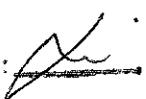


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S E N A T E

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INTRODUCED BY SENATOR VILLAR

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**RESOLUTION**

**URGING THE COMMITTEES ON ENERGY, ENVIRONMENT AND NATURAL RESOURCES AND SCIENCE AND TECHNOLOGY TO CONDUCT AN INQUIRY, IN AID OF LEGISLATION, ON THE FEASIBILITY AND ECONOMICS OF UTILIZING WASTE VEGETABLE OIL (WVO) WITH THE END IN VIEW OF PROTECTING THE ENVIRONMENT AND PROVIDING FOR ALTERNATIVE FUEL FOR AUTOMOBILES**

*Whereas*, Section 16 Article II of the 1987 Constitution states that, "The State shall protect and advance the right of the people to a balanced and healthful ecology in accord with the rhythm and harmony of nature";

*Whereas*, used oil is the common cause of clogging in drainage and sewerage systems resulting to floods and other water related diseases;

*Whereas*, Waste Vegetable Oil (WVO) is an alternative fuel allowing diesel engines to run on vegetable oil after undergoing scientific transformation;

*Whereas*, WVO is produced by raising the temperature of the vegetable oil so that the viscosity is reduced and the temperature is brought closer to that of the flashpoint, or the point at which the fuel becomes combustible;

*Whereas*, the benefits of using WVO as alternative fuel are as follows:

- i.) Carbon Monoxide Reduction – the toxic carbon monoxide can be reduced by as much as 50%;
- ii.) Sulfur Oxides elimination – when diesel is burned, the sulfur turns into sulfur oxides that, when mixed with rain water, turns into sulfuric acid or acid rain. Vegetable oil does not contain sulfur;
- iii.) Hydrocarbon elimination – evaporated fuel that was not completely burned during the combustion process, which if inhaled can cause pulmonary diseases. Vegetable oil is organic and does not contain hydrocarbons;
- iv.) Greenhouse Gas elimination – Carbon Dioxide which is generated by engines is one of the major causes of global warming. Vegetable oil is carbon neutral;<sup>1</sup>

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<sup>1</sup> <http://www.veggieoilcar.com.ph/>

*Whereas*, fluctuating fuel prices adversely affect public utility vehicle drivers lessening their income;

*Whereas*, adoption and enhancement of the WVO technology will curb air pollution, reduce dependence on imported petroleum, economically assist public utility vehicle drivers with alternative cheaper fuel and help stop global warming;

*Whereas*, in this new age of technology and heightened environmental awareness, the Philippines has to keep up with the global community as it threads forward into the future of sustainable development;

**NOW THEREFORE BE IT RESOLVED**, as it is hereby resolved, to urge the Committee on Environment and Natural Resources and Science and Technology to conduct an inquiry, in aid of legislation, on the feasibility and economics of utilizing the Waste Vegetable Oil (WVO) with the end in view of protecting the environment and providing for alternative fuel for automobiles.

Adopted,



**MANNY VILLAR**  
Senator