Energy Water Nexus: Resource Industries

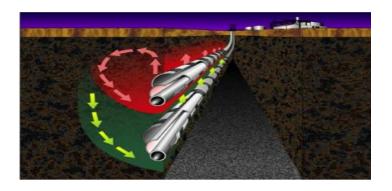




Vancouver, British Columbia June 25, 2015

Energy Water Nexus

- Supply/Energy generation
- Process drilling, extraction
- Waste Disposal, reinjection, reuse





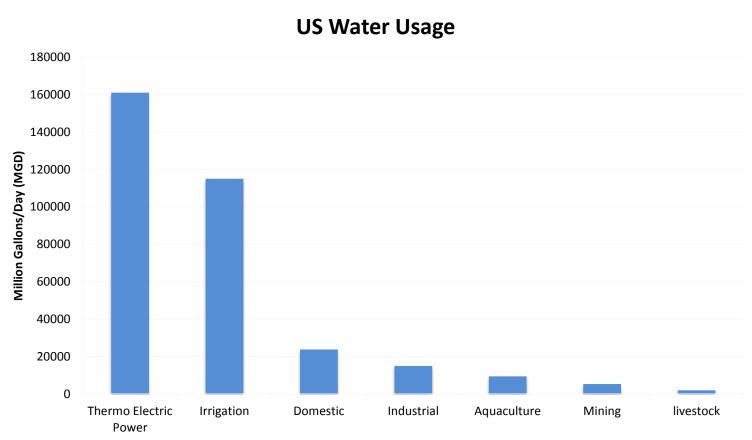








Industrial Water Usage (United States)



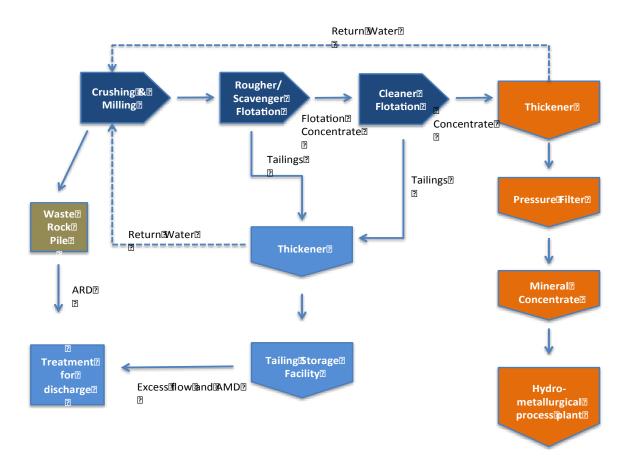
Source: USGS – Water Usage in the United States (2010). Published Nov 2014.



Mining – Water Usage



Chilean copper mines supplied by seawater





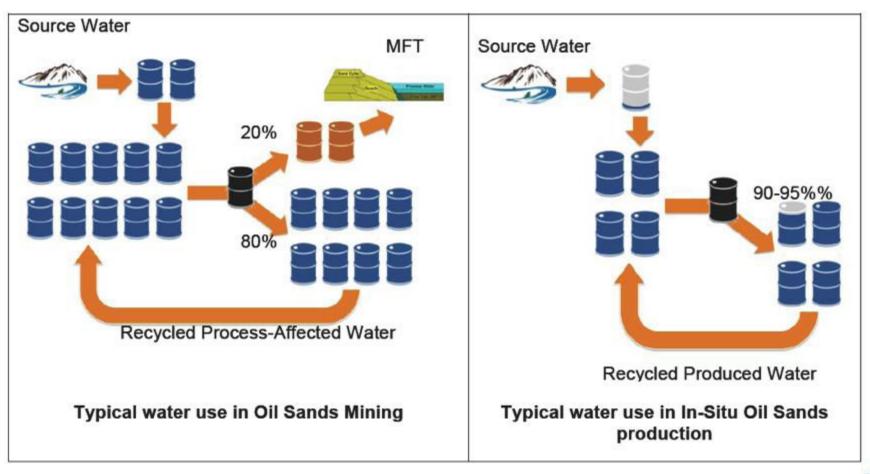
Oil and Gas Sector Overview

- Produced Water: from "upstream" processes, exploration and oil production
- Downstream processes: oil refining and petrochemical products





Water Usage in the Alberta Oil Sands





Power and Water – California Drought

