



Residential Hydraulic Load Calculation

**Main Suite**

| Fixture Type                               | Hydraulic Load | Quantity | Hydraulic Load |
|--|----------------|----------|----------------|
| Toilet                                     | 2.2            |          |                |
| Bathroom Sink                              | 0.7            |          |                |
| Bathtub / Shower                           | 1.4            |          |                |
| Kitchen Sink                               | 2.0            |          |                |
| Dish Washer                                | 1.4            |          |                |
| Clothes Washer                             | 1.4            |          |                |
| Laundry Tub                                | 1.4            |          |                |
| Hose Bibb                                  | 2.5            |          |                |
| <b>Main Suite Hydraulic Load Total (A)</b> |                |          |                |

**Second Suite**

| Fixture Type                                 | Hydraulic Load | Quantity | Hydraulic Load |
|--|----------------|----------|----------------|
| Toilet                                       | 2.2            |          |                |
| Bathroom Sink                                | 0.7            |          |                |
| Bathtub / Shower                             | 1.4            |          |                |
| Kitchen Sink                                 | 2.0            |          |                |
| Dish Washer                                  | 1.4            |          |                |
| Clothes Washer                               | 1.4            |          |                |
| Laundry Tub                                  | 1.4            |          |                |
| Hose Bibb                                    | 2.5            |          |                |
| <b>Second Suite Hydraulic Load Total (B)</b> |                |          |                |

**Secondary Dwelling**

| Fixture Type                                       | Hydraulic Load | Quantity | Hydraulic Load |
|--|----------------|----------|----------------|
| Toilet   | 2.2            |          |                |
| Bathroom Sink                                      | 0.7            |          |                |
| Bathtub / Shower                                   | 1.4            |          |                |
| Kitchen Sink                                       | 2.0            |          |                |
| Dish Washer  | 1.4            |          |                |
| Clothes Washer                                     | 1.4            |          |                |
| Laundry Tub  | 1.4            |          |                |
| Hose Bibb  | 2.5            |          |                |
| <b>Secondary Dwelling Hydraulic Load Total (C)</b> |                |          |                |

**Notes:**

- Tables are for reference only. Quantities provided will be verified by City staff to determine compliance with the Ontario Building Code.
- For a House containing only one dwelling unit maximum hydraulic load for 3/4" supply line is 26 fixture units.
- Maximum hydraulic load for a building containing **Multiple Dwellings**:
  - 16 fixture units for 3/4" supply line
  - 31 fixture units for 1" supply line
  - 57 fixture units for 1-1/4" supply line