



*Technology would generate power at local intersections*

## **New traffic-powered renewable energy device slated for Village**

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**ELMWOOD PARK** – A new traffic-powered renewable energy device could be installed on the streets of Elmwood Park in the future, continuing Elmwood Park's commitment to energy conservation and green technology.

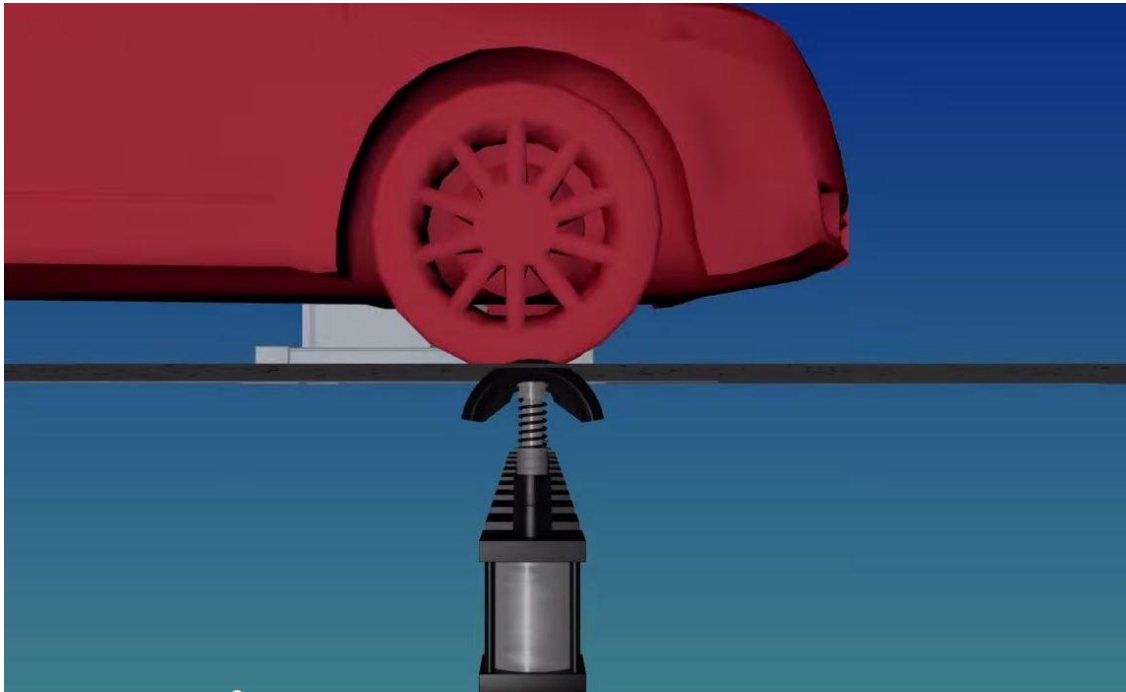
"We're excited about the prospects of this new source of clean energy," Village President Angelo "Skip" Saviano said. "We're awaiting more details about the product from New Energy Innovations, and are excited that they want to explore opportunities right here in Elmwood Park."

The Traffic Powered Renewable Energy System (TPRES) is composed of several cylinders installed in the pavement of intersections, toll booths or highway entrance and exit ramps. As the tires of cars and trucks roll over the TPRES, air from the cylinders is sent through tubes to a control center along the side of the road. The air is used to turn an alternator which generates electricity.

During peak traffic hours when traffic flow is heavy, excess electricity is stored in backup batteries for later use. The backup batteries can be used to keep traffic lights functioning during a power outage. New Energy Innovations based in Hoffman Estates says just one busy intersection would generate enough electricity to power 40 houses for one year.

New Energy Innovations has entered into an agreement with the University of Illinois at Chicago Mechanical and Industrial Engineering Department. "It is our desire to get the best energy production possible," creator and inventor Ralph Black said. "We are confident that the UIC Senior Mechanical and Industrial Engineering Design Teams will fulfill that need."

Manufacturing could begin as early as this summer.



Source: New Energy Innovations, Inc.

[www.elmwoodpark.org](http://www.elmwoodpark.org)

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