

Appendix 10 – Major projects in Skeena, Omineca and Cariboo Regions

| Region | Communities affected | Project description | Timing | Scale of project | Employment impact (direct & indirect) | Comments | Markets |
|---------------------------------|-------------------------|--|---|---|---|---|---|
| Skeena | Houston | Huckleberry Mine Extension-copper/molybdenum | Current | Mine life extended with an anticipated closure of 2021. | Currently employs up to 260 people in the Houston and Smithers area. Of this 15% are FNs. | Project in permitting mode with OLTC for clearing already issued, Mines Act amendment and water Act License by 2011/12/07 . | Current production 16,400tpd. |
| Skeena | Smithers/Granisle | Morrison Mine-copper gold | OLTC applied for the transmission line. . | Mine life expectancy of 21 years. | Expected to employ 251 people when operating. | Currently on hold at day 176 of the EAO review. | Estimated production of 30,000 tpd. |
| Skeena | Burns Lake | Ditni Yo – BC Hydro Bioenergy Power Plant | Waiting for BC Hydro to revisit. | 120 million in investment. | Anticipated to employ up to 250 during construction and 120 when operating. | Stalled at moment | Generate 33 MW |
| Omineca (managed out of Skeena) | Fraser Lake/Burns Lake | Mine-Endako expansion-Molybdenum | Current | 527 million expansion to extend life to 2025 | Construction- 400 on project with 250 on site. 14 major contractors, 5 sub-contractors and 300 vendors. Operating- 350 (increase from 280) | Stalled at moment due to FN concerns with water and fish. Ground water monitoring plan under discussion. Permits needed by spring 2012 for mill operations. | Produce 55,000 tpd (up from 28,000) and 635 million lbs of Mo over life of mine |
| Omineca | Fort St James/Mackenzie | Mine- Mt Milligan-Copper Gold | Current | 1-1.5 billion | Direct: Construction started-700 Operating- 400 | Most of permitting completed and construction underway. | 60,000 tpd |
| Omineca | Vanderhoof | Mine-NewGold (Blackwater Project) | 1-5 years | 1-1.5 billion 100-120 million transmission line | Exploration: 100-120 Construction-400 man camp Operating- 3-400 Indirect: 800 spin off jobs | Advanced exploration stage, submit project description 2012, construction 2015/2016 | Produce 350,000 ounces of gold/yr; 80 million impact to local economy |

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| Omineca | Vanderho of | Mine-Chu Molybdenum | 1-5 years | 0.75 to 1.25 billion | Direct: Operating 3-400 | Entered EAO in 2009 | Produce 90,000 tpd |
| Omineca | Prince George/ Bear Lake/McLeod Lake | Mine- Sand Quarry | 1-5 years | 500 million | Direct: Operating-300 | Expected to enter EAO in 2011. | Produce sand for fracking in NE |
| Omineca | Fort St James/Mackenzie | Mine-Kemess Underground- Gold/copper | 1-5 years | 723 million total investment (286 more once operating) | Operating-300-400 estimated | Expected to enter EAO in 2012 | 95,000 tpd |
| Omineca | Fort St James | Bio-energy Ft. St James Green Energy | 1-5 years | 140 million | Direct: Construction -80 Operating – 16 Indirect- 60 (collecting waste) | Complete and submit permits, registrations etc. (approx. 22 in total) | Generate 36 Megawatts of power |
| Omineca | Fraser Lake | Bio-energy West Fraser | 1-5 years | 40 million | | | Generate 10 MW of power |
| Omineca | McBride | Clean Energy Projects – ‘Holmes Hydro’ | 1-5 years | 150 million | Construction phase jobs = 60; Operating phase jobs = 6 | Initial permitting is substantially complete. BC Hydro and transmission line authorizations still outstanding | 86 MW |
| Omineca | McBride | Clean Energy Project – ‘Castle Creek’ | 1-5 years | 15-20 million | Construction phase jobs = 30; Operating phase jobs = 4 | Project is currently under review. | 8 MW |
| Omineca | McBride | Clean Energy Project – ‘McIntosh Creek’ | 1-5 years | 5 million | Construction phase jobs = 30; Operating phase jobs = 2 | Initial permitting is substantially complete. BC Hydro and transmission line authorizations still outstanding | 1.3 MW |
| Omineca | McBride | Clean Energy Project – | 5-10 years | 500 - 750 million, depending | | In EA | 300 MW |

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| | | ‘Mt George Wind Park’ | | on final design | | | |
| Omineca | Valemount | Clean Energy Project – ‘Small River’ | 1-5 years | 5-10 million | Construction phase jobs = 30; Operating phase jobs = 2 | Initial permitting is substantially complete | 8 MW |
| Northern Area | Highway 16 Corridor from Kitimat to Alberta | Pipelines-Northern Gateway | 1-5 years | 4 billion | Construction-62,000 person-years. Operating- 1150 jobs | NEB/ CEAA JRP hearings in 2012. FLNRO permitting could start in 2013. | Export oil from Alberta Tar sands. 525,000 bpd. Import condensate 193,000 bpd |
| Northern Area | Highway 16 corridor from Kitimat to Alberta | Pipelines-Pacific Trails- LNG export | 1-5 years | 1.2 billion | Construction-1500 person years. Operating- ?? | CEAA and EA certificates issued. OGC permitting expected to start in 2012. | Export liquified natural gas to Asia. 1bcf/d |
| Cariboo | Alexis Creek | Bioenergy-Tsilhqot’in Bio-energy plant next to Riverwest TFN sawmill. | Within the next 6 months | 5 mw bioenergy facility, scaleable to 30 mw | Secures 2 shift operations at Riverwest sawmill and provides local facility to area bio-fibre to increase merchantability of remaining saw timber for other sawmills in area. | Apart from the economic development opportunity, this is a key initiative of the Tsilhqot’in Strategic Engagement Agreement. Contingent on a mandate request to provide more timber than Bill 28 allotment | Opportunity to get TFN’s Riverwest sawmill off diesel and provide support for other energy-requiring local projects. If a 230 KV line can be built a power sale agreement would be possible with BC Hydro. |
| Cariboo | Williams Lake | Mine-Mount Polley Small expansion to extend mine life | Current | 18 Ha expansion of 2 pits, upgrading of 1.5 kms of existing road and .9 kms of new road. | Expansion will likely maintain current employment of 350 through until 2016. | Mines Act Permit Amendment and authorizations for road development have been issued. First Nations continue to express concern with consultation and decision process. | |
| Cariboo | Williams | Mine-Gibraltar | Target complete | Capital cost \$325 | Construction phase will create | Will require a Mines Act Permit | 50 tpd |

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| | Lake | Expansion | on end of 2012 | M. Installation of new concentrator or to increase capacity from 35 to 50 tpd. | up to 500 temporary positions. 140 additional permanent positions over remaining mine life. | amendment yet to be received. May also require an amendment to the MoE effluent permit | |
| Cariboo | Williams Lake/ Likely | Mine-Spanish Mountain-gold | 4- 5 years | Capital cost of \$463 M. Open pit gold mine. 10 yr life.. | | Joint CEAA/EAO Comprehensive Review. Process is in pre-application phase. | 40 tpd |
| Cariboo | Williams Lake/Nemiah Valley | Mine- New Prosperity-gold-copper | 4-5 years | Capital cost - \$1 Billion. construction of 130 km transmission line. | 1400 jobs over 3 year construction phase. 500 full time positions over the 22 year mine life. | CEAA has initiated 12 month panel review. Project requires amendment to existing provincial EAO certificate. | 70 tpd |
| Cariboo | Quesnel/ Wells | Mine- Bonanza Ledge –gold | 1 -2 years | Open pit gold mine. 4 year mine life. Ore to be processed at the existing QR mill | 50 post construction jobs | Issuance of Mine Act permit expected within the week. Requires amendment of QR permit to allow for processing of ore off site. Expect it in the next 3 weeks. | 3,000 tpd |
| Cariboo | Williams Lake | Mine- Blackdome | 1-2 years | This is a permitted mine with an existing mill that is not currently operating. | 100 positions | SONA Resources is examining the feasibility of underground mining at the Blackdome site. SONA is also looking to process ore from their neighbouring Elizebeth Mine at the Blackdome site. | |