



# Energy Committee

Draft Minutes for Crosslands Energy  
Committee Meeting  
3/9/2021 at 1:00 pm. Zoom enabled by Pete

1. Welcome at 1:07 by Dick Kline,  
Agenda previously distributed approved
2. Minutes of February 9, 2021 and scattered attachments approved
3. Dick proposed Bob Whitlock for membership in the Energy Committee.,  
commenting on Bob's background and interest. Dick stated that Bob would  
make a fine contribution to the Committee. The Committee endorsed the  
recommendation and elected Bob to the Committee.

## 4. Climate Resilience Working Group

### Ben James

Crosslands Energy Report for March 9, 2021

Comments by Ben James – Climate Resilience working group

Ben shared the 2020 KCC energy use analysis that was prepared by Larry Kirwin of Kendal from staff supplied information. Electrical usage went up in 2020 versus 2019 at about 83% of the total carbon footprint, with natural gas consumption at about 13%. With our 50% reduction goal by 2030, the electrical demand will need close scrutiny and creative problem solving. Ben is meeting with the Kendal Energy Committee on its effort at a long-range energy reduction strategy.

One area that warrants an immediate program is ensuring that we have LED lights in as many places as possible. There is suspicion that the covered walkway lighting is CFL. A change here will require a fixture change out as well. The Energy committee could undertake an evaluation of the status of non-LED lighting and propose a plan to eliminate incandescent and CFL bulbs. Energy saving analysis and incentives from PECO could help justify capital expenses.

Another area with LED lighting worth checking out is the residential use of incandescent bulbs. As LED were introduced, the higher wattage incandescent bulbs did not have an LED equivalent. Many older residents rely on higher wattage for reading and since matching LED's are now available, a program encouraging switching to LED's would be beneficial and perhaps PECO/KCC support for purchasing the light bulbs could be justified.

A broader survey on non-LED lighting in the Center could be fruitful in the future.

2020 KCC energy consumption chart was supplied as separate file.

## Kendal-Crossland Community - 2020 Carbon Footprint

Fuel Consumed	Units Deliver ed	Unit	Lbs. of CO2 per Unit	Total CO2 (lbs)	Metric Tons %
Diesel	3,503	Gallons	22.8032	79,880	35.66
Gasoline	20,544	Gallons	19.9069	408,967	182.57
Propane	5,492	Gallons	12.7	69,748	31.14
Heating Oil	554	Gallons	22.8032	12,626	5.64
Natural Gas PECO	140,876	Ccf	12.2976	1,732,437	773.41
Electricity (a)	15,302,002	Kwh	1.13	17,291,262	7,719.31
				<b>Total</b>	<b>8,747.73</b>

## 2019 Carbon Footprint

Fuel Consumed	Units Deliver ed	Unit	Lbs. of CO2 per Unit	Total CO2 (lbs)	Metric Tons %
Diesel	9,224	Gallons	22.80	210,337	93.90
Gasoline	30,446	Gallons	19.91	606,085	270.57
Propane	6,305	Gallons	12.70	80,074	35.75
Heating Oil	1,550	Gallons	22.80	35,345	15.78
Natural Gas UGI	212,000	Ccf	12.30	2,607,091	1,163.88
Electricity (a)	13,814,110	Kwh	1.13	15,609,944	6,968.73