



# HAMPTON SHALER WATER AUTHORITY

PO BOX 66  
3101 McCULLY RD  
ALLISON PARK, PA 15101

412-486-4867  
FAX 412-486-4345  
[www.hswa-pa.org](http://www.hswa-pa.org)

## RESOLUTION NO. 2025-03-24

### **RESOLUTION OF THE HAMPTON SHALER WATER AUTHORITY ("AUTHORITY") AUTHORIZING THE ADOPTION OF THE ACT 57 OF 2003 RECALCULATION OF THE MAXIMUM TAP IN FEES; TO ESTABLISH THE FEES TO BE COLLECTED BASED ON METER SIZE; AND SET THE EFFECTIVE DATE OF THE FEE STRUCTURE**

**WHEREAS**, Hampton Shaler Water Authority is a corporate and politic body, organized and existing under the Commonwealth of Pennsylvania Municipal Authorities Act of 1945, as amended, and maintains its principal place of business at 3101 McCulley Road, PO Box 66, Allison Park PA 15101; and

**WHEREAS**, the Commonwealth's enactment of Act 57 of 2003 amends the Municipal Authorities Act by redefining the methodology for calculating certain sections of tapping fee components; and

**WHEREAS**, said connections and tapping charges are imposed upon applicants for service who and or which connect their plumbing system to the Authority's water system; and

**WHEREAS**, the Hampton Shaler Water Authority desires to comply with the mandates and requirements of act 57 of 2003; and

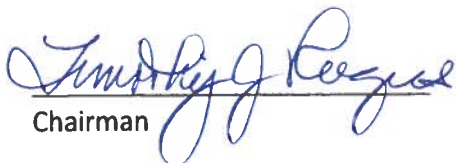
#### **NOW, THEREFORE, BE IT RESOLVED** by the Authority as follows:

1. TO ADOPT the act 57 of 2003 cap report to be referenced as the report as prepared by KLH engineers with its principal place of business Pittsburgh PA which report will become part of this resolution and is hereby incorporated by reference and should become a part hereof
2. TO ADOPT sixty-five (65) percent of the maximum allowable tap fees as established by the report
3. TO ESTABLISH the effective date of this Resolution to be April 1, 2025

**RESOLVED on this the 24<sup>th</sup> day of March, 2025**

ATTEST:

HAMPTON SHALER WATER AUTHORITY

  
Chairman

  
Secretary



New Water Service Tapping Fees										
Meter Size	5/8"	3/4"	Res. Fire 1"	1"	1-1/2"	2"	3"	4"	6"	8"
Safe Operating Flow	20	30	50	50	100	160	320	500	1000	1600
Equivalent Meter Ratio	1.0	1.5	2.5	2.5	5.0	8.0	16	25	50	80
Connection Component <sup>1,2</sup>	\$ 1,430.00	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Customer Facility Component <sup>3</sup>	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Capacity Component	\$ 812.50	\$ 1,218.75	\$ 2,031.25	\$ 2,031.25	\$ 4,062.50	\$ 6,500.00	\$ 13,000.00	\$ 20,312.50	\$ 40,625.00	\$ 65,000.00
Distribution Component	\$ 1,287.00	\$ 1,930.50	\$ -	\$ 3,217.50	\$ 6,435.00	\$ 10,296.00	\$ 20,592.00	\$ 32,175.00	\$ 64,350.00	\$ 102,960.00
Special Purpose Part <sup>4</sup>	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Fee Subtotal <sup>1,2,3,4</sup>	\$ 3,529.50	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)

<b>Effective</b> <b>4/1/2025</b> <b>65%</b>	<sup>1</sup> Connection Fee based upon actual construction cost <sup>2</sup> Hardscape restoration costs added to Connection Fee <sup>3</sup> Customer Fee based upon actual meter cost <sup>4</sup> Areas of West Deer are subject to a \$1,300 Special Component Fee <sup>5</sup> Total cost will be determined at completion of new service construction

Developer Note: Water Main must be constructed / accepted prior to issuance of tap permits



# **HAMPTON SHALER WATER AUTHORITY**

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**Tapping Fee Calculations**

**February 2025**

**Adopted March 24, 2025**

**KLH**

**ENGINEERS, INC**  
**5173 CAMPBELLS RUN ROAD**  
**PITTSBURGH, PA 15205-9733**

# **HAMPTON SHALER WATER AUTHORITY**

## **Tapping Fee Calculations**

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# HAMPTON SHALER WATER AUTHORITY

## Tapping Fee Calculations

### **INTRODUCTION**

In accordance with the Pennsylvania Municipality Authorities Act, 53 Pa. C.S. Ch. 56, as amended, §5607 (d)(24), which establishes the power of operating authorities in the Commonwealth of Pennsylvania to establish water tapping fees, the Hampton Shaler Water Authority (HSWA) has engaged KLH Engineers to update its current tap fee calculations. While Shaler Township and the Hampton Township Municipal Authority had previously completed these calculations individually, this is the first time that a formal calculation was completed for the HSWA as a combined Authority.

### **1.0 COMPONENTS OF THE FEE**

The following is a list of the component fees the Authority is permitted to include in their tap fee calculation:

- A. Connection Fee: The cost of the connection from the water main to the property line.
  - 1. Based upon the actual cost of the connection or an average cost of similar previously installed connections.
  - 2. Authority may require the property owner to construct the facilities.
- B. Customer Facilities Fee: The cost of facilities from the property line to the building.
  - 1. Based upon the actual cost of the facility and can only be charged if the Authority installs the facilities.
  - 2. Authority may require the property owner to construct the facilities.
- C. Tapping Fee: The cost of the following four items:
  - 1. Capacity Part: Includes the cost of the capacity related facilities, i.e., treatment, supply, pumping, transmission, interconnection or other general system facilities. The cost shall be determined by one of the following two methods:

a) Existing Facilities

- 1) A facility contributed to the Authority or portions of facilities (other than tapping fees) paid for with contributions, grants or assessments cannot be included in the cost bases.
- 2) The cost shall be based upon historical cost trended to current cost using published cost indexes or upon historical cost, plus interest and other financing fees paid on debt financing such facilities.
- 3) If historical costs are not ascertainable, costs may be based on an Engineer's reasonable written estimate of current replacement cost.
  - The estimate must be based upon and include an itemized list of the components of the actual facilities for which historical costs are not ascertainable.
- 4) Outstanding debt must be subtracted from the cost except if the debt is for facilities that only serve new customers.
- 5) For tapping fees or fee components initially serving exclusively new customers, the Authority may (no more frequently than annually), without updating the historical cost of or subtracting the outstanding debt related to such facilities, increase the tapping fee by an amount calculated by multiplying the tapping fee by the weighted average interest rate on the debt related to such facility.

b) Facilities to Be Constructed

- 1) Cost must not exceed a reasonable estimated construction cost.
- 2) Cost must be part of an adopted annual budget or a five-year capital improvement plan.
- 3) The Authority must have taken at least two of the following actions towards construction of the facilities:



- Obtain financing.
  - Entered into a contract for construction.
  - Obtained a permit for the facilities.
  - Obtained title to or condemned additional real estate upon which the facilities will be constructed.
  - Entered into a contract to purchase or acquire facilities owned by others.
  - Prepared an engineering feasibility study, which recommends construction within five years.
  - Entered into a design or construction contract or adopted a budget which includes the use of in-house resources for the design or construction of the facilities.
2. Distribution Part: The costs are calculated in the same manner as in the Capacity Part. Costs include facilities that distribute flows, i.e., distribution mains and some pumping stations.
3. Special Purpose Part: The special purpose fee applies to a facility constructed specifically to serve only a certain group of customers, i.e., booster pumping stations and fire service facilities. This fee is calculated separately for each group of customers, in the same way as the above-mentioned components.

Note that the Hampton Township Municipal Authority created a Special Purpose Tap Fee District to complete a water system construction project in West Deer Township consisting of 29,850 LF of Authority constructed water main. The Special Purpose Component (\$1,300) was adopted by Resolution in May 2008. The total collected under this fee cannot exceed \$1,280,000

4. Reimbursement Part: This fee recaptures the allowable portion of the cost of facilities to reimburse Developers that construct facilities at their own cost.

## **2.0 LIMITATIONS IN CALCULATING THE FEE**

The following limitations apply when calculating the fee:

- A. Cost can only be included in one part of the fee.

- B. No cost can be added to the fee for expanding, replacing, updating, or upgrading facilities that serve existing customers to meet stricter efficiency, environmental, regulatory, safety standards or to provide better service to, or meet the needs of, existing customers.
- C. No cost can be added to the fee for maintenance and operation expenses.
- D. The design capacity required by a new residential customer used in calculating the tapping fee shall not exceed an amount established by multiplying 90 gallons per capita per day times the average number of persons per household as established by the most recent census data provided by the U.S. Census Bureau.
  - 1. If the Authority's service area is entirely within a municipal boundary for which there is corresponding census data, the average number of persons per household within the municipality shall be used as established by the most recent census data provided by the Census Bureau.
  - 2. If the Authority's service area is not entirely within a municipal boundary but is entirely within a county or other geographical area within Pennsylvania for which the Census Bureau has provided the average number of persons per household within the County, then this figure shall be used as established by the most recent census data provided by the Census Bureau.
  - 3. If the Authority's service area is not entirely within a municipal, county, or other Geographic area, then the Pennsylvania average number of persons per household shall be used as established by the most recent census data provided by the Census Bureau.
- E. Alternatively, the design capacity required for a new residential customer shall be determined by one of the following methods:
  - 1. The average residential water consumption per residential customer plus ten percent.
    - a) The average residential water consumption shall be determined by dividing the total water consumption for all metered residential customers over at least a twelve-consecutive-month period, within the most recent five years, by the average number of customers during the period.
- F. The Authority may use lower design capacity requirements and impose lower tapping fees for multi-family residential dwellings than imposed on other types of residential customers.

G. Separate accounting for future facility costs:

1. Any fees collected which, based on facilities to be constructed or acquired in the future, shall be separately accounted for, and shall be expended only for that particular facility or a substitute facility accomplishing the same purpose which is commenced within the same period.
2. Such accounting shall include, but not be limited to:
  - a) The total fees collected.
  - b) The source of the fees collected.
  - c) The amount of fees expended on specific facilities.
3. The proportionate share of tapping fees based upon facilities to be constructed or acquired in the future shall be refunded within 90 days of the occurrence of the following:
  - a) The Authority abandons its plan, or a part thereof, to construct or acquire a facility or facilities which are the basis for such a fee.
  - b) The facilities have not been placed into service within seven (7) years.
  - c) Where a facility provides service to five (5) or more municipalities, the facilities have not been placed into service within fifteen (15) years or after adoption of a resolution.
    - 1) Any refund of fees held for fifteen (15) years shall include interest for the period the money was held.

H. The fee must be adopted or revised at a public meeting with the detailed calculations indicating how the fee was calculated.

I. The fee components must be described separately in a resolution adopted by the Authority.

J. The adopted fee must be less than or equal to the calculated fee.

K. The fee cannot be more than the total project costs divided by the design capacity of the facilities.

- L. In all cases, any grant or capital contributions must be subtracted from the cost of the facility. The resulting cost must be divided by the design capacity to produce a cost per unit capacity.
- M. The Authority may apply the capacity-related facility to certain geographical areas, i.e., the cost of a pump station is only applied to the area served by the pump station.
- N. The Authority may charge different fees to different customer types, i.e., commercial, or industrial.

### **3.0 CALCULATION OF THE FEE**

The fee was calculated using the methodology delineated in the Pennsylvania Municipality Authorities Act. The following information was used in deriving the fee:

- A. History of the treatment plant and ancillary facilities and the design capacities of all the facilities from previously completed Tap Fee calculations (Shaler Township and Hampton Township Municipal Authority).
- B. Engineering News Record (ENR) Construction Cost Index.

#### Connection Fee

The Authority owns all the public waterlines up to the private ROW line or curb stop. As such, The Authority can charge the cost of the connection from the water main to the property line. HSWA's connection fee is an average of the types of connections made within the service area.

#### Customer Facility Fee

The Authority does not install the service line from the curb stop to the house/building so additional charges are not applicable. Meter costs are recovered through a requirement for Customers to purchase meters from the Authority.

#### Collection/Distribution/Capacity Component Fees

Tables I and II show the actual calculation of the tapping fee. It is a combination of the costs associated with the treatment, supply, transmission, and distribution facilities. Please see Appendix B for the footnotes explaining the derivation of the numbers used in the Tables.

#### 4.0 RECOMMENDATIONS AND APPLICATION OF ALL FEES

It is recommended that the Authority adopt tapping fees as calculated within this document to recover allowable costs that have been spent on capital expenditures. The Authority may adopt any fee up to and including the calculated amounts. These fees are subject to change and should be reviewed on an annual basis to ensure compliance with the Pennsylvania Municipality Authorities Act.

The maximum allowable total water tapping fee is as follows:

Connection Component (Long/Short)	\$2,481.61 / \$1,923.69
<i>*Not including hardscape restoration</i>	
Customer Facility Component	COST
<i>*Actual Cost of Meter</i>	
Capacity Component	\$1,251.15
Distribution Component	<u>\$ 1,936.69</u>
<b>Total Allowable Water Tapping Fee</b>	<b>\$ 5,669.45 / \$5,111.53</b>
<b>(Long/Short)</b>	

At the March 24, 2025, meeting of the Hampton Shaler Water Authority, the following water tapping fee (5/8" meter) was adopted:

Connection Component	\$ 1,430.00
<i>*Not including restoration</i>	
Customer Facility Component	\$ TBD
Capacity Component	\$ 812.50
Distribution Component	<u>\$ 1,287.00</u>
<b>Total Adopted Water Tapping Fee</b>	<b>\$ 3,529.50</b>

A Special Purpose Tap Fee District was created by Hampton Township Municipal Authority in May 2008 to complete a water system extension project in West Deer Township consisting of 29,850 LF of Authority constructed water main. This \$1,300.<sup>00</sup> Special Purpose Component applies only to customers in the zone and the total of Special Purpose fees collected cannot exceed \$1,280,000

## TABLES I & II

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Tapping Fee Calculations

**Tapping Fee Calculation  
Capacity Part**

**Table I**

Description	Water Treatment Plant 9.0	PV - WTP Instrumentation	Well Field No. 8	Well Field No. 1,1A,2,3,4,5,6,7	Water Storage Tanks	Lamphier Pump Station	Burchfield Pump Station	Felcity P Station
	Actual	Actual	Actual	Replacement	12 Tanks See Attachment	Actual	Industrial Appraisal	
				\$ 842,021				
				per well (8 wells)				
Construction	\$ 5,945,193	\$ 408,104	\$ 263,018		\$ 9,152,513.82	\$ 874,666	\$ 274,685	\$ 89
Engineering	297,260	48,837	32,413			73,066		
Other	20,377	1,480	1,480					
Total	\$ 6,262,830	\$ 458,421	\$ 296,911			\$ 947,732	\$ 274,685	\$ 89
Bid Date	12/31/1977	10/24/1989	6/11/1991			3/22/1994		
Completed Date	1/1/1981	5/31/1992	5/31/1992			12/1/1994	Jun-05	
ENR INDEX @ Reference Date	2576	4658	4818			5381	7355	
ENR INDEX @ January 2025	13732	13732	13732			13732	13732	
Ratio ENR	5.33	2.95	2.85			2.55	1.87	1.87
Total Trended Cost	\$ 33,385,550	\$ 1,351,446	\$ 846,239	\$ 6,736,170	\$ 9,152,514	\$ 2,418,557	\$ 512,845	\$ 1,66
Total Bond Cost - Not Trended	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bond Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 33,385,550	\$ 1,351,446	\$ 846,239	\$ 6,736,170	\$ 9,152,514	\$ 2,418,557	\$ 512,845	\$ 1,66
Minus Outstanding Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Net Trended Cost	\$ 33,385,550	\$ 1,351,446	\$ 846,239	\$ 6,736,170	\$ 9,152,514	\$ 2,418,557	\$ 512,845	\$ 1,66

Total Replacement Cost	\$ 58,826,141
Minus Outstanding Debt	(1,955,561)
Subtotal	(4,942,784)
WTP Design Capacity	\$ 56,870,580
	9,000,000
Cost Basis per Gallon	\$ 6.32
Average Household Design Capacity	2.20
	90
Cost per EDU	\$1,251.15

## Table 2

	Original	\$	20.00	\$	32.00	\$	46.00	\$	50.00				7
	ENR Index at Report Date		7,355		7,355		7,355		7,355				8
	ENR Index at January 2025		13,732		13,732		13,732		13,732				8
	Ratio ENR Index		1.87		1.87		1.87		1.87				9
	Present	\$	37.34	\$	59.74	\$	85.88	\$	93.35				10
		\$	4,992,482.64	\$	4,154,428.73	\$	79,520,066.01	\$	46,313,473.34				

	\$ 134,980,450.72		11
Minus 33% for Contributed Aid	\$ (44,993,483.57)		13
Minus surplus	\$ (1,955,561.00)		12
Allowable Cost	\$ 88,031,406.14		14
WTP Design Capacity	9,000,000	gpd	1
Cost Basis per Gallon	\$ 9.78		16
Average Household	2.20	persons per EDU	17
Design Capacity	90	gpd per cap	
Cost per EDU	\$ 1,936.69		18



## APPENDIX A

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### Water Main System Inventory

		Distribution Water Mains Inventory (LF)				
Municipality		<4 in	4 in	6 in	8 in	
Etna		3,818	25,594	25,779	13,233	
Hampton		61,168	11,092	252,466	262,261	
Indiana		9,041	1,497	22,404	42,684	
McCandless		3	-	-	-	
Millvale		-	-	153	-	
O'Hara		2,205	2,349	33,467	29,746	
Reserve		-	-	9	-	
Richland		-	-	1,686	-	
Shaler		47,101	11,763	537,987	106,754	
Sharpsburg		1,723	14,843	23,841	9,761	
West Deer		8,642	2,398	28,116	61,530	Includes S
<b>TOTALS</b>		<b>133,701</b>	<b>69,536</b>	<b>925,908</b>	<b>525,969</b>	

Original Present	7355	\$	20.00	\$	32.00	\$	46.00	\$	50.00
	13732	\$	37.34	\$	59.74	\$	85.88	\$	93.35
		\$	4,992,482.64	\$	4,154,428.73	\$	79,520,066.01	\$	49,100,014.47

**\$ 137,766,991.84**

		Transmission Water Main Inventory (LF)			
Municipality		8 in	10 in	12 in	14 in
Etna		-	1,180	8,435	4,153
Hampton		-	-	95,146	-
O'Hara		-	-	5,980	-
Richland		422	-	-	-
Shaler		-	670	65,349	95

## APPENDIX B

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### Tapping Fee Calculations Footnotes

**HAMPTON SHALER WATER AUTHORITY**  
**Tapping Fee Calculations**  
**Footnotes**

The following footnotes both define and support the Tapping Fee calculation:

**1. DESIGN CAPACITY**

Information was obtained from Shaler Township's 2005 Tapping Fee Report. The water system treatment capacity is 9,000,00 gpd

**2. FINAL CONSTRUCTION COSTS**

Information was obtained from the prior Shaler Township and Hampton Township Municipal Authority Tapping Fee Reports (2005), executed contracts for the construction projects completed since that time, and estimated replacement costs.

**3. TOTAL CONSTRUCTION COSTS**

Equal to the sum of all the Final Construction Costs.

**4. TOTAL NET PROJECT COSTS**

Equal to the sum of Total Construction Costs plus Project Costs.

**5. PROJECT GRANTS**

No grant monies were obtained for any construction projects from 2005 to current. An allowance of 33% is provided for contributed aid (where applicable).

**6. CAPITAL CONTRIBUTIONS**

Information was obtained from the prior Shaler and HTMA Tapping Fee Reports (2005).

**7. TOTAL PROJECT COSTS**

Equal to the Net Project Costs less Project Grants and Capital Contributions.

**8. ENR INDEX @ ENGINEER'S REPORT DATE AND @ JANUARY 2025**

The ENR Index @ Engineer's Report Date was obtained from the Authority. Construction cost index factors from the Engineering News Record (ENR) Magazine.

**9. RATIO ENR INDEX**

Equal to the ENR Index @ January 2025 divided by the ENR Index @ Engineer's Report Date.

**10. TOTAL NET TRENDING PROJECT COSTS**

Equal to the Total Net Project Costs multiplied by the Ratio ENR Index.

**11. CUMULATIVE NET TRENDING PROJECT COSTS**

Equal to the sum of the Total Net Trending Project Costs for all of the preceding projects.

**12. AVAILABLE SURPLUS**

As of the December 31, 2023, audited financial statements.

**13. TOTAL OUTSTANDING DEBT**

As of the December 31, 2023, audited financial statements.

**14. ALLOWABLE PROJECT COST BASIS**

Equal to the Cumulative Net Trending Project Cost plus the Available Surplus minus the Total Outstanding Debt plus the Expansion and Upgrade/Replace/Betterment debt associated with new customers.

**15. CURRENT DESIGN CAPACITY GPD**

Information was obtained from the prior Shaler and HTMA Tapping Fee Reports (2005).

**16. COST BASIS PER GPD**

Equal to the Allowable Project Cost Basis divided by the Current Design Capacity.

**17. CURRENT CUSTOMER CONTRIBUTION GPD**

The current per person contribution allowable is 90 gallons per day. The 2020 Census has Allegheny County at 2.20 persons per household. Combined, this results in 198 gallons per EDU.

**18. FEE CHARGEABLE**

Equal to the Cost Basis per GPD times the Current Customer Contribution.

## APPENDIX C

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Supporting Documentation

Work up is based on 1" tap ONLY for labor/material aspect, no meter.

Connection Fee

1" Long Tap							Footnotes
MATERIALS							
Quantity:	Price/ Unit:	Item:	Size:	Material:	Cost:		
60	\$ 8.67	Copper	1	Brass	520.20		
1	\$ 56.16	Corporation	1	Brass	56.16		
1	\$ 88.83	Curbstop	1	Brass	88.83		
1	\$ 76.33	NSCB w Rod	-	D.I.	76.33		
0.25	\$ 32.00	Wedges	bundle	Wood	8.00		
0.04	\$ 330.00	Blocking	pallet	Concrete	13.20		
		<b>Total</b>		<b>Material Cost:</b>	<b>\$ 762.72</b>		
LABOR & BENEFITS							
Quantity:	Hourly Rate:	Level:	Benefits/Hr		Cost:		
8	\$37.84	Crew Leader	\$75.68		\$378.40		
16	\$36.84	Utility Man	\$147.36		\$736.80		
		<b>Total</b>		<b>Labor Cost:</b>	<b>\$1,115.20</b>		
RESTORATION							
Quantity:	Price/ Unit:	Item:	Quantity Basis:	Cost:			
8	\$ 35.00	2a limestone	Ton	\$ 280.00			
					\$ 280.00		
					\$2,157.92		
Total:					\$323.69		
Overhead: Machines/Equipment/Compressor/Trucks/Trailer							
<b>GRAND TOTAL:</b>							<b>\$2,481.61</b>
*Road restoration to be paid by customer, not included on price							

MATERIALS		
Quantity:	Price/ Unit:	
15	\$ 8.67	
1	\$ 56.16	
1	\$ 88.83	
1	\$ 76.33	
0.25	\$ 32.00	
0.04	\$ 330.00	
LABOR & BENEFITS		
Quantity:	Hourly Rate:	
16	\$37.84	
8	\$36.84	
RESTORATION		
Quantity:	Price/ Unit:	
5	\$ 35.00	
Total:		
Overhead: Machines/Equipment/Contr		
<b>GRAND TOTAL:</b>		
*Road restoration to be paid by custo		

\$2,202.65

Average Cost =

\*Excluding road restoration,

HSWA Water Storage Tanks									
Location	Anderson	Eade #1	Eade #2	Eade #3	Eade #4	James	Mary Ann #1	Mary Ann #2	
Capacity	1.0 MG	1.5 MG	0.654 MG	0.654 MG	1.2 MG	0.3 MG	0.5 MGD	0.218 MG	
Type	Standpipe	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Elevated	Standpipe	
Reference	Appraisal	Appraisal	Appraisal	Appraisal	Appraisal	Estimate	Appraisal	Estimate	
Reference Cost	\$ 471,204	\$ 422,349	\$ 210,889	\$ 210,889	\$ 517,439	\$ 617,900	\$ 485,313	\$ 449,007	
Reference Date	Jun-05	Jun-05	Jun-05	Jun-05	Jun-05	Jan-25	Jun-05	Jan-25	
Reference ENR	7355	7355	7355	7355	7355	13732	7355	13732	
Current ENR (Jan 2025)	13732	13732	13732	13732	13732	13732	13732	13732	
Adjusted Value	\$ 879,752	\$ 788,538	\$ 393,736	\$ 393,736	\$ 966,074	\$ 617,900	\$ 906,094	\$ 449,007	



## APPENDIX D

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### Water Meter Ratios & Tapping Fees

New Water Service Tapping Fees										
Meter Size	5/8"	3/4"	Res. Fire 1"	1"	1-1/2"	2"	3"	4"	6"	8"
Safe Operating Flow	20	30	50	50	100	160	320	500	1000	1600
Equivalent Meter Ratio	1.0	1.5	2.5	2.5	5.0	8.0	16	25	50	80
Connection Component <sup>1,2</sup>	\$ 1,430.00	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Customer Facility Component <sup>3</sup>	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Capacity Component	\$ 812.50	\$ 1,218.75	\$ 2,031.25	\$ 2,031.25	\$ 4,062.50	\$ 6,500.00	\$ 13,000.00	\$ 20,312.50	\$ 40,625.00	\$ 65,000.00
Distribution Component	\$ 1,287.00	\$ 1,930.50	\$ -	\$ 3,217.50	\$ 6,435.00	\$ 10,296.00	\$ 20,592.00	\$ 32,175.00	\$ 64,350.00	\$ 102,960.00
Special Purpose Part <sup>4</sup>	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Fee Subtotal <sup>1,2,3,4</sup>	\$ 3,529.50	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)

<sup>1</sup> Connection Fee based upon actual construction cost
<sup>2</sup> Hardscape restoration costs added to Connection Fee
<sup>3</sup> Customer Fee based upon actual meter cost
<sup>4</sup> Areas of West Deer are subject to a \$1,300 Special Component Fee
<sup>5</sup> Total cost will be determined at completion of new service construction

Developer Note: Water Main must be constructed / accepted prior to issuance of tap permits