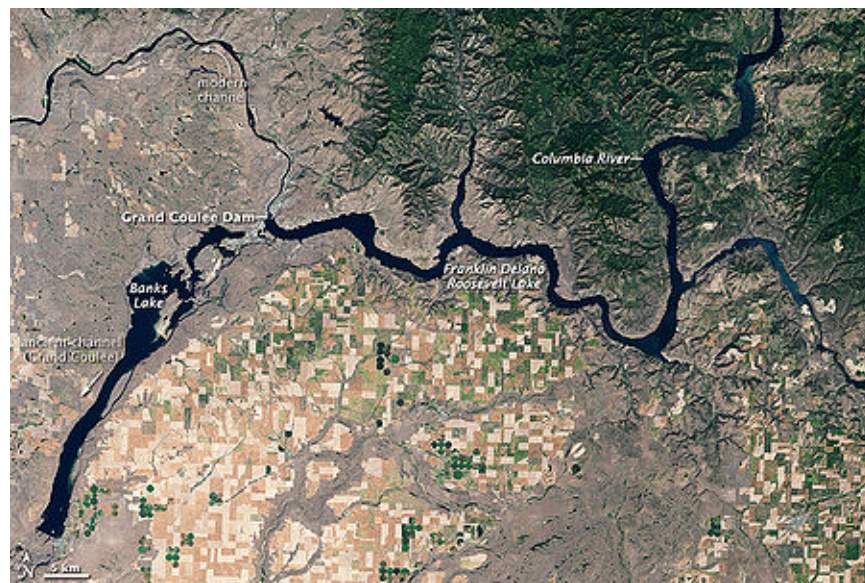


Pumped Hydro Storage

“We'll pump water uphill to store energy.”

Indeed hydro storage is very reliable and efficient, reflecting the fact that gravity is the main repository of energy in the Universe. Almost all the energy used to pump water to a higher reservoir can be released on an as-needed basis for later use. By why would you pump water uphill if it's already there? Also, that upper reservoir will cover no less land area than (say) the Site C reservoir. So this turns into an argument that actually shows the logical necessity of the Site C infrastructure.

Incidentally, the largest experiment ever in pumped hydro storage began at the Grand Coulee dam with its completion in 1942. Power generated at the dam was used to pump water up to the [Grand Coulee](#), which is an ancient river bed on the Columbia Plateau created during the Pliocene Epoch, to form what is now known as Banks Lake. This [pump-generating plant still exists](#), but is now rarely used since the completion of the third power plant in 1980. This is because it is more efficient to simply harvest the electricity directly from the river reservoir itself, as needed.



More at: <http://www.dreamgreen.ca/SiteC.pdf>