

Bud Fraser

MASc, PEng

Senior Engineer,

Green Buildings + Infrastructure Specialist



EDUCATION

1995 – 1997

Master of Applied Science,
Bio-Resource Engineering,
University of British Columbia

1983 – 1988

Bachelor of Science,
Electrical Engineering,
University of Manitoba

PROFESSIONAL AFFILIATIONS

Member,
BC Water and Waste Association
Registered Professional Engineer,
Association of Professional Engineers
and Geoscientists of BC

PROFESSIONAL EXPERIENCE

2011 – Present

Senior Engineer, Green Buildings +
Infrastructure Specialist
HB Lanarc - Golder,
Vancouver, BC

2008 – 2011

Associate, Senior Engineer,
HB Lanarc Consultants Ltd.
Vancouver, BC

2006 – 2008

Senior Engineer,
Holland Barrs Planning Group,
Vancouver, BC,

Biography

Bud Fraser has over twenty years of combined engineering, project management and planning experience. Bud uses his multi-disciplinary background to help clients create buildings and infrastructure that meet sustainability and economic objectives, are better integrated, and that more efficiently manage energy, water and waste resources. His services include analysis of sustainability and resource performance, policy and strategy development, and design advising. As part of HB Lanarc-Golder's Infrastructure, Climate and Energy Team, Bud is leading the development of the CEEMAP energy and emissions model. His clients include a range of property developers, institutions, provincial government, and diverse local governments such as North Vancouver, Prince George, Harrison Hot Springs and Edmonton.

Select Project Experience

ENERGY + GREENHOUSE GAS ANALYSIS + PLANNING

- Community Energy and Emissions Plan, City of Surrey
- District Energy and Integrated Resource Recovery Pre-Feasibility Study, University of Calgary
- Community Greenhouse Gas and Land Use Study, Town of Markham, Ontario
- Energy and Emissions Plan Update: buildings and infrastructure contributions, City of North Vancouver
- District Energy Strategy: GHG and sustainability analyses, Surrey City Centre
- OCP Climate Targets, Policies and Actions, Village of Harrison Hot Springs
- Climate Change Foundations Report, District of North Vancouver
- Climate Action Toolkit: infrastructure sector, UBCM and the BC Ministry of Community Development.
- Greenhouse Gas Strategy for the Village at Fraser Mills

WATER, WASTE + INFRASTRUCTURE

- Rainwater Harvesting Study, Resort Municipality of Whistler
- Integrated Community Sustainability Plan: buildings and infrastructure contributions, City of Prince George
- Water Strategy and OCP contributions for the City of Dawson Creek

1998 – 2006

Senior Project Engineer,
Vision Envirotech,
Vancouver, BC

2001 – 2002

Senior Project Manager,
Soft Tracks Enterprises,
Richmond, BC

1995 – 1998

Researcher, Dept. of Chemical and
Bio-Resource Eng.,
University of British Columbia,
Vancouver, BC

1988 – 1995

Senior Systems Engineer,
MDI/Motorola,
Richmond, BC

- Environmental Strategic Plan: water and waste components, City of Port Coquitlam
- Gospel Rock Sustainability Strategy, Town of Gibsons
- Southlands design charrette infrastructure contributions
- Playbook for Green Buildings and Neighborhoods: Climate-Friendly Infrastructure Strategies, US Green Building Council
- ICS Planning for Infrastructure, Village of Harrison Hot Springs
- Infrastructure Planning Consulting for Al Gharbia, UAE

GREEN BUILDINGS

- Green Building Plan and Green Building Checklist, City of Edmonton
- Green Building and Technology Framework, Town of Cochrane, Alberta
- Kitsilano Neighbourhood House Redevelopment IDP Consulting, Vancouver, BC
- Net Zero Building Initiative, Regional District of Nanaimo
- Green Building Strategy for District Crossing, North Vancouver, BC
- Green Building Strategies for the BDL Warehouse, Port Coquitlam, BC
- Green Building Strategy for the Hudson, Victoria, BC

SUSTAINABILITY FRAMEWORKS

- Comox Valley Regional District Sustainability Strategy: buildings and infrastructure contributions
- Green Communities Incentive System, BC Ministry of Community Development
- Pearls Rating System contributions for Abu Dhabi