

CALCULATION OF WATER USE FEES FOR
POWER
UNDERTAKINGS

The following has been developed by the Water Board Secretariat as examples of fee calculations to assist you.

When you apply for a water use licence, you are required to pay your first year's water-use fee as part of your application.

1. Referring to Schedule 2 of the *Waters Regulation*, **determine your "class"** of authorized production:

Class 0 is 150 or fewer kilowatts

Class 1 is more than 150 kW but less than 5000 kW

Class 2 is 5,000 or more kilowatts but less than 10,000 kW

Class 3 is 10,000 or more kilowatts but less than 20,000 kW

Class 4 is 20,000 or more kilowatts but less than 50,000 kW

Class 5 is 50,000 or more kilowatts but less than 100,000 kW

Class 6 is 100,000 or more kilowatts

2. Now that you know your "class" of authorized production, you can determine how much you owe. For Class 0 – 5:

Class 0 = **\$0.00**

Class 1 = **\$1,500.00**

Class 2 = **\$4,000.00**

Class 3 = **\$10,000.00**

Class 4 = **\$30,000.00**

Class 5 = **\$80,000.00**

3. **For a Class 6** authorized production you need to calculate your fee. For example, if your total usage is 160,000 kW, the water-use fee is calculated as follows:

Step One

(First 100,000 kW of authorized production):

100,000 kW = **\$90,000.00**

160,000 kW – 100,000 kW = 60,000 kW

Step Two

As shown in step one, the water use fee is \$90,000 for the first 100,000 kW of authorized production. The remainder is calculated at \$1,000.00 for each 1,000 kW of authorized production in excess of 100,000 kW. For this example, the water use for the remaining 60,000 kW is calculated as follows:

$$60,000 \text{ kW} \div 1,000 \text{ kW} = 60, \text{ multiplied by } \$1,000 = \mathbf{\$60,000.00}$$

Step Three

Add Steps One and Two:

$$\$90,000.00 + \$60,000.00 = \mathbf{\text{Total of } \$150,000.00} \text{ owing for water-use fees.}$$

Conversions

$$\begin{aligned} 1 \text{ BTU/hour} &= 0.0002928104 \text{ kilowatts} \\ 1 \text{ BTU/minute} &= 0.01756863 \text{ kilowatts} \\ 1 \text{ BTU/second} &= 1.054118 \text{ kilowatts} \\ 1 \text{ Calorie/second} &= 0.004183076 \text{ kilowatts} \\ 1 \text{ horsepower} &= 0.7456999 \text{ kilowatts} \\ 1 \text{ megawatts} &= 1000 \text{ kilowatts} \\ 1 \text{ watt} &= 0.001 \text{ kilowatts} \end{aligned}$$

You are welcome to contact the Yukon Water Board Secretariat at (867) 456-3980 (collect) should you require assistance in calculating your water-use fees.

Note: The calculation of water-use fees is regulated under Section 8(1)(d) of the *Waters Regulation*.