

From: [Scott Schoettgen](#)
To: [Wr401program](#)
Subject: Klamath River Dams Removal
Date: Saturday, February 9, 2019 6:58:19 PM

To the State Water Board,

Thank you for all of your work and deliberation in pursuit of just and sustainable water management practices in California. I am writing in support of the removal of the Klamath River Dams and subsequent restoration of the Klamath River system.

As large dams like the Klamath Dams, and the Lower Elwha Dam in Washington come down, I encourage the state water board to leverage our research institutions to their fullest capabilities studying the long term effects on local environment (climate) and economy.

Here are some interesting studies to consider in regards specifically local climate temperatures and greenhouse gases.

“The interaction of rivers and urban form in mitigating the Urban Heat Island effect: A UK case study”

<https://www.sciencedirect.com/science/article/pii/S0360132312001722>

“Significant cooling effect on the surface due to soot particles over Brahmaputra River Valley region, India: An impact on regional climate”

<https://www.sciencedirect.com/science/article/pii/S0048969716305770?via%3Dihub>

I’ve also seen estimates that upwards of 10% of the world’s methane gas emissions come from the breakdown of organic matter sitting stagnant in reservoirs that wouldn’t exist if the rivers were flowing freely.

In regards to economy...there are without a doubt substantial opportunities in water conservation technology development. The recent studies in the Tulare Valley showed significant increases in crop yields and decreases in water use when pressurized water systems were used. This is just the tip of the iceberg when you start considering other developments like large scale hydroponics and non-reservoir off-drainage water storage.

California prides itself on being the innovation Mecca of the world. Developments in water technology can be utilized all around the world and provide massive economic potential for business here in California.

Thank you for your consideration,
Scott