

## NEWS >

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### **Purdue University Develops Tellurium-Based Material for Faster and Smaller Transistors**

**Vancouver, BC, Canada, June 19, 2018 – Deer Horn Capital Inc.** (CSE: DHC, OTCBB: GODYF) (the “Company” or “Deer Horn”), reports that researchers from Indiana’s Purdue University have developed a new material called tellurene, created from the rare element tellurium, that allows electrons to move at faster speeds than in other materials. According to the researchers, this characteristic could be exploited to create faster and/or smaller transistors that can switch higher currents.

Other important properties of tellurene, according to the researchers, are its stability at room temperature and the fact that it can be produced quite easily. Other tellurene-like, two-dimensional materials, such as graphene, are unstable at room temperature or difficult to produce in large quantities. More information can be found in a recent article titled “[Is Tellurene the New Graphene?](#)” published in *Elektor Magazine* of London, UK.

“This is a good example of how science and industry continue to learn more about tellurium and find new applications for the metal,” said Deer Horn President and CEO Tyrone Docherty. “Tellurium is significantly rarer on this planet than even the rare earth metals, and it’s certainly rarer than gold. Our Deer Horn gold-silver-tellurium property in west-central British Columbia contains one of the few known NI 43-101 resources of tellurium. So we watch any of these new developments with great interest.”

Docherty also noted that tellurium is growing in importance for use in thin-film, cadmium-telluride (Cd-Te) solar panels. “The solar power industry continues to embrace cadmium telluride panels, and they’re now the world’s second-most utilized solar cell material. As sales increase, solar panel manufacturers are looking for secure and reliable sources of tellurium.”

Deer Horn Director Matt Wayrynen, CEO of Solar Flow-Through Funds, one of Ontario’s largest solar power developers, noted: “We are watching the development of cadmium-telluride panels closely. They’re cheaper to produce than silicon-based panels, and there is abundant research ongoing to improve their efficiency.”

Deer Horn recently reported positive results from an independent Preliminary Economic Assessment (“PEA”) at the Deer Horn property, where the Company is planning to conduct further drilling to both expand and upgrade the current gold-silver-tellurium resource. “Our intent is to use this additional information towards a Preliminary Feasibility Study to put the Deer Horn Property into production,” said Docherty.

On behalf of the board of directors of  
Deer Horn Capital Inc.

“Tyrone Docherty”

Tyrone Docherty  
President and CEO

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**Forward-looking information**

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