

# Town of Milton

115 Federal St  
Milton, DE 19968



[www.ci.milton.de.us](http://www.ci.milton.de.us)

Phone: 302-684-4110

Fax: 302-684-8999

## A BETTER ACCOUNTING OF WATER USE MAY 7, 2012

### Contributing Factors to Un-Metered Water

Date	Description	Est. Un-Metered Gallons
March 24, 2012	Shipbuilders Tower drain & refill for maintenance	65,000
March 25 & 30, 2012	Flushing Fire Hydrants	15,000
March 28, 2012	Rt. 88 Service line leak (over a two month period)	270,000
March 26 – 30, 2012	Hydrant at boat basin	15,000
April 11, 2012	Rt. 88 Service line leak	6,000
April 17, 2012	115 Broadkill Road leak	175,000
April 18, 2012	205 Union Street leak	4,500
April 25, 2012	Flushing fire hydrants (Wagamons West Shores)	7,500
Various dates	Flushing hydrants on Atlantic and Chestnut Streets	383,000
Quarterly use	Estimate of unmetered fire house use	50,000
Total		1,099,000

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### Conservation Measures

Address	Size of Meter Installed	Est. Increase of Accuracy
512 Federal Street (March)	3"	78,000 gallons per qtr.
Union St. clock tower (March)	5/8"	25,000 gal./qtr (annual estimate)
113 Union Street (March)	5/8"	1650 gal./qtr.
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Total Increase in the accuracy of metering		687,980 gallons per quarter

### Leak Detection

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Walnut St. (Atl. - .05 N of Front St.)	.27 mi.	Waples Place (Orchard – Orchard)	.05 mi.
Union St & Federal St.	North limit to south limit	(state-owned road)	2.43 mi.
Total (all targeted streets)	6.84 miles	@ .5 hrs per .1 miles = 34.2 hours (best estimate)	Equipment rental rate @ \$850/day x 5 days = \$4,250

### Surveys Distributed

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Various dates	Flushing hydrants on Atlantic and Chestnut Streets	383,000
Quarterly use	Estimate of unmetered fire house use	50,000
Total		1,099,000

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### Contributing Factors to Un-Metered Water

Date	Description	Est. Un-Metered Gallons
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Quarterly use	Estimate of unmetered fire house use	50,000
Total		1,099,000

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Total		1,099,000

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Atlantic Ave (east of Union)	.53 mi.	Bennett St (N of Holland)	.11 mi.
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Chandler (Union – end)	.18 mi.	Chestnut (New – Road St.)	.53 mi.
Collins St. (Coulter – Front)	.15 mi.	Coulter St. (Collins – Fed.)	.21 mi.
Front St. (Chestnut – Fed)	.05 mi.	Hazzard Ave. (Atlntc – Bay)	.11 mi.
Hazzard Lane (Chest – Fed)	.07 mi.	Holland (Palmer – Bennett)	.10 mi.
Lake Drive (Mulb – Carey)	.12 mi.	Lavinia St (west of Mulb)	.33 mi.
Magnolia St (Union – Mulb)	.13 mi.	Marshall (north of Federal)	.10 mi.
Mill St (Federal – Collins)	.21 mi.	Morris Ave (north of Union)	.16 mi.
New St. (Chestnut – Fed)	.10 mi.	Orchard St. (Union to .18 mi. east of Mulberry)	.33 mi.
Reed St. (Broad – Clifton)	.13 mi.	Reed St. (Clifton – Reed)	.05 mi.
Sand St. (Federal – Chest.)	.08 mi.	Tilney St. (Mulb – Union)	.12 mi.
Walnut St. (Atl. - .05 N of Front St.)	.27 mi.	Waples Place (Orchard – Orchard)	.05 mi.
Union St & Federal St.	North limit to south limit	(state-owned road)	2.43 mi.
Total (all targeted streets)	6.84 miles	@ .5 hrs per .1 miles = 34.2 hours (best estimate)	Equipment rental rate @ \$850/day x 5 days = \$4,250

### Surveys Distributed

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### Water Facilities Master Plan

More research into the proposed Water System Improvements detailed by CABA associates prior to the referendum revealed that this design was, with very little changes, exactly what the Milton Town Council unanimously approved in 2008 as the Water Facilities Master Plan. It later became an integral part of the Comprehensive Plan. The upcoming Planning Study *is not funded* to the extent necessary for a complete “makeover”. The selected engineering firm should be able to validate certain findings and to amend others, though. The study will take approximately three months to complete. A public hearing is part of the process. Work should begin by the end of this month.

# Town of Milton

115 Federal St  
Milton, DE 19968



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## A BETTER ACCOUNTING OF WATER USE MAY 7, 2012

### Contributing Factors to Un-Metered Water

Date	Description	Est. Un-Metered Gallons
March 24, 2012	Shipbuilders Tower drain & refill for maintenance	65,000
March 25 & 30, 2012	Flushing Fire Hydrants	15,000
March 28, 2012	Rt. 88 Service line leak (over a two month period)	270,000
March 26 – 30, 2012	Hydrant at boat basin	15,000
April 11, 2012	Rt. 88 Service line leak	6,000
April 17, 2012	115 Broadkill Road leak	175,000
April 18, 2012	205 Union Street leak	4,500
April 25, 2012	Flushing fire hydrants (Wagamons West Shores)	7,500
Various dates	Flushing hydrants on Atlantic and Chestnut Streets	383,000
Quarterly use	Estimate of unmetered fire house use	50,000
Total		1,099,000

*Town of Milton customers (residential or commercial) that experience a leak on their property may appeal their bill. Proof of repair service is required. The billing for the period during the event is adjusted to be the equivalent of the average of the four prior periods. The estimate of gallons deducted from bills that were appealed during the last period is 41,830 gallons.*

### Conservation Measures

Address	Size of Meter Installed	Est. Increase of Accuracy
512 Federal Street (March)	3"	78,000 gallons per qtr.
Union St. clock tower (March)	5/8"	25,000 gal./qtr (annual estimate)
113 Union Street (March)	5/8"	1650 gal./qtr.
511 Hazzard Street (March)	5/8"	1650 gal./qtr.
411 Hazzard Street (March)	5/8"	1650 gal./qtr.
212 Atlantic Street (April)	5/8"	1650 gal./qtr.
205 Carey Street (April)	5/8"	1650 gal. qtr.
Milton Landing (May) - project complete	4 meters, 2" each Est. increase 55,000 gal/qtr each	220,000 gal./qtr. (combined)
Luther Gardens (May) - project not complete	10 meters, 2" each Est. increase 3,600 gal/qtr each	360,000 gal./qtr (combined)
Total Increase in the accuracy of metering		687,980 gallons per quarter

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