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International Water Association - American Water Works Association Standard Water Balance for the Philadelphia Water Department - Fiscal Year 2016						
Volumes reported in million gallons for the reporting year; and average million gallons per day, mgd in italic						
Own Sources  80,746.9 220.6	System Input  81,464.3 223.2	Water Exported 547.5 1.5	Water Exported 547.5 1.5	Water Exported 547.5 1.5	Water Exported 547.5 1.5	Billed Water Exported 547.5 1.5
		Water Supplied  80,916.8 221.7	Authorized Consumption  49,333.6 135.2	Billed Authorized Consumption  47,986.4 131.5	Revenue Water  47,986.4 131.5	Billed Metered Consumption  47,986.4 131.5
						Billed Unmetered Consumption 0.0 0.0
			Water Losses  31,583.2 86.5	Unbilled Authorized Consumption 1,347.2 3.7	Non-revenue Water  32,930.4 90.2	Unbilled Metered Consumption 0.0 0.0
				Apparent Losses  5,724.1 15.7		Unbilled Unmetered Consumption 1,347.2 3.7
			Real Losses 25,859.1 70.8			Customer Metering Inaccuracies 2,115.2 5.8
						Unauthorized Consumption 2,357.3 6.5
						Systematic Data Handling Error 1,251.7 3.4
						Leakage on Mains 10,902.8 29.9
						Leakage and Overflows at Storages 0.0 0.0
						Leakage on Service Connections up to the point of customer metering 14,956.3 41.0
- Correction -940.6 -2.6	Water Imported 0					

Definitions of Terms
<b>OWN SOURCES:</b> the volume of water input to a water distribution system from the water supplier's own sources
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<b>SYSTEM INPUT :</b> the volume input to that part of the water supply system to which the water balance calculation relates, allowing for known errors. Equal to OWN SOURCES + WATER IMPORTED +/- CORRECTION for production meter error
<b>WATER SUPPLIED:</b> SYSTEM INPUT minus WATER EXPORTED
<b>AUTHORIZED CONSUMPTION:</b> volume of metered and/or unmetered water taken by registered customers, the water supplier and others who are implicitly or explicitly authorized to do so by the water supplier, for residential, commercial and industrial purposes. Note: Authorized consumption may include items such as fire fighting and training, flushing of mains and sewers, street cleaning, watering of municipal gardens, public fountains, frost protection, building water, etc. These may be billed or unbilled, metered or unmetered
<b>WATER LOSSES:</b> the difference between SYSTEM INPUT and AUTHORIZED CONSUMPTION. Water losses can be considered as a total volume for the whole system, or for partial systems such as raw water mains, transmission or distribution systems, or individual zones
<b>APPARENT LOSSES:</b> includes all types of inaccuracies associated with customer metering, systematic error or manipulation of consumption data in billing and accounting systems, plus unauthorized consumption (theft or illegal consumption).
<b>REAL LOSSES:</b> physical water losses from the pressurized system, up to the point of measurement of customer consumption. The annual volume lost through all types of leaks, breaks and overflows depends on frequencies, flow rates, and average duration of individual leaks, breaks and overflows
<b>REVENUE WATER:</b> those components of SYSTEM INPUT which are billed and produce revenue (also known as BILLED AUTHORIZED CONSUMPTION). Equal to BILLED WATER EXPORTED, BILLED METERED CONSUMPTION and BILLED UNMETERED CONSUMPTION
<b>NON- REVENUE WATER:</b> those components of SYSTEM INPUT which are not billed and do not produce revenue. Equal to UNBILLED AUTHORIZED CONSUMPTION, APPARENT LOSSES and REAL LOSSES
<b>UNBILLED AUTHORIZED CONSUMPTION:</b> those components of AUTHORIZED CONSUMPTION which are not billed and do not produce revenue. Equal to UNBILLED METERED CONSUMPTION and UNBILLED UNMETERED CONSUMPTION

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Volumes reported in million gallons for the reporting year; and average million gallons per day, mgd in italic						
Own Sources  83,159.7 227.8	System Input  84,224.1 230.8	Water Exported 949.0 2.6	Water Exported 949.0 2.6	Water Exported 949.0 2.6	Water Exported 949.0 2.6	Billed Water Exported 949.0 2.6
		Water Supplied  83,275.1 228.2	Authorized Consumption  50,215.5 137.6	Billed Authorized Consumption  48,891.3 133.9	Revenue Water  48,891.3 133.9	Billed Metered Consumption  48,891.3 133.9
						Billed Unmetered Consumption 0.0 0.0
						Unbilled Metered Consumption 0.0 0.0
			Water Losses  33,059.6 90.6	Unbilled Authorized Consumption  1,324.2 3.6	Non-revenue Water  34,383.8 94.2	Unbilled Unmetered Consumption 1,324.2 3.6
						Customer Metering Inaccuracies 2,085.9 5.7
				Real Losses  27,135.5 74.3		Unauthorized Consumption 2,060.3 5.6
						Systematic Data Handling Error 1,777.8 4.9
						Leakage on Mains 11,745.2 32.2
						Leakage and Overflows at Storages 0.0 0.0
			- Correction  -1,064.4 -2.9	Water Imported  0	Leakage on Service Connections up to the point of customer metering 15,390.3 42.2	

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International Water Association - American Water Works Association Standard Water Balance for the Philadelphia Water Department - Fiscal Year 2014						
Volumes reported in million gallons for the reporting year; and average million gallons per day, mgd in italic						
Own Sources  87,360.3 239.3	System Input  87,383.0 239.4	Water Exported 5,329.0 14.6	Water Exported 5,329.0 14.6	Water Exported 5,329.0 14.6	Water Exported 5,329.0 14.6	Billed Water Exported 5,329.0 14.6
		Water Supplied  82,054.0 224.8	Authorized Consumption  49,724.4 136.2	Billed Authorized Consumption  48,384.9 132.6	Revenue Water  48,384.9 132.6	Billed Metered Consumption  48,384.9 132.6
				Unbilled Authorized Consumption  1,339.5 3.7	Non-revenue Water  33,669.1 92.2	Billed Unmetered Consumption 0.0 0.0
						Unbilled Metered Consumption 0.0 0.0
		Unbilled Unmetered Consumption 1,339.5 3.7				
		Customer Metering Inaccuracies 1,453.6 4.0				
		Unauthorized Consumption 1,886.5 5.2				
		Systematic Data Handling Error 3,654.3 10.0				
		Leakage on Mains 11,529.9 31.6				
		Leakage and Overflows at Storages 0.0 0.0				
- Correction -22.7 -0.1	Water Imported 0			Leakage on Service Connections up to the point of customer metering 13,805.3 37.8		

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Own Sources  87,964.5 241.0	System Input  86,998.1 238.4	Water Exported 5,219.5 14.3	Water Exported 5,219.5 14.3	Water Exported 5,219.5 14.3	Water Exported 5,219.5 14.3	Billed Water Exported 5,219.5 14.3
		Water Supplied  81,778.6 224.1	Authorized Consumption  52,238.5 143.1	Billed Authorized Consumption  50,279.4 137.8	Revenue Water  50,279.4 137.8	Billed Metered Consumption  50,279.4 137.8
				Unbilled Authorized Consumption  1,959.0 5.4	Non-revenue Water  31,499.2 86.3	Billed Unmetered Consumption 0.0 0.0
			Unbilled Metered Consumption 0.0 0.0			
		Water Losses  29,540.1 80.9	Apparent Losses  7,494.9 20.5	Unbilled Unmetered Consumption 1,959.0 5.4		
				Customer Metering Inaccuracies 1,490.2 4.1		
			Real Losses  22,045.2 60.4	Unauthorized Consumption 2,425.5 6.6		
				Systematic Data Handling Error 3,579.3 9.8		
				Leakage on Mains 10,143.0 27.8		
	- Correction -966.4 -2.6	Water Imported 0	Leakage and Overflows at Storages 0.0 0.0			
				Leakage on Service Connections up to the point of customer metering 11,902.3 32.6		

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Volumes reported in million gallons for the reporting year; and average million gallons per day, mgd in italic							
Own Sources  88,015.8 240.5	System Input  86,795.8 237.1	Water Exported 6,258.6 17.1	Water Exported 6,258.6 17.1	Water Exported 6,258.6 17.1	Water Exported 6,258.6 17.1	Billed Water Exported 6,258.6 17.1	
		Water Supplied  80,537.2 220.0	Authorized Consumption  50,790.8 138.8	Billed Authorized Consumption  49,593.0 135.5	Revenue Water  49,593.0 135.5	Billed Metered Consumption  49,593.0 135.5	
				Unbilled Authorized Consumption  1,197.8 3.3	Non-revenue Water  30,944.2 84.6	Billed Unmetered Consumption 0.0 0.0	
						Unbilled Metered Consumption 0.0 0.0	
		Water Losses  29,746.4 81.3	Apparent Losses  7,818.3 21.4	Real Losses  21,928.1 60.0		Unbilled Unmetered Consumption 1,197.8 3.3	
						Customer Metering Inaccuracies 1,360.0 3.7	
						Unauthorized Consumption 2,712.2 7.4	
						Systematic Data Handling Error 3,746.1 10.2	
						Leakage on Mains 9,978.4 27.3	
						Leakage and Overflows at Storages 0.0 0.0	
Leakage on Service Connections up to the point of customer metering 11,949.6 32.6							
- Correction -1,220.0 -3.3	Water Imported 0						

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