

## NEWS >

---

### Tellurium Nanoparticles Have Potential to Revolutionize Desalination Efficiency

Vancouver BC, Canada, September 5, 2018 – Deer Horn Capital Inc. (CSE: DHC, OTCBB: GODYF) (the “Company” or “Deer Horn”), announces that, according to a recent article in the journal *Science Advances*, tellurium nanoparticles could triple the rate of evaporation for solar desalination. If effective on a commercial scale, the process could reduce the energy needed for desalination plants by ten times.

The International Desalination Association reports that there are currently more than 18,400 desalination plants operating worldwide, providing water for more than 300 million people in 150 countries. As the desalination industry makes advances in efficiency, these numbers are expected to grow.

Over half the costs of operating desalination plants comes from energy. According to the *Science Advances* article, published in the August 2018 edition, a broadband absorber made of tellurium (Te) nanoparticles with a wide size distribution can absorb more than 85% solar radiation in the entire spectrum. The temperature of the absorber irradiated by sunlight can increase from 29° to 85°C within 100 seconds.

These findings suggest that Te nanoparticles can provide an advanced photothermal conversion material for solar-enabled water evaporation.

#### The Deer Horn Au/Ag/Te property

As technology continues to discover new applications for tellurium, additional and reliable sources of tellurium will be needed. Deer Horn Capital is advancing a high-grade gold-silver-tellurium resource in west-central British Columbia at the company’s Deer Horn Project. Both the [US Geological Survey](#) (USGS) and First Solar Inc. have identified Deer Horn as one of the world’s notable epithermal tellurium properties.

More information is available at [www.deerhorncapital.ca](http://www.deerhorncapital.ca)

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

*“Tyrone Docherty”*

Tyrone Docherty  
President and CEO

For further information please contact:

**Tyrone Docherty**

604.789.5653

[tyrone@deerhorncapital.ca](mailto:tyrone@deerhorncapital.ca)

**Investor Relations, Craig Doctor**

(604) 278-4656

[craig@docsconsultingltd.com](mailto:craig@docsconsultingltd.com)

**Neither the Canadian Securities Exchange nor its regulations services accept responsibility for the adequacy or accuracy of this release.**

#### Forward-looking information

All statements included in this press release that address activities, events or developments that the Company expects, believes or anticipates will or may occur in the future are forward-looking statements. These forward-looking statements involve numerous assumptions made by the Company based on its experience, perception of historical trends, current conditions, expected future developments and other factors it believes are appropriate in the circumstances. In addition, these statements involve substantial known and unknown risks and uncertainties that contribute to the possibility that the predictions, forecasts, projections and other forward-looking statements will prove inaccurate, certain of which are beyond the Company’s control. Readers should not place undue reliance on forward-looking statements. Except as required by law, the Company does not intend to revise or update these forward-looking statements after the date hereof or revise them to reflect the occurrence of future unanticipated events.