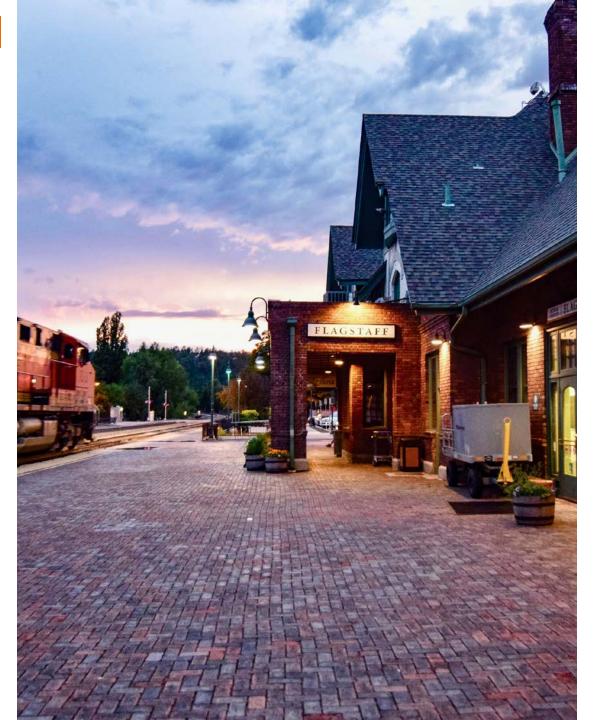


City of Flagstaff, AZ

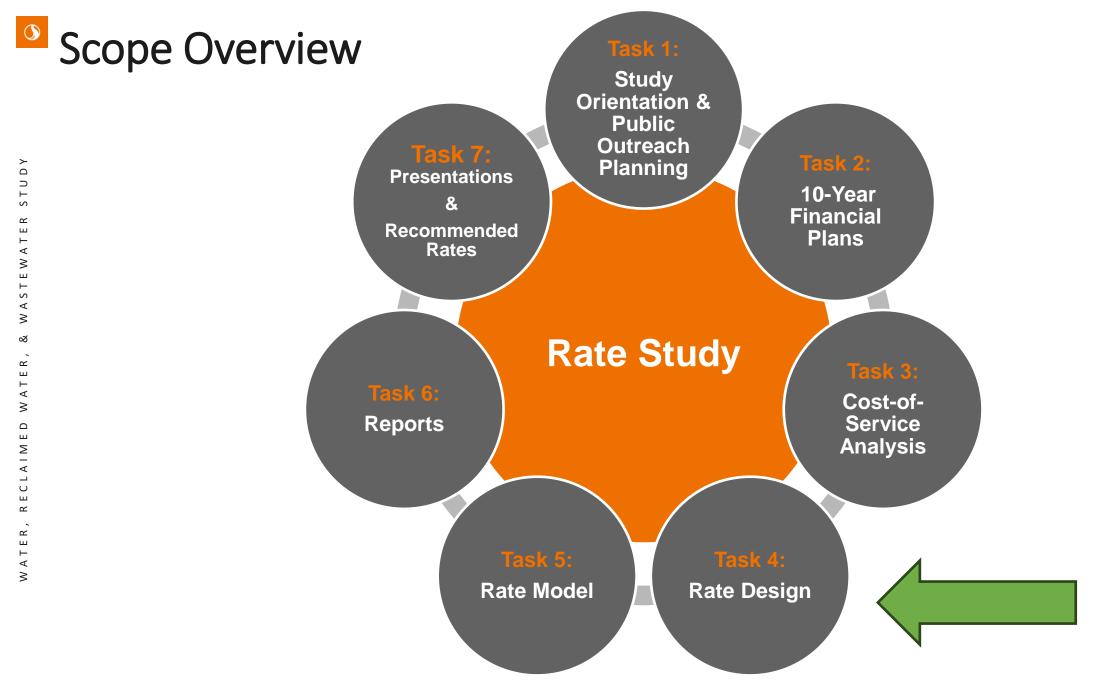
Water, Reclaimed Water, & Wastewater Cost-of-Service Study – Wastewater Rate Design

Joint City Council & Water Commission Work Session March 4th, 2024



Agenda

- 1. Overview
- 2. Cost Recovery for FY 2025
- 3. Wastewater Rate Options (3)
- 4. Customer Impacts
- 5. Next Steps



The Rate Study Process

How Much?



Financial Plan

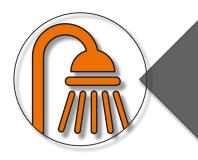
- Operations & Maintenance, debt service, projects
- Financial policies & targets
- Council direction for funding full CIP on October 23, 2023

From Whom?

Cost-of-Service Allocations

- Identifies how costs are incurred
- Determines how customers use the systems
- Council direction on capacity fees February 6, 2024

How to Collect?



Rate Design

- Identifies objectives of the City
- Ties rate structure alternatives to objectives
- Communicates costs of service to customers

How Much: Revenue Requirements FY 2024 vs. FY 2025

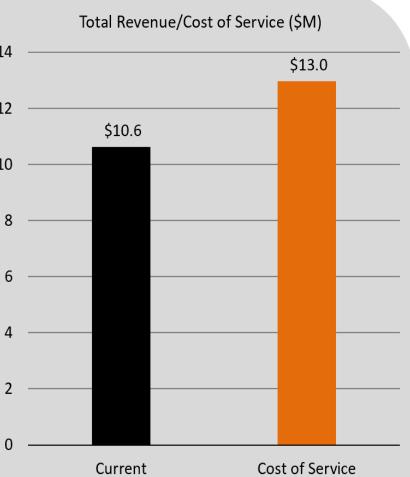
Wastewater Fund	FY 2024 (millions)	FY 2025 (millions)
Operations & Maintenance	\$8.3	\$8.7
Debt Service	\$2.6	\$3.1
Capital	\$8.3	\$5.5
Total Expenditures	\$19.2	\$17.3
Use of Reserves	(\$7.7)	(\$3.7)
Non-Rate Revenue	(\$0.9)	(\$0.6)
Rate Revenue	\$10.6	\$13.0

Change in rate revenue needed – 22%

DRAFT - FOR DISCUSSION PURPOSES

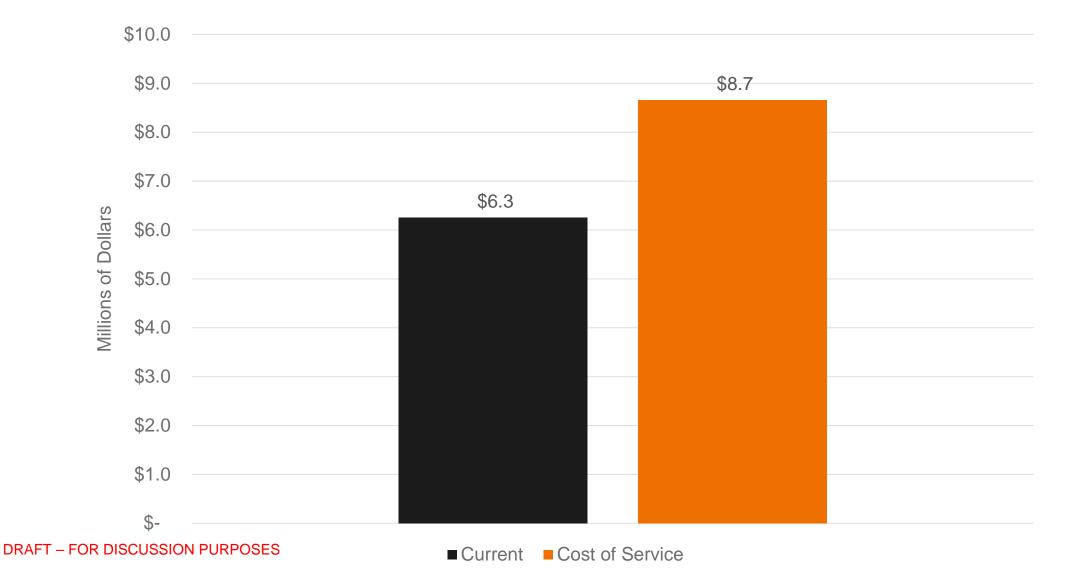
Revenue Requirements FY 2024 - FY 2025





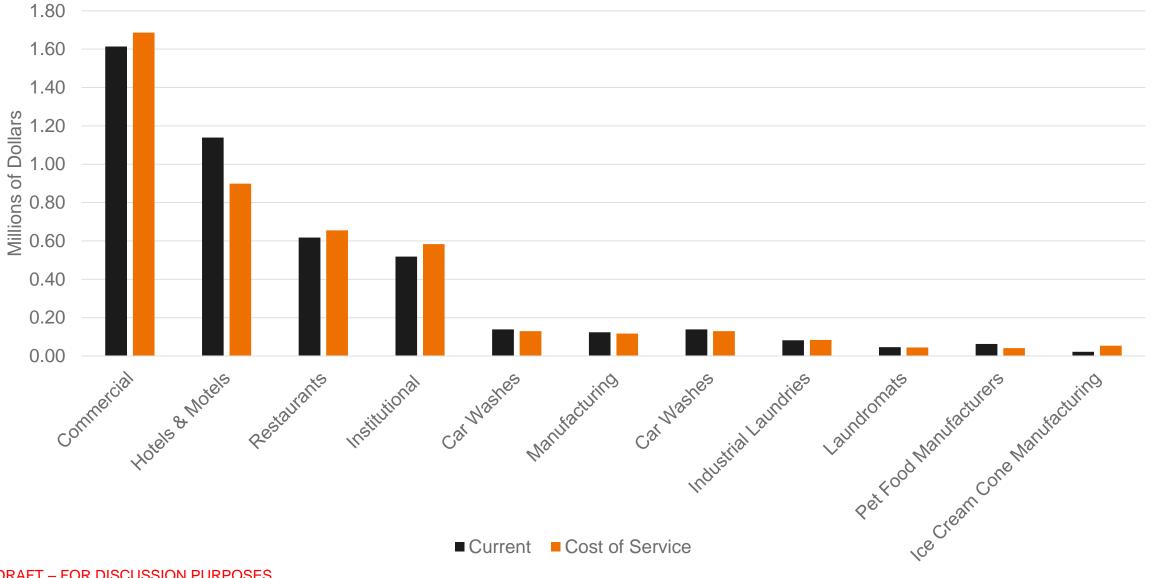
DRAFT - FOR DISCUSSION PURPOSES

From Whom: Customer Class Cost Recovery FY 2025 - Residential



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From Whom: Customer Class Cost Recovery FY 2025 – Non-Residential

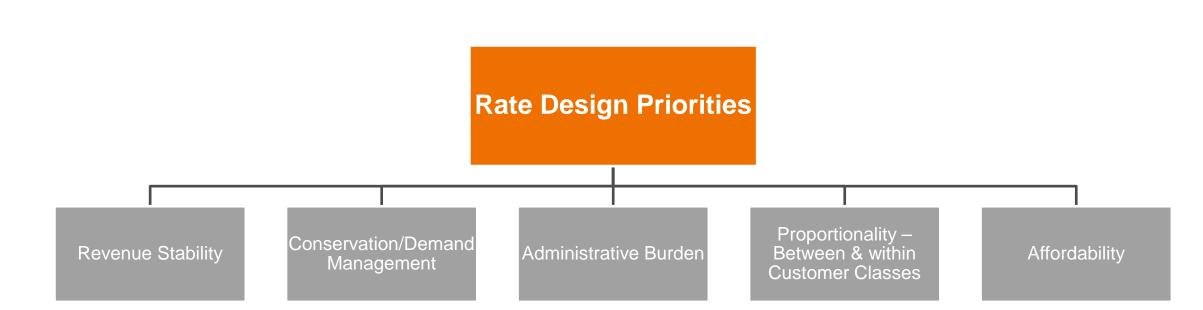


Cost of Service (COS) Results – Option 1

Customer Class	Current Rate*	FY 2025 COS Results
Residential	\$5.35	\$7.33
Car Washes	\$5.38	\$5.16
Laundromats	\$5.53	\$5.55
Commercial	\$5.68	\$6.11
Institutional	\$4.91	\$5.41
Manufacturing	\$6.09	\$5.92
Hotels & Motels	\$7.58	\$6.14
Restaurants	\$9.09	\$9.54
Industrial Laundries	\$8.36	\$8.81
Pet Food Manufacturers	\$13.34	\$8.56
Ice Cream Cone Manufacturing	\$16.48	\$39.95

*Inside city

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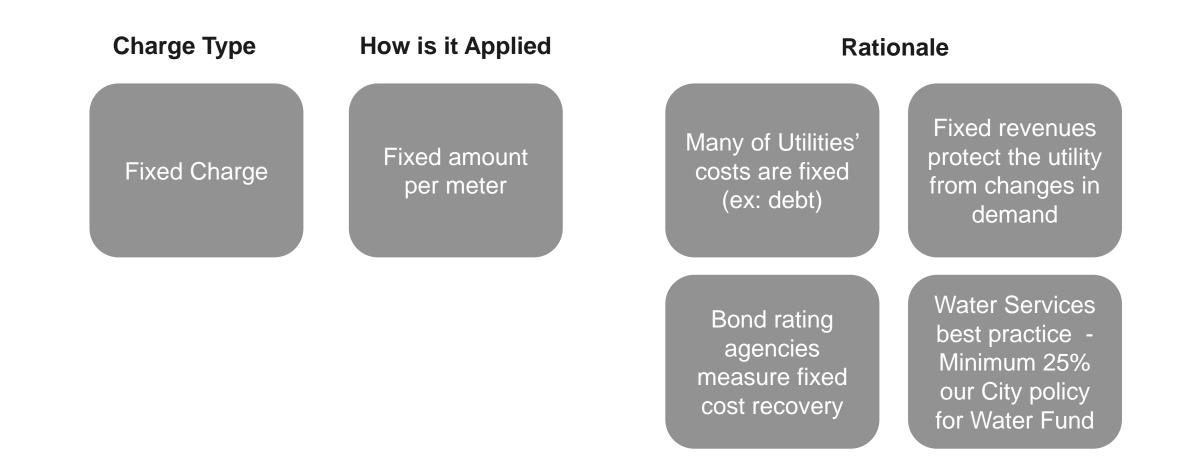


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Revenue Stability through a Fixed Charge



Fixed + Individualized – Option 2

			Customer Class	Current Rate**	FY 2025 Individualized Volume Charge (per 1,000 gallons) (75% Cost Recover
Meter Size	ERU* Factor	FY 2025 Fixed	Residential	\$5.35	\$5.50
		Charge (25% Cost Recovery)	Car Washes	\$5.38	\$3.87
3/1"	1.00	\$10.39	Laundromats	\$5.53	\$4.16
1"	1.67	\$17.32	Commercial	\$5.68	\$4.58
1 1⁄2"	3.33	\$34.63	Institutional	\$4.91	\$4.06
2"	5.33	\$55.41	Manufacturing	\$6.09	\$4.44
3"	11.67	\$121.22	Hotels & Motels	\$7.58	\$4.61
4"	16.67	\$173.17	Restaurants	\$9.09	\$7.16
6"	33.33	\$346.33	Industrial Laundries	\$8.36	\$6.61
8"	53.33	\$554.13	Pet Food Manufacturers	\$13.34	\$6.42
*ERU = Equiva	alent Residential Uni	t	Ice Cream Cone Manufacturing	\$16.48	\$29.96

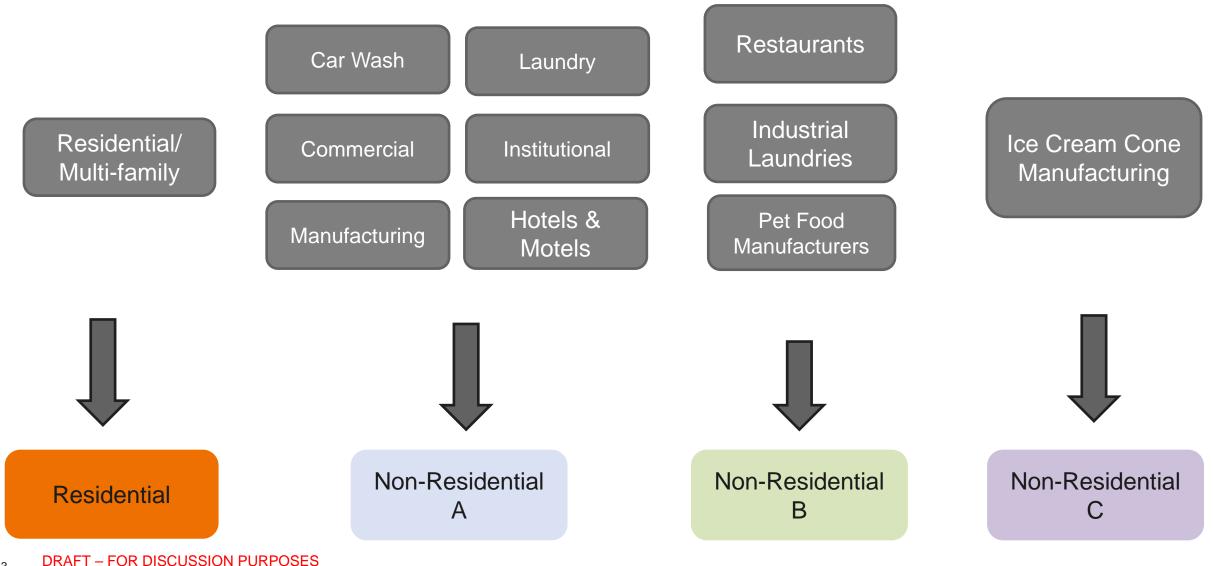
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**Inside City

Manufacturing

(per 1,000 t Recovery)

Consolidated Non-residential Classes



Fixed + Consolidated – Option 3

Meter Size	ERU* Factor	FY 2025 Fixed Charge (25% Cost Recovery)	Consolidated Class	Customer Class	Current Rate**	FY 2025 Consolidated Volume Charge (75% Cost Recovery)
2 / 11			Residential	Residential	\$5.35	\$5.50
3/4"	1.00	\$10.39		Car Washes	\$5.38	
1"	1.67	\$17.32		Laundromats	\$5.53	
4 1/3	-		Non-Residential A	Commercial	\$5.68	¢л лЕ
1 1⁄2"	3.33	\$34.63	Non-Residential A	Institutional	\$4.91	\$4.45
2"	5.33	\$55.41		Manufacturing	\$6.09	
3"	11.67	\$121.22		Hotels & Motels	\$7.58	
-	11.07	φ121.22		Restaurants	\$9.09	
4"	16.67	\$173.17		Industrial Laundries	\$8.36	#7 05
6"	33.33	\$346.33	Non-Residential B	Pet Food		\$7.05
8"	53.33	\$554.13		Manufacturers	\$13.34	
*ERU = Equivalen	t Residential Unit		Non-Residential C	Ice Cream Cone Manufacturing	\$16.48	\$29.96

**Inside City

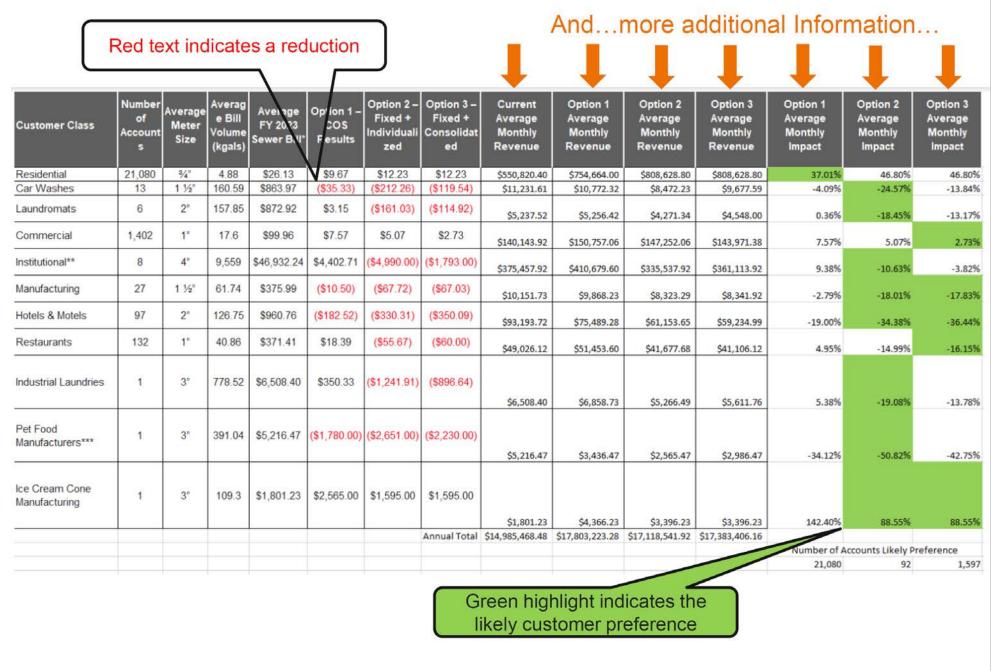
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Wastewater COS Average Bill Impacts for Rate Options 1 - 3

Customer Class	Number of Accounts	Average Meter Size	Average Bill Volume (kgals)	Average FY 2023 Sewer Bill*	Option 1 – COS Results	Option 2 – Fixed + Individualized	Option 3 – Fixed + Consolidated
Residential	21,080	3/4"	4.88	\$26.13	\$9.67	\$12.23	\$12.23
Car Washes	13	1 1⁄2"	160.59	\$863.97	(\$35.33)	(\$212.26)	(\$119.54)
Laundromats	6	2"	157.85	\$872.92	\$3.15	(\$161.03)	(\$114.92)
Commercial	1,402	1"	17.60	\$99.96	\$7.57	\$5.07	\$2.73
Institutional	8	4"	9,559	\$46,932.24	\$4,402.71	(\$4,990.00)	(\$1,793.00)
Manufacturing	27	1 1⁄2"	61.74	\$375.99	(\$10.50)	(\$67.72)	(\$67.03)
Hotels & Motels	97	2"	126.75	\$960.76	(\$182.52)	(\$330.31)	(\$350.09)
Restaurants	132	1"	40.86	\$371.41	\$18.39	(\$55.67)	(\$60.00)
Industrial Laundries	1	3"	778.52	\$6,508.40	\$350.33	(\$1,241.91)	(\$896.64)
Pet Food Manufacturers	1	3"	391.04	\$5,216.47	(\$1,780.00)	(\$2,651.00)	(\$2,230.00)
Ice Cream Cone Manufacturing	1	3"	109.3	\$1,801.23	\$2,565.00	\$1,595.00	\$1,595.00

*Average bill per customer class billed in FY 23.



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Discussion of Options

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Customer Class	Current Rate*	FY 2025 COS Results
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Ice Cream Cone Manufacturing	\$16.48	\$39.95

Option 1

Meter Size	ERU* Factor	Fixed Charge (25% Cost Recovery)	
3/4"	1.00	\$10.39	
1"	1.67	\$17.32	
1 1⁄2"	3.33	\$34.63	
2"	5.33	\$55.41	
3"	11.67	\$121.22	
4"	16.67	\$173.17	
6"	33.33	\$346.33	
8"	53.33	\$554.13	



	Individualized Volume
Customer Class	Charge (per 1,000 gallons) (75% Cost Recovery)
Residential	\$5.50
Car Washes	\$3.87
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Customer Class	Individualized Volume Charge (per 1,000 gallons) (75% Cost Recovery)	Consolidated Volume Charge (75% Cost Recovery)
Residential	\$5.50	\$5.50
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Restaurants	\$7.16	
Industrial Laundries	\$6.61	\$7.05
Pet Food Manufacturers	\$6.42	
Ice Cream Cone Manufacturing	\$29.96	\$29.96

Option 2

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Next Steps

- March 25, 2024 Joint City Council & Water Commission Water Rate Design Direction
- Future opportunities for direction:
 - April work sessions for policy topic discussions
- April 16, 2024 adopt notice of intention (NOI) to change rates and fees
- June 18 and July 2, 2024 Public hearings on changes in rates and fees
- September 1, 2024 new rates are effective



Discussion & Guidance

Next Steps/Action Items

Extra Slides (do not print)