

<b>ACADEMIC INSTITUTION</b>	University of the Fraser Valley
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<b>PROJECT NAME</b>	Oak and Earth Designs
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**NEED AND AUDIENCE**

This project addresses the need to reduce GHG emissions through natural products like our soy candles. Paraffin wax is the most commonly used wax for candles and yet it is toxic and cancerous to people, therefore we need to create natural products like our candles to create a healthier environment. This project address GHG emissions avoided. We created soy candles that are natural and do not cause air pollution like paraffin wax candles, which are commonly seen in stores. We target consumers that are socially conscious of the environment, their health and want to make a difference in their community.

**ACTION TAKEN**



We created a 100% soy wax candle that we sell. We educate the public on why soy is better for the environment and for themselves. By buying our candles instead of a paraffin wax candle we are saving CO2 emissions from being emitted. It is approximately 1.1 pounds per 9oz candle and .5 pounds per 4oz candle of CO2 that is emitted from paraffin wax candles. We have partnered with the Fraser River Indigenous Society to promote indigenous culture and contribute to a good cause. 50% of our profits are donated to the Fraser River Indigenous Society. Together we have created the candle scents and their culture cards explaining their significance to the indigenous culture.

**IMPACT**

Overall, we have saved 54lbs of CO2 emissions from being emitted. We have done this by using soy wax instead of the commonly used paraffin wax. Paraffin wax is the leading cause of indoor air pollution because it is derived from coal, shale or petroleum oil which contains 11 toxins and 2 carcinogens. We have also diverted 27lbs of waste through using reusable bags instead of cardboard packaging.

<b>STANDARD METRICS</b>			
(These metrics are related only to the project presented and represent work done since May 2020)			
Litres of water conserved	-	Metric tonnes of waste diverted	27lbs
GHG emissions diverted	54lbs	Dollar value of waste diverted in CAD \$	-

<b>PROJECT START DATE</b>	September 2019
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<b>IS THIS PROJECT WHOLLY-OWNED AND OPERATED BY THE TEAM?</b>	Yes
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