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Before the KPSC case no. 2020-00174

During this case no. 2020-00174 there will be lots of people pushing for solar and wind turbines to generate electricity. As a customer of Kypco I think we should use the generation we have now in place at Big Sandy power plant and Mitchell power plant as long as possible because Kypco customer's cannot afford any more debt. People struggle to pay their electric bill now. Why should Kypco put more debt on its customers. anyway Big Sandy power plant and Mitchell Power plants can generate all the electricity needed in Kypco service area since all the coal mines are shut down and people have left to find work.

Now let us look at some pro and cons for a solar farm.

- ① life of solar panels are 20yrs.
- ② you would be constantly in debt because

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by the time you would get a solar farm paid for, it would be worn out.

Then you would have to buy another.

③ A solar farm only produces electricity in the day light or part time

④ a solar farm produces very little electricity on a cloudy day.

⑤ Batteries to store electricity are a fire hazard and give off gases.

⑥ Kypco buying a solar farm would be a waste of its customers money.

Now let us take a look at the pro and cons for wind farms

① Life expectancy of a wind turbine is 20 yrs.

② Kypco would constantly be in debt paying for a wind farm because when you get one farm paid for after 20 yr. it would be worn out, you would have to go in debt to buy another wind farm.

③ wind farms are very expensive

④ wind turbines only produce electricity when the blades are turning.

⑤ Kentucky does not have a constant wind blowing

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⑥ You would need to have a back up power source for a wind farm when the wind is not blowing, such as a generating power plant.

Buying a Wind Farm or Solar Farm would be wasting Kypco customers money because they only work part time and would need a back up power source to back them up when the wind is not blowing or the sun is not shining.

In the future if the Kypco service area should need additional generation. The cheapest thing would be to restore unit 2 at Big sandy to natural gas. The old unit 2 building is still there and natural gas is there.

I think the best thing for Kypco service area is Hydro electric power. We have Buckhorn lake in Perry Co., Carrs Fork lake in Knott Co., Levisa lake in Pike Co., Dewey lake in Floyd Co. plus I do not know how many dams are in Kypco service area.

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Each of the dams could be used to generate electricity.

Hydro electricity has a lot in its favor such as:

- ① Would not have to replace it every 20 yrs
- ② Hydro Electric power plant would last hundreds of years
- ③ once it's paid for, all the expense would be up keep and maintainanc
- ④ It would be cheap electricity and would bring in Industry such as what has happened in Tennessee.
- ⑤ create jobs locally
- ⑥ NO smog, carbon, or gases

I ask The PSC deny any request to buy a solar farm or wind farm, because Kypco customers can not afford any more debt and they only work part time. Kypco need to look at better alternatives which will generate 100% of the time.

Respectfully

Freddie Coleman