



**STOP**

**TAR  
SANDS**

**EXTRACTION NOW!**

## RESIST THE KEYSTONE XL PIPELINE

The spill-prone Keystone XL pipeline would carry 800,000 barrels a day of toxic bitumen from the tar sands of Northern Alberta across the continental United States. It would cross through hundreds of waterways and Nebraska's Ogallala aquifer which is one of the most important sources of agricultural water in the US.

In 2010, Enbridge's Line 6B pipeline spilled more than 4 million liters into the Kalamazoo River. It has killed countless fish and wildlife, left whole areas contaminated by a toxic sludge, which still hasn't been fully cleaned up.

Bitumen is very thick so it must be heated and diluted with corrosive toxic chemicals for it to flow through pipelines. Even the smallest of spill creates an environmental disaster. Unlike oil, this toxic stew doesn't float, it sinks, making spills extremely difficult to clean up and allowing it to linger in the environment unseen.

Do not let TransCanada's thirst for profits ruin our environment.

[www.nokxl.org](http://www.nokxl.org)

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TRANSCANADA  
SPILL AGAIN**



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## RESIST THE NORTHERN GATEWAY PIPELINE

Enbridge is attempting to push its pipelines through Indigenous territory despite local resistance.

If completed, a pipeline measuring nearly a meter in diameter would transport 520,000 barrels of tar sands bitumen per day from Edmonton, Alberta to Kitimat, British Columbia on the Pacific Coast through unceded Indigenous territory. Spills are imminent.

Two pipelines are planned, stretching 1175 kilometres across the Rocky and Coastal Mountain ranges. One pipeline would transport approximately 525,000 barrels of tar sands bitumen each day, while the other would carry around 193,000 barrels per day of condensate: a toxic cocktail of liquid hydrocarbons that's used to dilute heavy tar sands.

Enbridge also plans to build a port in the town of Kitimat that would pump bitumen into 220 oil supertankers each year. Spills during loading are common. If 11 supertankers navigate in and out of these restricted channels each week, the probability that one will run aground and spill bitumen into the natural landscape is extremely high.

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## RESIST THE ENERGY EAST PIPELINE

The Energy East pipeline would transport about 1.1 million barrels of tar sands bitumen through 3,000 kilometres of decades-old and converted natural gas pipelines every day, following the TransCanada Highway from Alberta to Canada's East Coast.

A toxic cocktail of hydrocarbons is used to dilute heavy tar sands bitumen that would otherwise not flow through any pipeline. When tar sands pipelines fail (and TransCanada's pipelines have ruptured, spilled and exploded many times), the hydrocarbons evaporate leaving a sickening stench. The remaining heavy bitumen oil sticks to everything and sinks in water.

TransCanada needs to create a deepwater terminal to load oil supertankers and is proposing the endangered St-Lawrence Beluga whale's breeding area as its Québec location.

Energy East would generate 30 to 32 million metric tons of greenhouse gas emissions each year — the equivalent of adding more than 7 million cars to the roads.

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## **RESIST LINE 9 PIPELINE REVERSAL & EXPANSION**

Enbridge wants to make a killing by reversing Line 9 flow eastward to transport 300,000 barrels/day of tar sands oil across Canada to the east coast through a 39-year-old pipeline that was designed for light crude, not heavy bitumen. The old pipeline runs directly through densely populated parts of Canada, threatening waterways that supply drinking water.

Enbridge has a bad record: between 1999-2010, they admit spilling 161,475 barrels (25,672.5 m<sup>3</sup>) of crude oil into the environment at 804 breaking points along existing pipeline. Line 9 reversal is expected to increase spill rates

To allow heavy crude to flow through the pipeline the bitumen must be diluted with corrosive toxic chemicals that will certainly damage the aging pipeline and cause increasingly toxic spills.

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