## Sunflower Village Water Utility Future Rate Increase Exercise

Budget Category	Year 1	Year 2	Year 3
Total Revenue Requirements			
Total Revenues	\$590,000		
Revenue Surplus (Deficiency)	(\$15,000)		
% Revenue Increase Needed to	2.54%		
Cover Costs			

**Instructions:** Use the *Village of Sunflower Stats Sheet* and answer the questions below to fill in the table above.

- 1. Use the numbers from the forecast exercise to populate the *Total Revenue Requirements* row above (Hint: Use number from Total Expenses).
- 2. Assume no change in the *total water metered* and *number of accounts* and use the new charges from the *Base/Volume Charge Exercise* (problems 1 and 2) to fill in Year 2's total revenues.
- 3. Assume that in Year 3 the *total water metered* decreases by 5% and the *number of accounts* decreases by 2%. Using your new base/volume charges from the *Base/Volume Charge Exercise* (problems 1 and 2), calculate the total revenues for Year 3.

Annual volume charge revenue = Volume charge X (Total Water Metered/1,000) **Hint: Total Revenue =**+

Annual base charge revenue = Number of accounts X (Base charge X 12 months)

Budget Category	Year 1	Year 2	Year 3
Total Revenue Requirements	\$605,000	\$618,480	\$648,296
Total Revenues	\$590,000	\$590,056	\$569,256
Revenue Surplus (Deficiency)	(\$15,000)	(\$28,424)	(\$79,040)
% Revenue Increase Needed to	2.54%	4.81%	13.88%
Cover Costs			

**Instructions:** Use the *Village of Sunflower Stats Sheet* and answer the questions below to fill in the table above.

- 1. Use the numbers from the forecast exercise to populate the *Total Revenue Requirements* row above (Hint: Use number from Total Expenses).
- 2. Assume no change in the *total water metered* and *number of accounts* and use the new charges from the *Base/Volume Charge Exercise* (problems 1 and 2) to fill in Year 2's total revenues.

3. Assume that in Year 3 the *total water metered* decreases by 5% and the *number of accounts* decreases by 2%. Using your new base/volume charges from the *Base/Volume Charge Exercise* (problems 1 and 2), calculate the total revenues for Year 3.

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Vol. charge ($2.28) X (Water metered [133,000,000 / 1,000) = $303,240 X 0.94 collected = $285,047
PLUS

Number of accounts (980) X (Base charge [$25.71] X 12 months) = $302,350 X 0.94 collected = $284,209

Total revenue = $569,256
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