Our “apples to apples” method. We used the BC Hydro and the BCUC alternative portfolios, which provide the same annual energy and meet the same peak demand as the Site C Project. This “apples to apples” approach is also used by BC Hydro in its integrated resource plan. We used a conservative approach by estimating the employment in the alternative portfolios using BC Hydro’s low load forecast of future electricity requirements.

**BC Hydro alternative portfolio.**
In the long-term this portfolio outperforms Site C for job creation. This is because alternative energy generates more jobs per dollar spent.

**BCUC alternative portfolio.**
The Commission’s alternative portfolio provides somewhat less employment than Site C by 2024, but soon substantially exceeds Site C, due to site remediation, energy conservation, and alternative energy jobs.

**Conclusion:**
Our analysis indicates that terminating Site C and pursuing the alternatives results in modest job losses in the short term, and substantial job gains in the medium and long-term. Site C provides the least jobs per $ spent. **Terminating Site C and pursuing any alternative portfolio creates a higher number of sustainable jobs in the province, including in the Peace Region.**
Continuing with Site C

- **Total construction jobs.** According to BC Hydro, Site C will create about 44,000 “jobs” or person-years of employment during construction, including direct (on-site), indirect (contractors), and induced (broader economy) jobs.
- **Cost of construction jobs.** Every direct job at Site C costs over $1M. (For total employment, each job costs approximately $225,000.)
- **Operations jobs.** Once construction is complete in 2024, according to BC Hydro the Site C Project would produce 74 jobs per year.

Terminating Site C

- **Site C remediation jobs.** Site C remediation would cost $1.8 billion, the same spending as the previous two years of construction at Site C. This two-year remediation and 10 years of monitoring is expected to create nearly 10,000 jobs at similar pay and skill levels to current Site C construction jobs. If Site C were terminated, remediation provides a transition period for workers and the local economy.
- **Energy conservation jobs.** According to a study carried out for BC Hydro, spending on conservation or demand-side management (DSM) programs creates 30 jobs per $1M spent. Spending on energy conservation programs is the most effective way to create employment.
- **New peak demand project jobs.** If Site C were terminated, BC Hydro requires new resources to meet peak demand requirements as early as 2025, depending on future load. BC Hydro proposed pumped storage hydro, and the BCUC proposed geothermal projects. Planning would begin immediately for these projects, with construction starting in the early 2020s.
- **New wind energy project jobs.** All alternative portfolios involved the development of new wind projects, with construction beginning as early as 2025 depending on future energy requirements. Most wind development would occur in the Peace Region, which has the best wind resources.

UBC’s Program on Water Governance published 5 research reports on Site C ([www.watergovernance.ca/projects/sitec/](http://www.watergovernance.ca/projects/sitec/)), and made 6 technical submissions to the BC Utilities Commission. ([http://www.sitecinquiry.com/submissions-and-comments/](http://www.sitecinquiry.com/submissions-and-comments/)). The research reports were reviewed by independent academic experts and extensively cited by the BCUC during its Site C Inquiry.

---