



**UBC Energy & Water Services**  
 6130 Agronomy Road, Vancouver, BC V6T 1Z3  
 Tel: (604) 822-9445 Fax: (604) 822-8833

# UTILITY SERVICE CONNECTION APPLICATION

**Part 1. INSTRUCTIONS**

- Application is required for any new or substantially modified connection to UBC's utility systems. There is no fee for this application.
- Fill in Part 2 for all requests. Fill in Parts 3 and/or 4 as applicable.
- **This Service Connection Application shall be considered approved when an authorized UBC Building Permit is obtained.**

**Part 2. REQUESTOR INFORMATION**

UBC Contract Administrator or UBC Project Manager

Project Manager, name & Dept. (e.g. C&CP DM, UBCPT Manager, UBC Plant Ops, Housing)		Telephone		
		Fax		
		Email		
Project Name/Title/Description		Project No.		
Gross Building Area (m2)		Date BOG Approval Obtained (month, year)		
Total Impervious Area (m2)				
Date Requested	# of residential units	Highest UBC Board of Governors Approval (Pre-board,1,2,3 or 4)		

**Part 3. MECHANICAL SERVICES: WATER, SANITARY, STORM, GAS, and DISTRICT HEATING**

**Part 3 (a). Water Distribution.** Water service to meet requirements of UBC Technical Guidelines Division 2, Section 02660.

Installation by (Contractor Company or UBC Department)		Telephone		
Primary Contact		Fax		
		Email		
Design by (Company)		Telephone		
Primary Contact		Fax		
		Email		
Drawings Attached? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Later	Net Incr in Water FU's	Any Flush Valves? (Yes/No)	Irrig. Flow (L/s)	Sprinkler & Hose Fire Flow Demand (L/s)
	Total Water FU's			Peak Domestic Water Consumption (L/s)
Temporary Water Service (e.g. for Construction Site) (Yes/No)		Note: temporary water connection service must come off service stub to project. For Temporary Water Connection Permit apply to EWS.		

**Part 3 (b). Storm Sewer and Sanitary Sewer: Consultant & Design Data**

Service to meet requirements of UBC Technical Guidelines Division 2: Section 02720 for Storm, and Section 02730 for Sanitary.

Design by (Company)		Telephone		
Primary Contact		Fax		
		Email		
Storm Drawings Attached? (Yes / No / Later)		Stormwater Control Plan Attached? (Yes / No / Later / Not Required)		
Lot Area (m <sup>2</sup> )	Total of roof horizontal projection area, 50% of largest vertical area adjacent to roof and paved area		Run-off coefficients	Predeveloped
				Postdeveloped
Time of concentration T <sub>c</sub> (min)	10 year rain-fall (mm/h)	Peak storm load (L/s)	Footing drain load (L/s)	Pumped storm load (L/s) <b>Note 1</b>
Sanitary Drawings Attached? (Yes / No / Later)	Net increase in sanitary FU's		Peak sanitary load (L/s)	Pumped sanitary load (L/s) <b>Note 1</b>
	Total sanitary FU's			
Any new or modified food preparation facilities?(Yes / No). If yes, then describe.		Any Biological, Chemical or Radioactive Wastes to be discharged to sanitary? (Yes / No). If yes, then describe.		

**Note 1:** Only under unique circumstances pumping into UBC network will be considered. A prior request for permission to pump into UBC network shall be submitted to UBC Energy & Water Services (see UBC Technical Guidelines, Section 02720, Clause 2.5.7 and Section 02730, Clause 2.5.6).

**Part 3 (c). Gas and District Heating**

- Service to meet requirements of UBC Technical Guidelines Div. 2, Section 02685 (gas) and Div. 15, Section 15004 (District Heating).

**Gas Distribution**

Contractor or UBC Dept (must have gas contractor license)		Telephone		
		Fax		
Contractor Primary Contact		Email		
Design by (Company)		Telephone		
		Fax		
Designer Primary Contact		Email		
Required overpressure to building downstream of meter (kPa)		Peak Gas Load based on all gas equipment in building (m <sup>3</sup> /hour)		Average or typical estimated yearly gas consumption (m <sup>3</sup> /year)
Sum of Nameplate Loads of all gas appliances (m <sup>3</sup> /hour)		Nameplate Load of the largest gas appliance (m <sup>3</sup> /hour)		Diversification Factor (%)

**District Heating**

- Cascade heat exchangers as per UBC Technical Guidelines
- Summer supply temperature = 70° C, winter peak supply temperature = 115° C.

Contractor or UBC Dept		Telephone		
		Fax		
Contractor Primary Contact		Email		
Design by (Company)		Telephone		
		Fax		
Designer Primary Contact		Email		
Peak design district heating load ( <b>bdg. heating</b> ) based on all equipment in building (kW)		Average or typical estimated yearly district heating consumption (kW/year)		
Peak design district heating load ( <b>domestic hot water</b> ) based on all equipment in building (kW)				

- **Fax or mail request to UBC EWS (address & telephone at top of 1<sup>st</sup> pg) to attention of Manager, Mechanical Utilities.**
- Campus Planning & Development additionally requires a Plumbing Permit for any modification or connection to water distribution, sanitary sewer, or storm sewer as per B.C. Building Code (Plumbing). Contact C&CP Regulatory Services at (604) 822-8228.
- B.C Gas/Boiler Safety Branch (Act) required permits and inspections are the responsibility of the project team.

**Part 4. ELECTRICAL SERVICE**

Contractor or UBC Dept (must have electric contractor license)		Telephone		
		Fax		
Contractor Primary Contact		Email		
Electrical Design by (Company)		Telephone		
		Fax		
Designer Primary Contact		Email		
<b>Connected Load</b>		<b>Demand Load:</b>		Planned Permanent Service Connection Date (month/year)
	kVA		kVA	
	kW		kW	Planned Temporary Service Connection Date (month/year)
	Phase	If Yes, attached requirements. Temporary Service Required? (Yes / No)		
	Wire			
	Voltage			

- B.C Electrical Safety Branch (Act) required permits and inspections are the responsibility of the project team.
- Electrical service to meet requirements of UBC Technical Guidelines Division 2, Section 02800.
- **Fax or mail request to UBC EWS (address & telephone above) to attention of Electrical Technical Specialist.**