

**From:** [Michael Dorrell](#)  
**To:** [Akers, Kurt \(SIB\)](#)  
**Subject:** Gas to methanol  
**Date:** Wednesday, August 05, 2015 3:14:47 PM

---

One of the interesting projects that we currently have an exclusive equity option on is NorthWest Innovation Works' ("NWIW") development of gas-to-methanol facilities in Washington and Oregon. The projects plan to take advantage of price advantaged North American natural gas sourced from Western Canada and the Rockies as a feedstock for conversion into methanol - a more economic proposition compared to coal or oil-based feedstocks used elsewhere around the globe. Utilizing a location in the Pacific Northwest not only provides access to cheap feedstock, but also provides a cost effective shipping route to Asia for conversion of the methanol into olefins (producing fine chemical end products such as plastics and rubber). Demand for methanol in Asia has grown significantly over the past several years and is expected to continue on its current growth path through the next decade. In addition to the economic benefits of the project, providing methanol to Asia via North American sourced natural gas presents a more environmentally friendly alternative to current Asian olefin production sourced from coal or naphtha (oil-derivative) feedstocks.

Sent from my iPhone

---

CONFIDENTIALITY NOTICE: This email and any attachments thereto are intended solely for use by the recipients named above and may contain confidential information. If you are not an intended recipient of this e-mail or if you otherwise received this email in error, you are hereby notified that any disclosure, copying, distribution or use of this e-mail or any attachment is strictly prohibited. Please notify us immediately by returning it to the sender and permanently delete this message and any attachments from your system. You should not retain this e-mail, nor should you disclose all or any part of the contents to any other person. Thank you for your cooperation.

---