

 <p>KENTUCKY YMCA YOUTH ASSOCIATION KENTUCKY YOUTH ASSEMBLY Legislative Bill</p>	Blue Bill # SB 40						
	Referred to Committee: Senate 2						
Authors: Madison Allen, Kaity Hamill	Action on the Bill <table> <tr> <td>House</td> <td>Senate</td> </tr> <tr> <td>___ <input type="checkbox"/> Passed</td> <td>___ <input type="checkbox"/> Passed</td> </tr> <tr> <td>___ <input type="checkbox"/> Defeated</td> <td>___ <input type="checkbox"/> Defeated</td> </tr> </table>	House	Senate	___ <input type="checkbox"/> Passed	___ <input type="checkbox"/> Passed	___ <input type="checkbox"/> Defeated	___ <input type="checkbox"/> Defeated
House		Senate					
___ <input type="checkbox"/> Passed		___ <input type="checkbox"/> Passed					
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School: Russell County High School							
City: Russell Springs							

1 An act to fund research for alternative energy sources.

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3 **Be it enacted by the Youth Assembly of the Commonwealth of Kentucky**

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5 Section 1: Alternative energy sources are becoming necessary in today's world. This research would focus on
6 Cellulosic Energy, Ethanol, Hydropower, Solar Power, and Geothermal Energy.

7 A. Cellulosic Energy- also known as cellulosic ethanol, is a biofuel produced from wood, grasses, or the
8 inedible parts of plants.

9 B. Ethanol- a colorless volatile flammable liquid C₂H₅OH that is the intoxicating agent in liquors and is also
10 used as a solvent and in fuel.

11 C. Hydropower- electric power generated using water power.

12 D. Solar Power- energy obtained from radiation emitted by the sun.

13 E. Geothermal Energy- heat energy from ground water: energy in the form of heat obtained from hot
14 circulating ground water.

15 F. Other- if a researcher is interested in another renewable energy source they could research that as well.

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17 Section 2: Kentucky already has the resources necessary for this research:

18 A. Cellulosic Energy- Kentucky is known for having an abundance in natural resources, some of which could
19 be easily turned into this.

20 B. Ethanol- Kentucky's large agricultural market makes corn available to be turned into ethanol.

21 C. Hydropower- the multiple rivers and lakes in Kentucky would make this able to happen.

22 D. Solar Power- there are lots of buildings in Kentucky that have plenty of space to put solar panels.

23 E. Geothermal Energy- Kentucky has groundwater and land that can be used for geothermal energy.

24
25 Section 3: Using alternative energy would be very beneficial to the economy of Kentucky. In the terms of
26 fossil fuels it would allow Kentucky to be less dependent on them all together, and allow us to sell coal mined
27 in eastern Kentucky. In the agricultural economy it would allow farmers to sell corn or other sources for
28 ethanol and cellulosic energy. With hydropower if turbines anchored to either riverbed or shores, that would
29 generate power from water current while preventing the water levels from being dramatically lowered. Plus,
30 the research will open up more job opportunities across the state.

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32 Section 4: This act would help fund research at Kentucky universities in finding "greener" energy sources. by
33 allowing students and others to research world sustainability and renewable energy.

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35 Section 5: The funding for this would come from Kentucky's department for energy development and
36 independence (it has a renewable energy division already), plus some universities in Kentucky already have
37 renewable energy research going on.

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39 Section 6: This law would go in effect one year after the bill has passed.