

MOUNT FAIR FARM UTILITY REPORT – 2021

	12-Month Usage	EUI
Electricity (w/ Solar)	163,885 kWh	12.85

Executive Summary

This report presents an assessment of Mount Fair Farm’s energy usage as compared to its own historical usage and to usage of similar buildings. It includes electricity data from Dominion Energy from January 3, 2021 through January 2, 2022. **Results are largely encouraging for this reporting period: the property has once again been able to avoid any kWh charges by utilizing banked credits from solar production. Energy savings appear to have leveled out, but energy performance at Mount Fair Farm still substantially outperforms other properties within its space type category. Solar production has increased compared with 2020 due to the array expansions. But the Main Barn saw a large increase in energy usage during the second half of 2021, and the property overall exceeded the 50 kW demand threshold three times during the year, resulting in minimum demand charges being incurred in both January and February 2021.**

12-MONTH ENERGY EFFICIENCY COMPARISON

63% more efficient
than peers

Compared to RECS benchmark for single family detached homes. **Overall, energy efficiency continues to be well above average.**

3% less efficient
than previous 12 months

From January – December 2021, compared to Mount Fair Farm’s electricity usage from January – December 2020. **Energy efficiency gains have leveled off because energy-saving measures have now been in place for three years.**

ENERGY USE & PRODUCTION

41.5%
higher electricity use in the Main Barn

From January – December 2021, compared to January – December 2020. **This uptick in energy use seems to have begun in June 2021.**

13% more
solar production

From January – December 2021 compared to January – December 2020. **Solar production was higher in nearly every month of 2021.**

ENERGY COST

2% higher
billed electricity costs

From January – December 2021 compared to January – December 2020. **Similar electricity usage resulted in almost identical payments to Dominion over the two 12-month periods.**

67% lower
cost per kWh

In 2021 compared to 2015. **Solar continues to drive down the cost of electricity per unit.**