

Criteria	Comments
<p>Problem Statement Use statement drafted in Project 2.1.4 The Problem Statement.</p>	<p>In agriculture, we want to simultaneously feed the growing population, as well as combat climate change.</p> <p>In today's world, we have a population that is exceeding 8 billion. All of those people require proper nutrition, and a place to live, but in many countries, climate change is making that difficult. Farmers will continue to produce more and more food to feed hungry mouths, and with this production will also come waste products. Those waste products can be recycled, especially right on the farm site, to produce clean energy – bioenergy. Bioenergy also has potential to be transported off site, as a form of clean energy, as well.</p> <p>We will be using scholarly articles and scientific research to guide us on the potential the lies in bioenergy.</p>
<p>Background information: The issue and any background information that may be necessary. Region or area affected by the issue. Demographics of the population.</p>	<p>Some of our background information will come from sources such as:</p> <ul style="list-style-type: none"> <li>• <a href="https://maps.nrel.gov/bioenergyatlas/">https://maps.nrel.gov/bioenergyatlas/</a></li> <li>• <a href="http://www.prb.org/Publications/Datasheets/2014/2014-world-population-data-sheet/world-map.aspx#map/world/population/2014">http://www.prb.org/Publications/Datasheets/2014/2014-world-population-data-sheet/world-map.aspx#map/world/population/2014</a></li> <li>• <a href="https://www.energy.gov/science-innovation/energy-sources/renewable-energy/bioenergy">https://www.energy.gov/science-innovation/energy-sources/renewable-energy/bioenergy</a></li> <li>• <a href="https://www.ers.usda.gov/topics/farm-economy/bioenergy.aspx">https://www.ers.usda.gov/topics/farm-economy/bioenergy.aspx</a></li> </ul>
<p>Proposed Solution Clear and concise statement of how the problem will be solved.</p>	<p>We will be using scholarly articles and scientific research to guide us on the potential the lies in bioenergy.</p>
<p>A list of needs for the solution: Materials Equipment and tools Laboratory space Professional answers and feedback Expenses Safety precautions</p>	<p>Again, we will be using scholarly articles and scientific research to guide us on the potential the lies in bioenergy. Therefor we will not need to worry about safety or equipment.</p>
<p>Procedures How will research and development be conducted? Set-up How to collect data Number of trials proposed</p>	<p>Our biggest procedure will be reading articles and sharing the information with the other one. We have a minimum number of scholarly articles to include in our findings (5). Nicole is taking point on this project and will make the final decision on which 5 or more articles will be included in our findings.</p>

<p>Data Analysis and Expected Results Plan to collect and analyze data Description of expected results based on solution proposed.</p>	<p>Again we plan to include a minimum of 5 scholarly articles in findings, meaning we must each read and share a minimum of 10 articles so we can narrow down to the best 5.</p>
<p>Conclusion The problem and proposed solutions are re-stated.</p>	<p>In agriculture, we want to simultaneously feed the growing population, as well as combat climate change.</p> <p>In today's world, we have a population that is exceeding 8 billion. All of those people require proper nutrition, and a place to live, but in many countries, climate change is making that difficult. Farmers will continue to produce more and more food to feed hungry mouths, and with this production will also come waste products. Those waste products can be recycled, especially right on the farm site, to produce clean energy – bioenergy. Bioenergy also has potential to be transported off site, as a form of clean energy, as well.</p> <p>We will be using scholarly articles and scientific research to guide us on the potential the lies in bioenergy.</p>