



NW Innovation Works (NWIW) is investing \$1.8 billion in the construction of facilities at the Port of Kalama to meet the global need for clean methanol manufacturing. The facilities will implement innovative technologies, such as Ultra-low Emissions (ULE) and Zero Liquid Discharge (ZLD), to protect our environment, decrease emissions, reduce waste, and reuse resources.

Why Methanol?



Methanol is a colorless liquid produced for commercial and industrial use. Many everyday products originate from methanol, including electronics, clothing, sporting goods, boats, tools, paint, and medical supplies and devices.

Methanol is also used in the production of materials used for renewable and sustainable energy, such as wind turbines and solar panels.



Is this facility good for our environment?

Yes. We will implement innovative technologies to protect our environment, decrease emissions, reduce waste, and reuse resources.

Our facilities will use our **Ultra-low Emissions (ULE)** and **Zero Liquid Discharge (ZLD)** Technologies to do just that.

ZLD technology will be used to remove contaminants from the wastewater so it can be reused in the facility, eliminating wastewater discharge into the Columbia and impacts on aquatic life.



ULE Reforming Technology

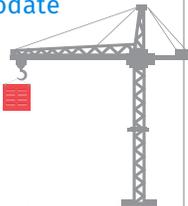


ULE reforming is a proven technology that uses electricity and process-generated heat to power production. This process is more energy efficient and uses less natural gas than traditional refining methods. Natural gas will be transported to the facility by underground pipelines. This is a safer alternative than transportation by rail or truck. More information about natural gas pipeline safety practices for our proposed Kalama facility can be found at the Williams Northwest website. kalamapipeline.com

Why the Port of Kalama?

The Port of Kalama has owned the project site since 1979 and has prepared it for industrial development. The site is designated for heavy industrial use by Cowlitz County.

The site is the right size for the project, it is close to an existing gas transmission line, and the shoreline can accommodate a new dock for transportation.



"NWIW has shown great leadership by investing in new technologies that will make the Kalama facility more environmentally responsible. The decision to implement Zero Liquid Discharge technology further reinforces NWIW's commitment to building a safe, world-class facility, while also protecting our natural resources."

- Ted Sprague, President, Cowlitz Economic Development Council

How will this benefit us?



NWIW is bringing family wage jobs back to the US. We are supporting local goods and services and contributing millions in local tax revenue that will fuel our economy for decades to come.

The revenue from this project will strengthen state and local authorities' ability to build new community facilities, enhance local infrastructure, and improve our schools.



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NW INNOVATION WORKS