

# BMS Blivet - Sewage Treatment Systems

## Estimated Annual Operation & Maintenance

May 2007

Estimated annual cost to operate each unit based on the following:

1. De-sludging 3 times per year at cost of 45¢ per gallon (10¢ per litre).

*Note: As smaller units have lower sludge volumes per service, there may be a minimum charge for the vacuum truck, which is not reflected in the amounts below.*

2. Electricity at 9¢ per kilowatt-hour.

3. Grease bearings (B) and couplers (C) each de-sludge at \$5 per each bearing and coupler.

4. Change gear oil every third de-sludge (annual).

5. Visual inspection of unit monthly, which could be incidental to the Town employee's regular duties.

<b>Estimated Annual Costs</b>							
<b>Unit</b>	<b>Motor Size</b>	<b>Electricity</b>	<b>De-sludge</b>	<b>Grease</b>	<b>Oil Change</b>	<b>Total</b>	<b>Allow</b>
<b>BL 300</b>	1ph. 0.37kw 3ph. 0.37kw (½ hp)	\$292	\$111	\$45 (2B;1C)	\$100	\$548	<b>\$600</b>
<b>BL 500</b>	1ph. 0.37kw 3ph. 0.37kw (½ hp)	\$292	\$277	\$45 (2B;1C)	\$100	\$714	<b>\$750</b>
<b>BL 1000</b>	1ph. 0.37kw 3ph. 0.37kw (½ hp)	\$292	\$554	\$45 (2B;1C)	\$100	\$991	<b>\$1,100</b>
<b>BL 1500</b>	1ph. 0.37kw 3ph. 0.55kw (½ hp / ¾hp)	\$434	\$831	\$90 (4B;2C)	\$120	\$1,475	<b>\$1,600</b>
<b>BL 2000</b>	1ph. 0.55kw 3ph. 0.55kw (¾ hp)	\$434	\$1,100	\$90 (4B;2C)	\$120	\$1,744	<b>\$1,800</b>
<b>BL 3000</b>	1ph. 0.75kw 3ph. 0.75kw (¾ hp)	\$592	\$1,377	\$135 (6B;3C)	\$150	\$2,254	<b>\$2,300</b>
<b>BL 3500</b>	1ph. 0.75kw 3ph. 0.75kw (1 hp)	\$592	\$1,803	\$135 (6B;3C)	\$150	\$2,680	<b>\$2,750</b>
<b>BL 4000</b>	1ph. 1.1kw 3ph. 1.1kw (1.5hp)	\$868	\$2,204	\$135 (6B;3C)	\$150	\$3,357	<b>\$3,400</b>