



## American Vanadium's CellCube™ Included in HOMER Microgrid Software

**August 6, 2014 - AMERICAN VANADIUM CORP.** ("American Vanadium" or the "Company") (TSX.V: AVC) (OTCQX: AVCVF) is pleased to announce that CellCube vanadium flow energy storage systems are now included in HOMER Microgrid Software. HOMER® is a software platform originally created at the US Department of Energy's [National Renewable Energy Laboratory](#) which has been used by approximately 100,000 people to design and analyze remote off grid electrical systems as well as grid integrated microgrids.

A webinar explaining the HOMER model as it applies to the CellCube system will be conducted by HOMER Energy and American Vanadium in the near future. For more information, contact the Company at [sales@americanvanadium.com](mailto:sales@americanvanadium.com).

"With Navigant Research predicting the dramatic growth of all microgrid segments in the next decade, particularly the remote and island microgrid sector, we are very excited that the current HOMER user base as well as our future customers will have access to this powerful design and modeling tool for the CellCube system," said Bill Radvak, President and CEO of American Vanadium. "This will be extremely helpful as clients analyze the viability and benefits of utilizing our systems in both existing and proposed microgrid systems."

HOMER is now distributed exclusively by [HOMER Energy LLC](#). HOMER Energy is a focal point for microgrid development as most microgrid projects have employed the HOMER (Hybrid Optimization of Multiple Energy Resources) software at some point in the process.

"The reality is that microgrids are economically viable today where diesel generators are the primary or sole source of power," says HOMER Energy CEO Peter Lilienthal, "This is typically in islanded or other remote locations. Our software enables the implementation of the right systems by optimizing technology and economics at the same. We are pleased to offer the CellCube energy storage systems as a potential solution to our customers' challenges and to help make remote generation more efficient."

### About HOMER Energy

HOMER Energy LLC is the global leader in the design and analysis of remote microgrids. The HOMER (Hybrid Optimization of Multiple Energy Resources) software has over 100,000 users worldwide. HOMER Energy provides the HOMER software, consulting, training, analytical services, and community market access tools to professionals, researchers, and enthusiasts in the energy industry who desire to analyze and optimize distributed power systems and systems that incorporate high penetrations of renewable energy sources. Visit <http://homerenergy.com> for more information.

### About American Vanadium Corp.

American Vanadium is an integrated energy storage company and the Master Sales Agent in North America for GILDEMEISTER energy solution's CellCube energy storage system. The CellCube is the world's only commercially available vanadium flow battery, providing long duration solutions over a 20+ year life for a broad range of applications including renewable energy integration and demand charge reduction. CellCube is a powerful, durable and reliable energy storage system that ensures a clean,

emission-free energy supply at all times. American Vanadium is developing the Gibellini Vanadium Project in Nevada to be the only dedicated vanadium mine in the United States, providing a critical source of vanadium electrolyte for CellCube energy storage systems.

ON BEHALF OF THE BOARD

Bill Radvak, President and CEO

For further information, please contact:

Dan Schieber, *Director, Corporate Finance*  
(604) 681-8588 X 106  
dschieber@americanvanadium.com

[www.americanvanadium.com](http://www.americanvanadium.com)

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