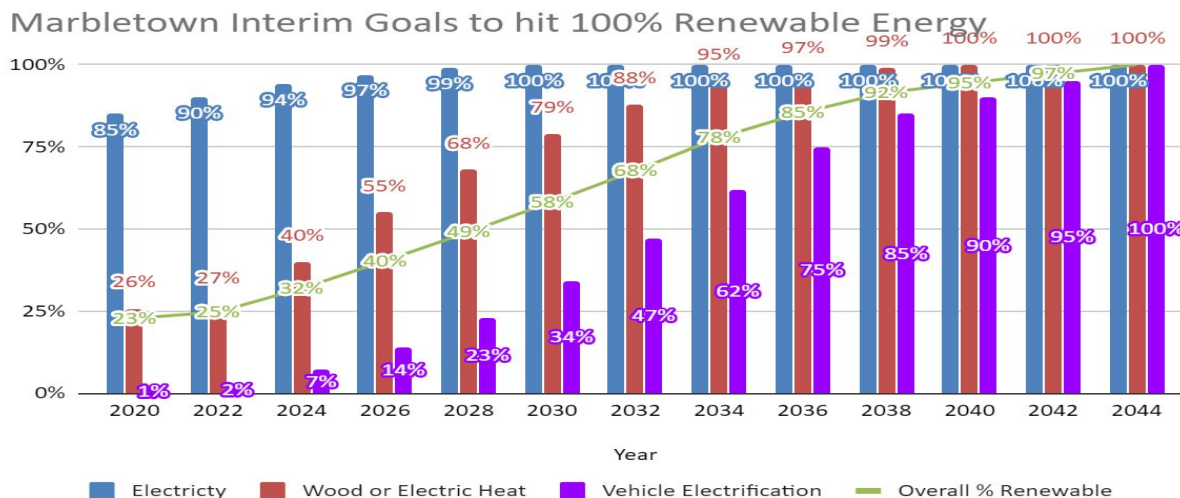
Others:

Eric Stewart, Board Liaison
Melissa Everett, Sustainable HV
Toni Brink, citizen

I. Marbletown 100% Renewable Report Review

Strategies of wood burning stoves were discussed at length. About 70% of the world's CO₂ emissions come from electricity generation, heating and transport, according to the latest estimates from the International Energy Agency (IEA). The decline in coal use in advanced economies caused CO₂ emissions to fall almost 6.5% worldwide last year per kilowatt hour of electricity generation, according to IEA data. While burning wood does result in CO₂ pollutants, this is more than offset by the increase of deliverable, affordable non-fossil fuel heat to a broad cross-section of Marbletown households. The emphasis of the section moving forward is to promote the use of efficient stoves with catalytic conversion units that meet the 2020 EPA efficiency criteria. Both pellets and wood remain a critical component of achieving the 100% renewable goal in heat (see figure 1, below), while increasing resiliency helping with future winter peak electricity demand.

Figure 1: Timeline for 100% Renewable Energy for Marbletown



Timeline: The goal of 100% renewable energy by 2030 for electricity appears achievable for Marbletown, according to the timeline data (see Figure 1, above). The electrification of transport is likely to be the slowest component. EV sales as a percentage of total sales in the US market is currently about 1% or roughly 174,180 out of 17.418 million passenger cars and light trucks sold in the US in 2019, according to government statistics. With significant effort, we believe we can increase EV portion of total sales in 2030 soars to 34%. Assuming a one percent growth factor

over the 10-year period (CAGR since 2015 = -0,48%), total car sales come to about 19.16 million in 2030. The EV portion of total light vehicle sales in 2030 translates to roughly 6.514 million—a quantum leap for the 10-year period. Without strong government mandates reducing CO₂ emissions and increasing miles per gallon on ICE vehicles coupled with sustained federal and state subsidy packages boosting demand for EV vehicles, achieving such a percentage of total sales in 2030 appears overly optimistic. Given current policy initiatives at the national level, government is offering rather strong disincentives for automakers in the all-important North American market to embrace EVs as anything more than a niche vehicle geared for the committed few.

Final editing of the report to happen before next meeting. Review, approve in March meeting and then present to the Town Board. Tom will do a preliminary presentation to the Town Board at next Tuesday's meeting (18 February).

The March ECC meeting has been moved to Wednesday, March 18th,

Meet-up group for renewable energy agenda still being worked on. Beyond the Rondout Repair Café is still being worked on. First two steps of the 10-step pledge have already been done with Community Solar and heat pumps forum last Sunday. Talked through the ten steps.

- Three big items like EVs (April), building envelope (March??) summer electric lawn mowers, outdoor appliances
- Technical assistance section—in good shape. The link is in the report

II. Commissioner Terms

- Amy Moses was confirmed by the Town Board for a second term.
- Alan Newman's application to the ECC was discussed and approved by the ECC with a unanimous vote. The recommendation will now be sent to the Town Board for its approval.

III. Other Business

- The Town has remaining \$12,000 to complete work on the Community energy retrofit. Don LaFera (deputy supervisor) is getting quotes for ASHPs.
- The May High Falls cleanup of the Rondout Creek below the falls will be spearheaded by Diana Zuckerman of Rondout HS and Emma Markle, the ECC student representative. Further coordination with the High Falls Conservancy and the High Falls Civic Association is expected.
- Rondout Repair Café will hold its session in the Municipal Center's gymnasium on Saturday the 29th of February from 10 AM to 2PM. This is the first meet-up session which will also provide advice and guidance around the solarize and heat pump program that is part of the Marbletown 100% Renewable Energy program.

- Other meet-up programs are in the works, including the electrification of garden tools such as weed wackers and lawn mowers.
- The stretch building code adoption by the Town building department is moving forward. Changes in the federal building code are due to be released on 12 May which appear to mesh well with the federal code proposals, enhancing their adoption possibilities here at the local level.

Meeting adjourned at 9:05PM with a unanimous vote.