

# California State Senate

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November 4, 2020

Mary Nichols, Chair  
California Air Resources Board  
1001 I Street  
Sacramento, CA 95814

Dear Chairwoman Nichols,

I am writing to you in support of California Jet Oil LLC's request to include water-jet technology into the California Air Resources Board's rule making process as an "innovative crude production method" under the Low Carbon Fuel Standard (LCFS) program.

During your workshop titled *Low Carbon Fuel Standard Public Workshop to Discuss Potential Regulation Revisions* on October 15th, my staff read a statement on my behalf in support of water-jet technology. As was stated, I believe new processes like water-jet technology should be part of the state's efforts in meeting its carbon goals.

According to California Jet Oil LLC, water-jet technology has the potential to substantially improve California's oil production while also minimizing its impact on the environment through the following:

- **Non-fracking:** Water-jet technology does not fracture the rock formation to produce oil. This technology could be a direct replacement for hydraulic fracturing or high pressure steam injection operations.
- **Ground water protection:** Water-jet technology does not inject any water into the surrounding rock formation and all water used in the process is re-used and recycled.
- **Reduced surface impacts:** Water-jet technology accelerates the recovery of oil, significantly reducing the well life-cycle from decades to days, allowing the surface to be restored faster than typical oil recovery processes.
- **Reduced crude imports:** California currently imports 75% of its oil to meet its needs, much of it coming from overseas via oil tankers. Water-jet technology could help California reduce its reliance on imported crude by replacing high carbon intensity imported crudes with low carbon intensity water-jet oil.

- Increased economic activity: California is currently exporting over \$20 billion a year to out-of-state oil suppliers to purchase oil to meet its needs. Water-jet oil production technology provides an alternative to importing foreign crude, while creating jobs and economic prosperity for Californians.

I support California Jet Oil LLC's request and ask that you consider its incorporation into the Air Resources Board's rule making process.

Should you have any questions, please do not hesitate to contact me at (916) 651-4016 or [Senator.Grove@senate.ca.gov](mailto:Senator.Grove@senate.ca.gov).

Respectfully,

A handwritten signature in black ink, appearing to read "Shannon Grove". The signature is written in a cursive style with a large initial "S".

Shannon Grove  
Senate Republican Leader, 16<sup>th</sup> District