# TOWN OF CHATHAM

Wastewater Implementation Plan

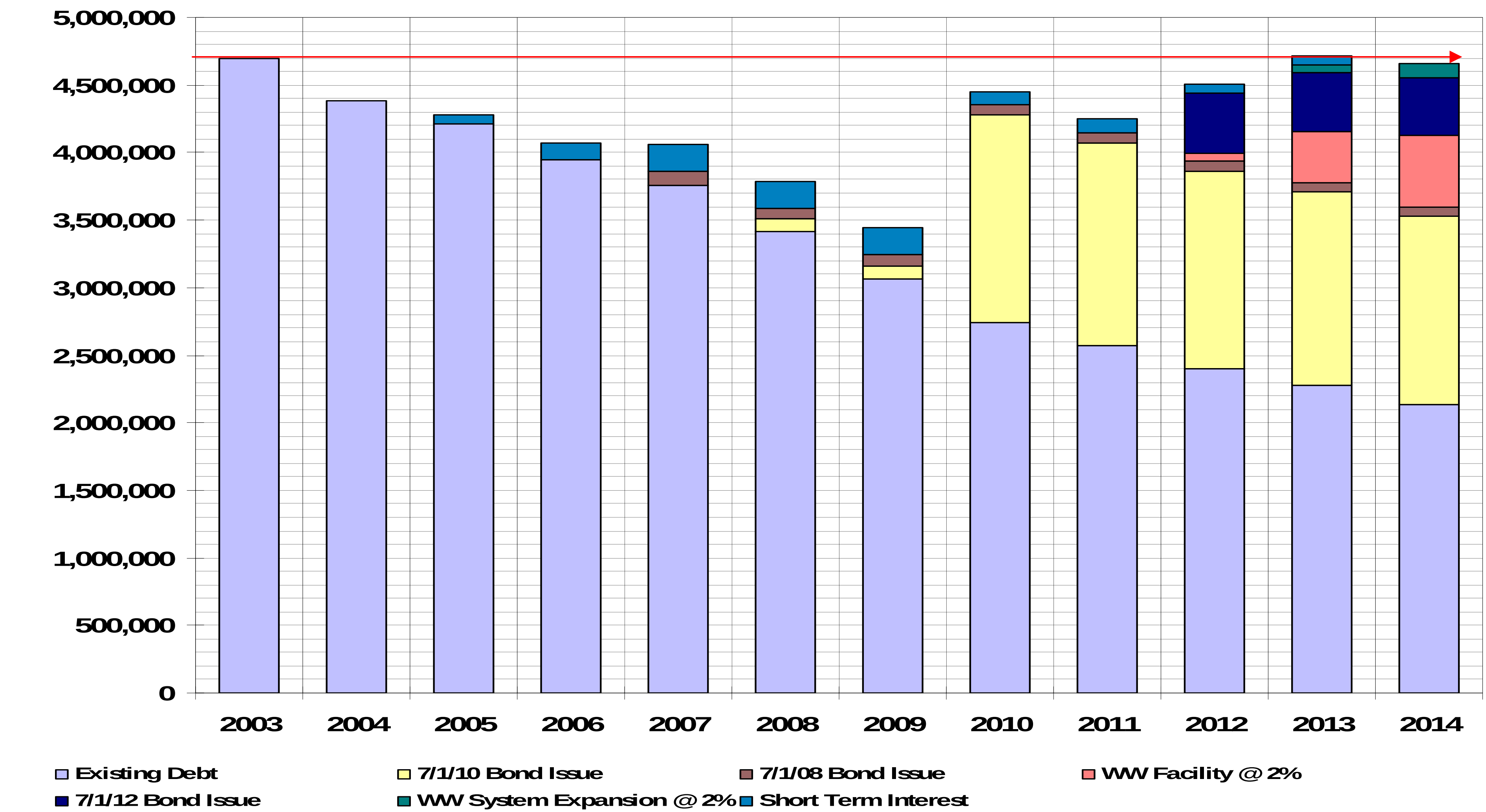
Fiscal Impact

October 4, 2005

# Purpose of Presentation

To demonstrate the fiscal impact of the implementation of the Wastewater Plan, and thereby the affordability of the balance of the capital facility plan.

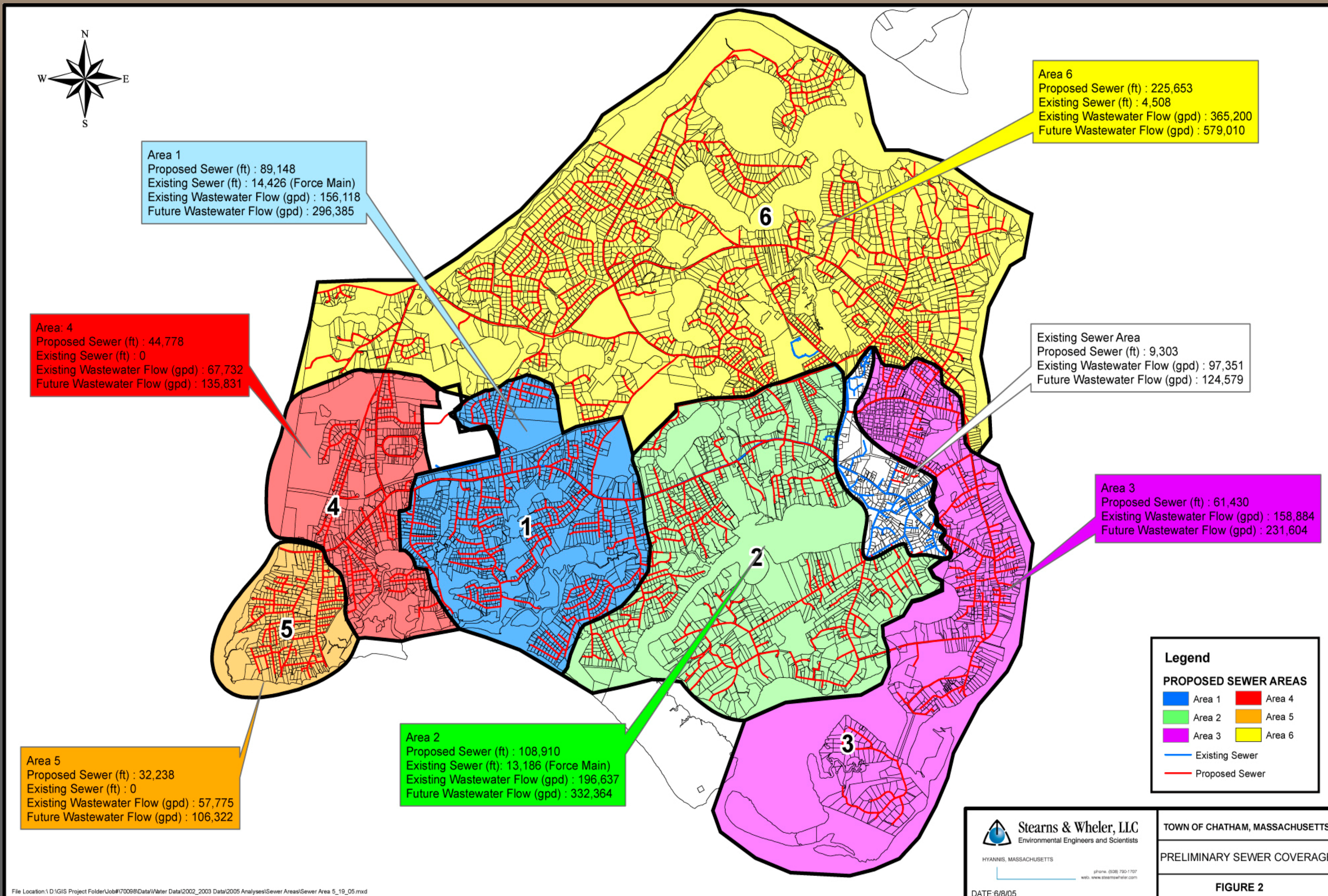
# Debt Drop Off with New Projects



# COSTS ASSOCIATED WITH FULL IMPLEMENTATION

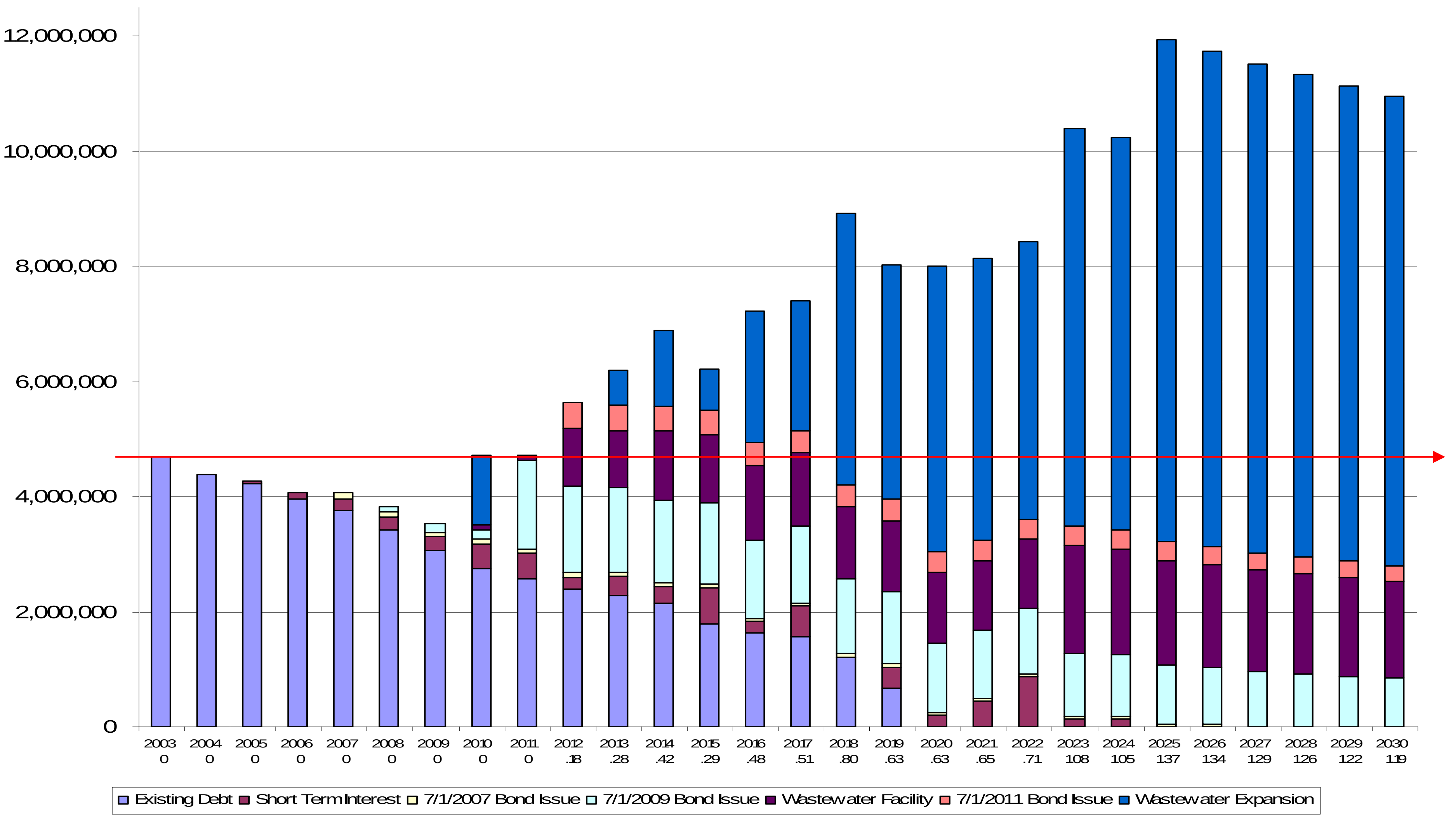
| | |
|---|---|
| Facility Upgrade(1.2 MGD) | $19M |
| Phase 1 Design/Construction | $28M |
| Phase 2 Design/Construction | $33M |
| Facility Upgrade Sludge/Recharge | $ 2M |
| ➲ Alternate Dispersal | $ 9M |
| Phase 3,4 Design/Construction | $38M |
| Phase 5 Design/Construction | $14M |
| Facility Upgrade Phase 2 (1.8 MGD) | $ 8M |
| Phase 6 Design/Construction | $64M |

➲ If Needed



N
W
E
S
Area 1
Proposed Sewer (ft) : 89,148
Existing Sewer (ft) : 14,426 (Force Main)
Existing Wastewater Flow (gpd) : 156,118
Future Wastewater Flow (gpd) : 296,385
Area 6
Proposed Sewer (ft) : 225,653
Existing Sewer (ft) : 4,508
Existing Wastewater Flow (gpd) : 365,200
Future Wastewater Flow (gpd) : 579,010
Area: 4
Proposed Sewer (ft) : 44,778
Existing Sewer (ft) : 0
Existing Wastewater Flow (gpd) : 67,732
Future Wastewater Flow (gpd) : 135,831
Existing Sewer Area
Proposed Sewer (ft) : 9,303
Existing Wastewater Flow (gpd) : 97,351
Future Wastewater Flow (gpd) : 124,579
Area 3
Proposed Sewer (ft) : 61,430
Existing Wastewater Flow (gpd) : 158,884
Future Wastewater Flow (gpd) : 231,604
6
4
1
2
5
3
Legend
PROPOSED SEWER AREAS
Area 1
Area 4
Area 2
Area 5
Area 3
Area 6
Existing Sewer
Proposed Sewer
Area 5
Proposed Sewer (ft) : 32,238
Existing Sewer (ft) : 0
Existing Wastewater Flow (gpd) : 57,775
Future Wastewater Flow (gpd) : 106,322
Area 2
Proposed Sewer (ft) : 108,910
Existing Sewer (ft): 13,186 (Force Main)
Existing Wastewater Flow (gpd) : 196,637
Future Wastewater Flow (gpd) : 332,364
Stearns & Wheler, LLC
Environmental Engineers and Scientists
HYANNIS, MASSACHUSETTS
DATE:6/8/05
TOWN OF CHATHAM, MASSACHUSETTS
PRELIMINARY SEWER COVERAGE
FIGURE 2

# Debt Drop Off Full Costs



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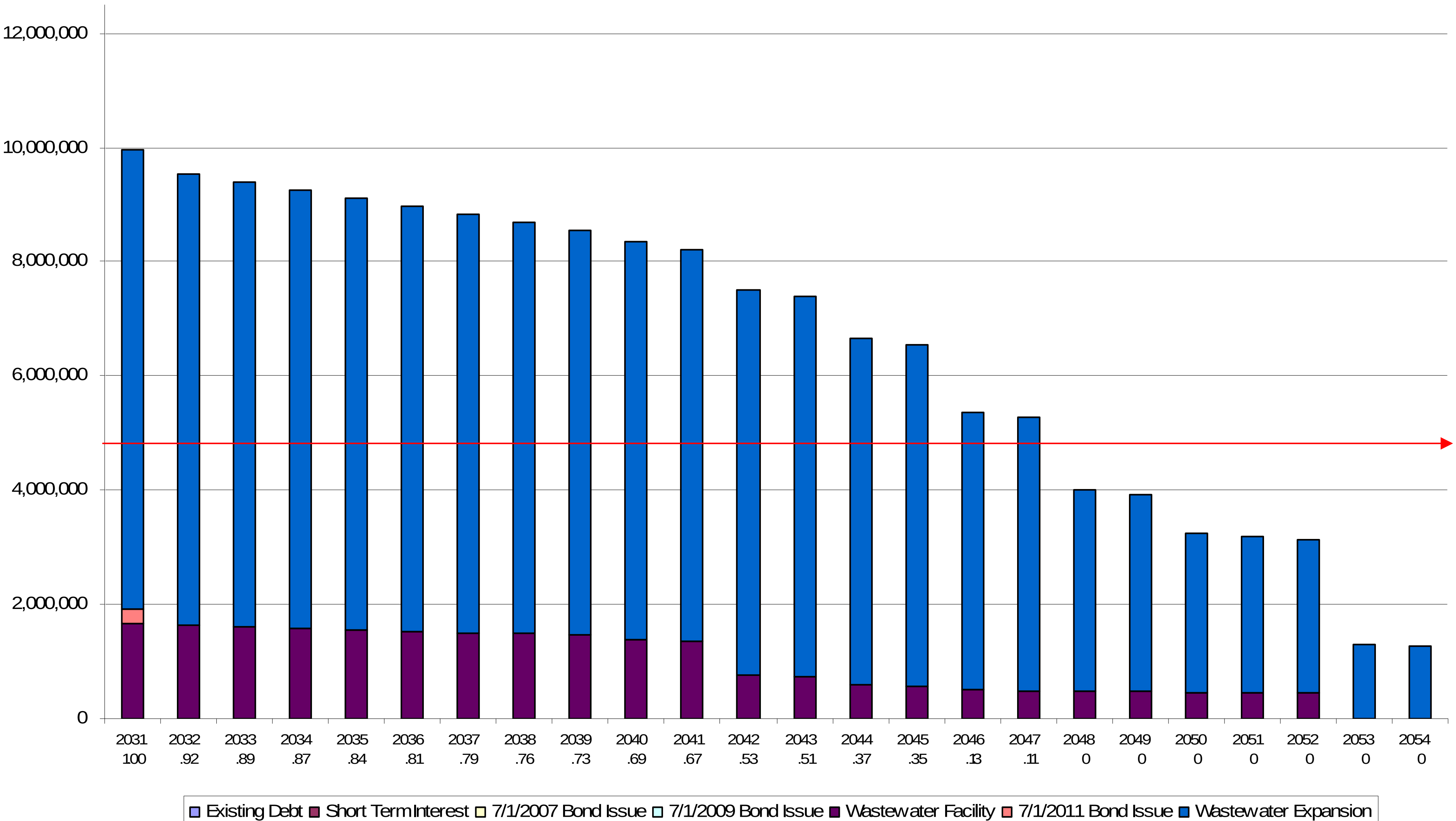
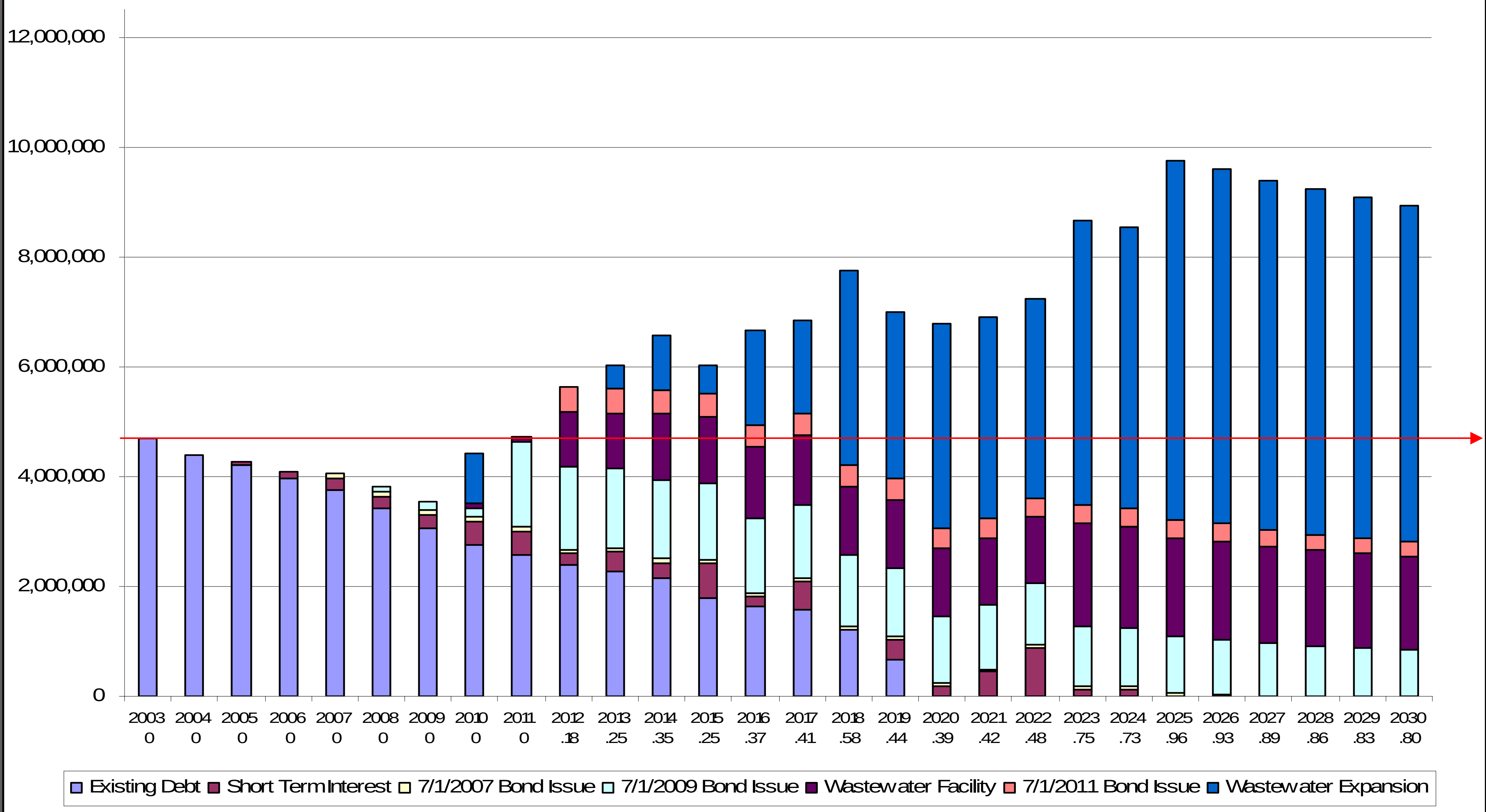


# Debt Drop Off 25% Betterment



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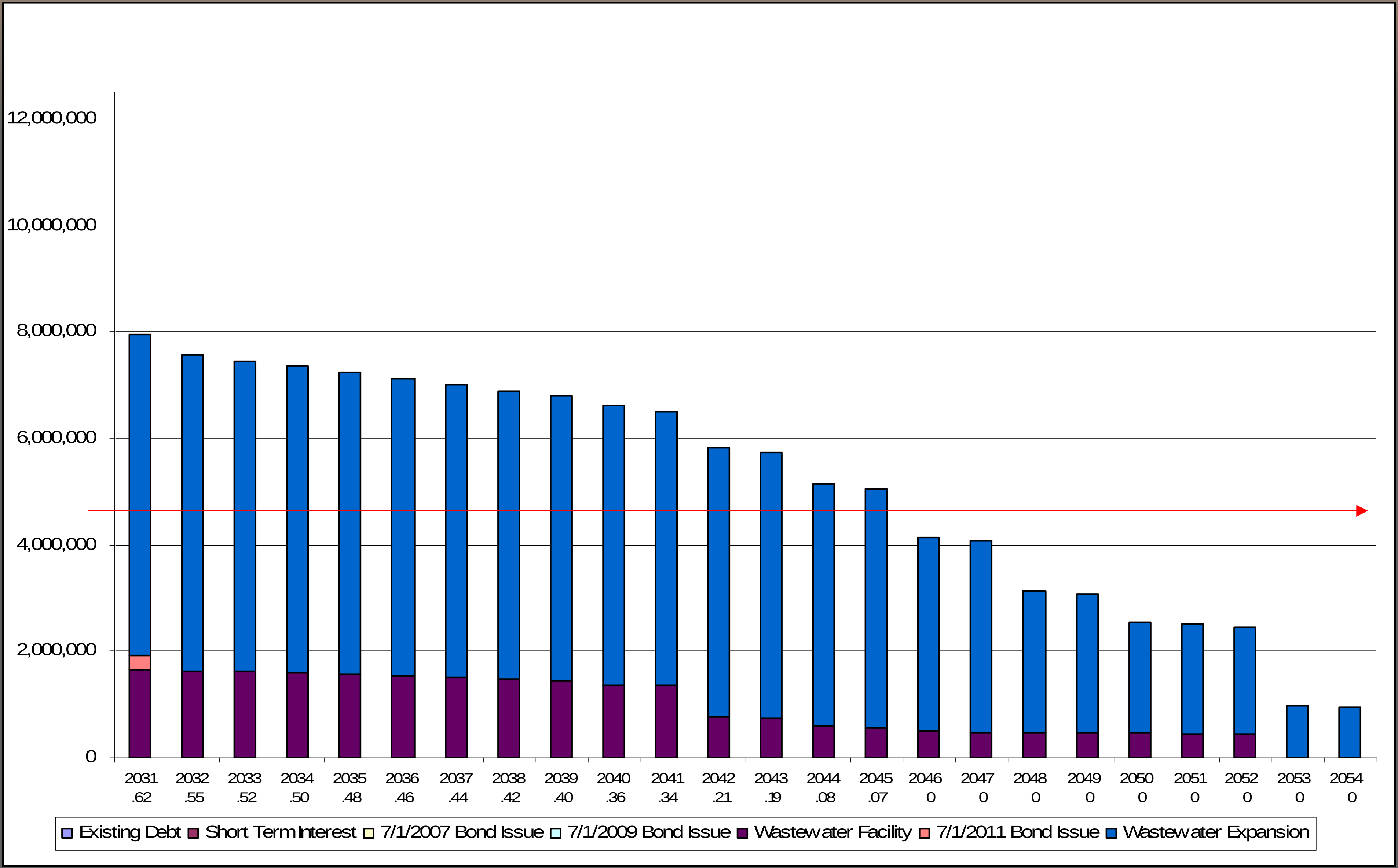
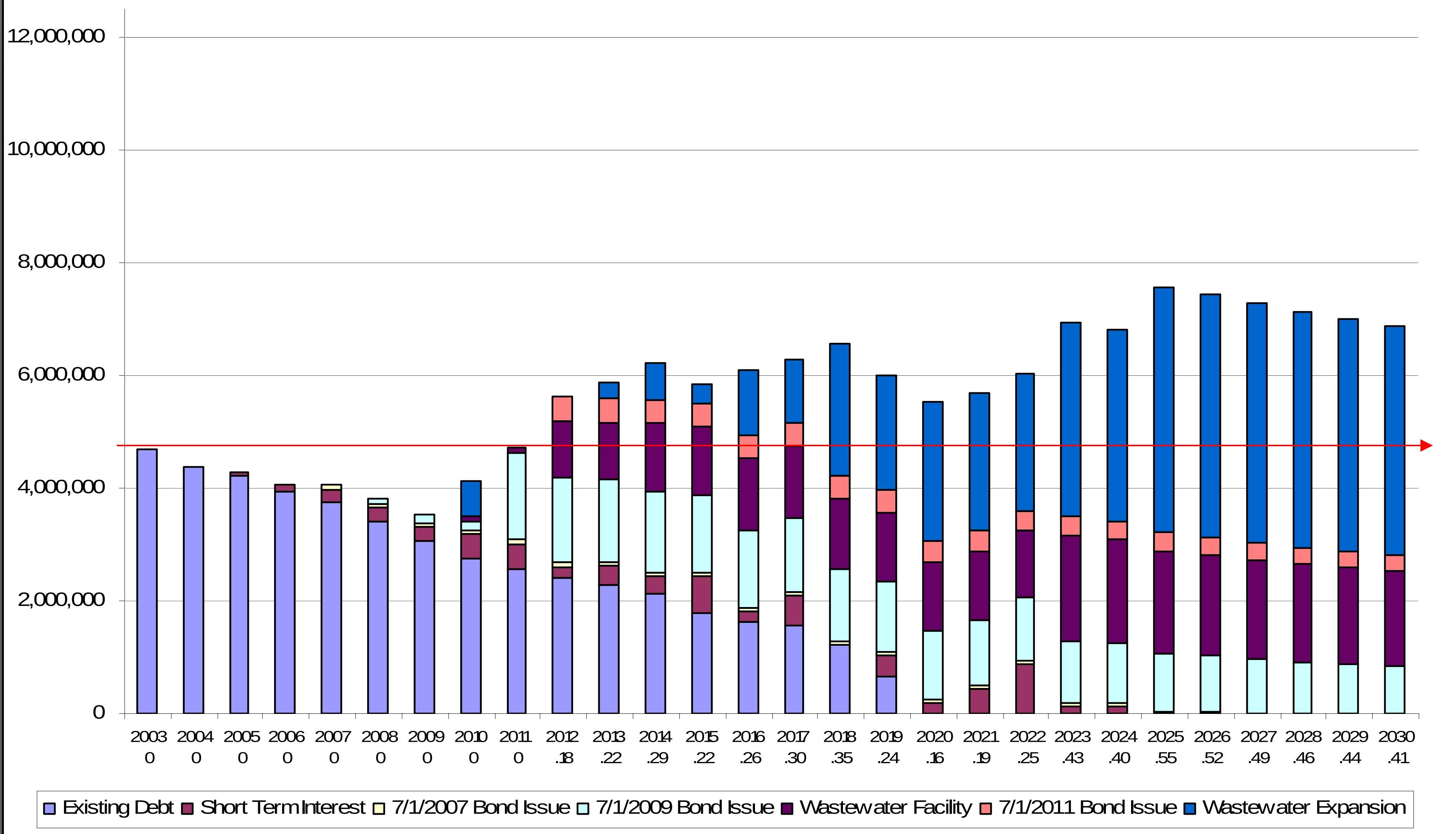


# Debt Drop Off 50% Betterment



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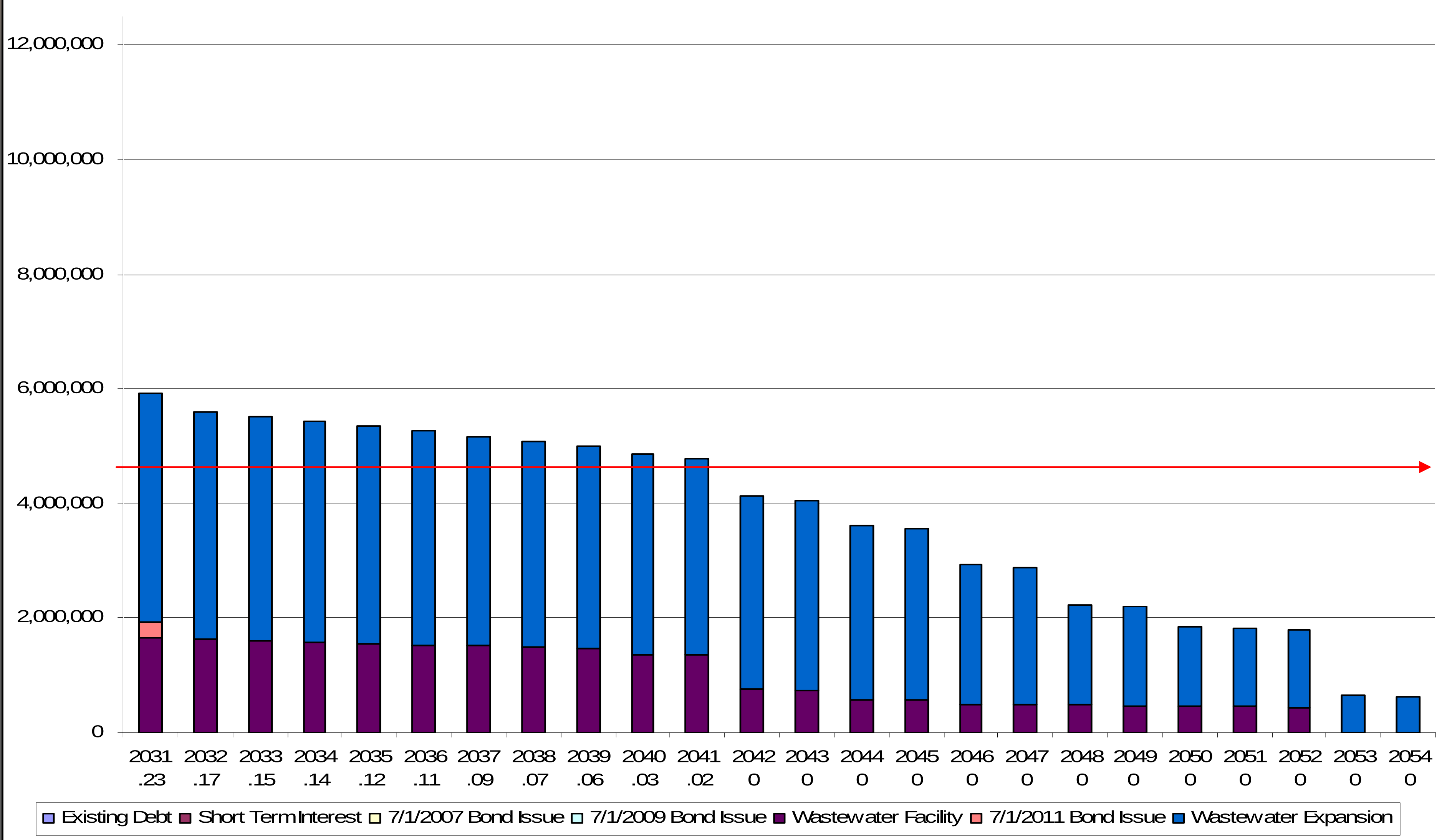
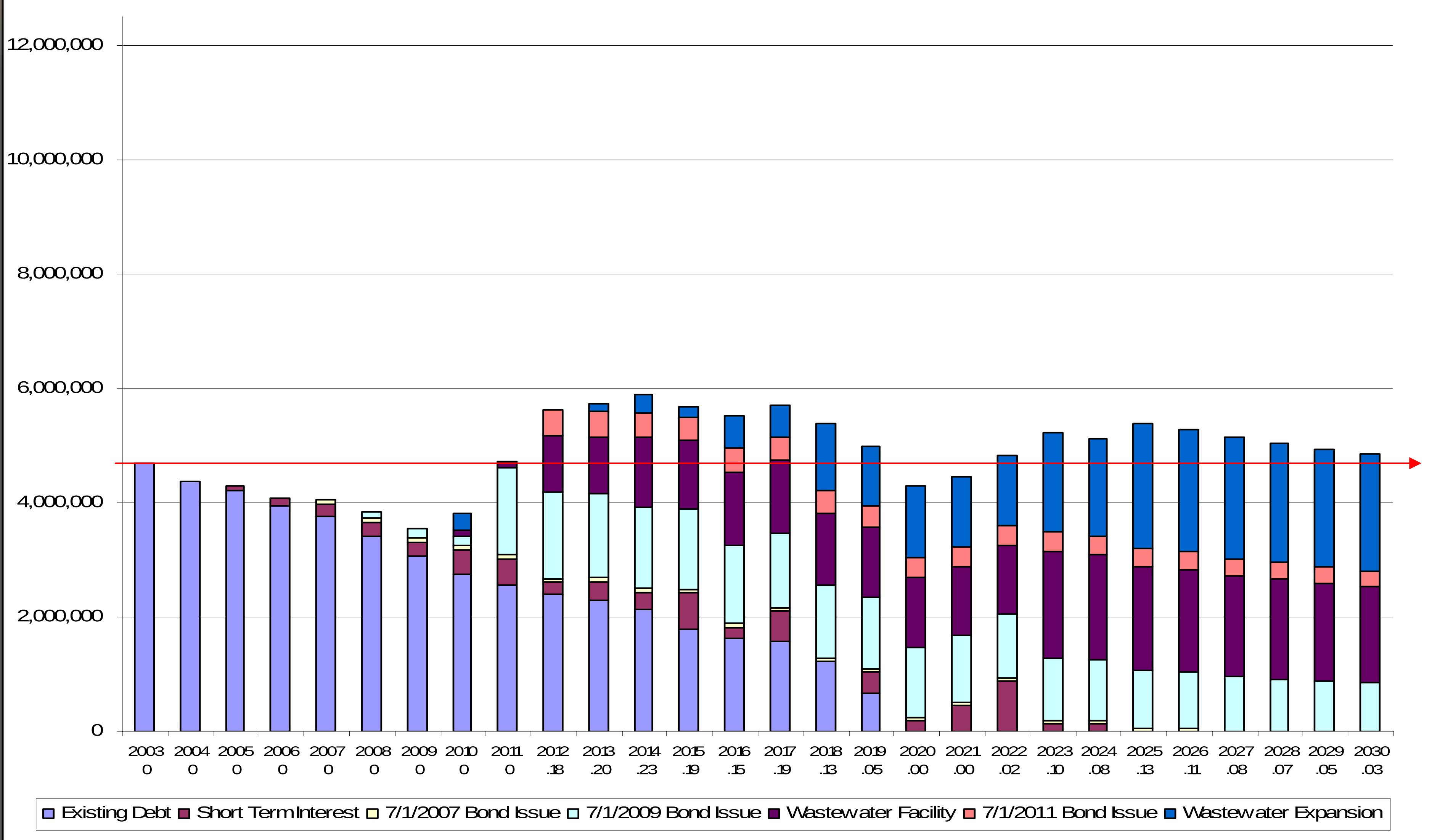


# Debt Drop Off 75% Betterment



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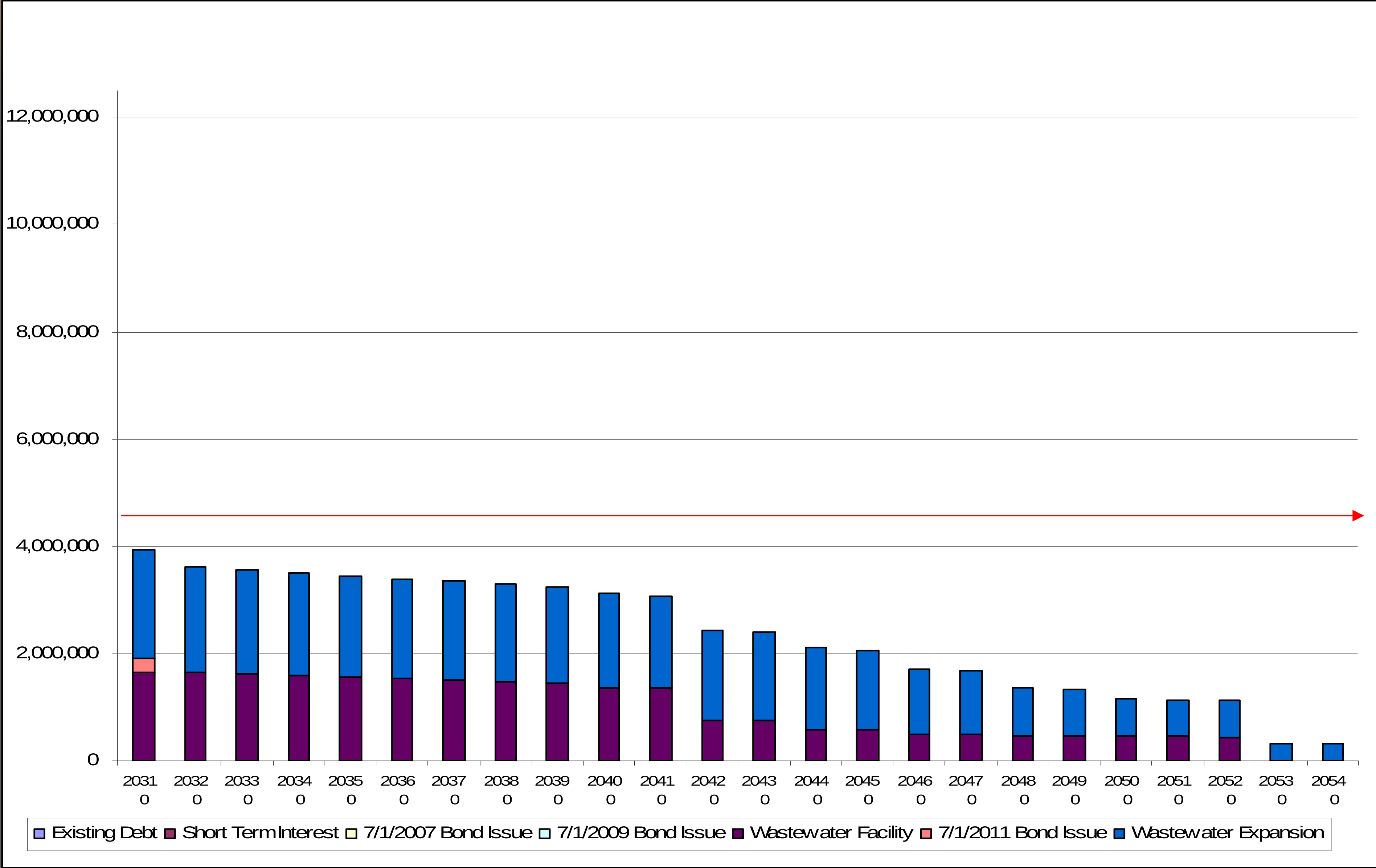
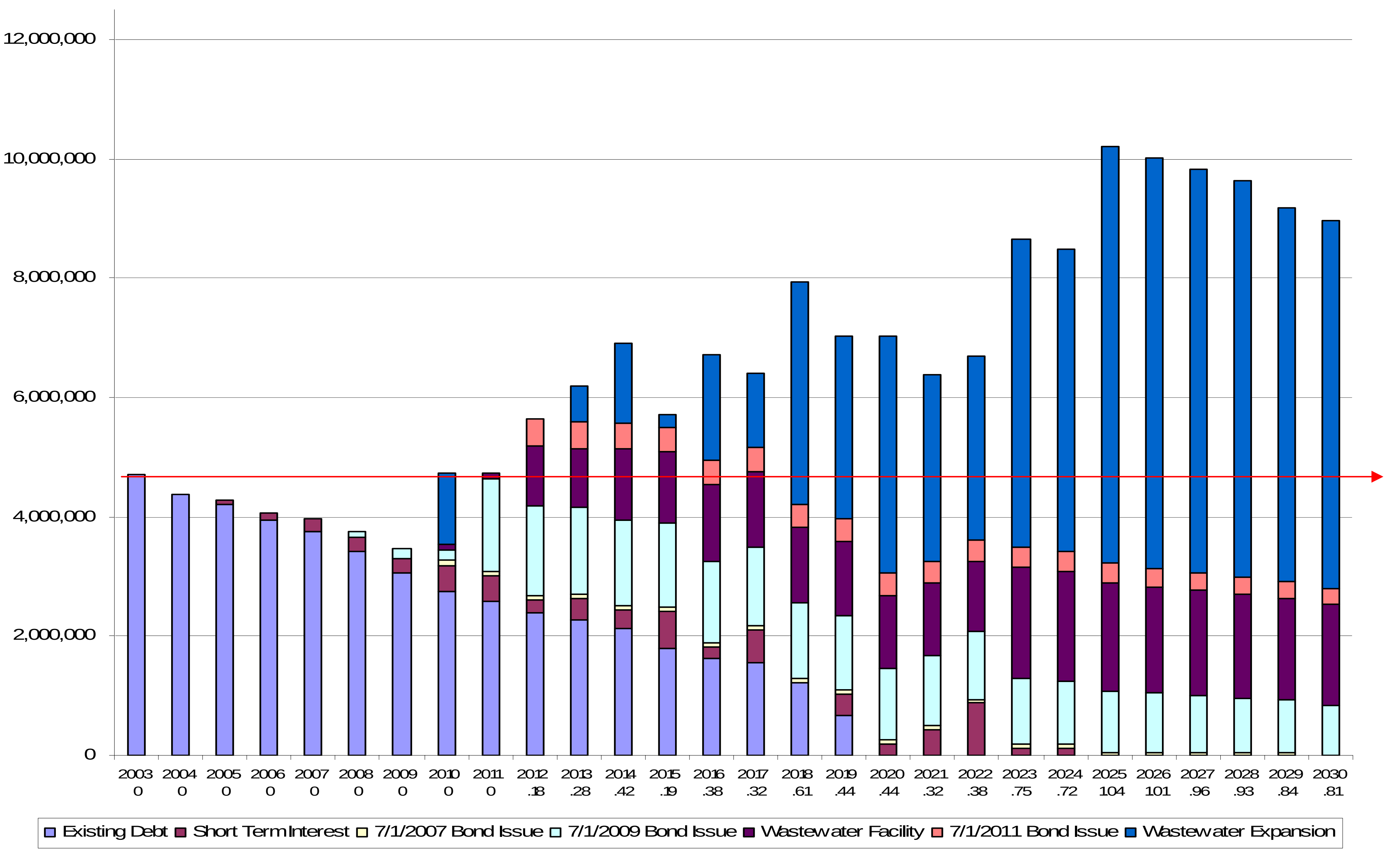


# Full Cost Sewer Revenue



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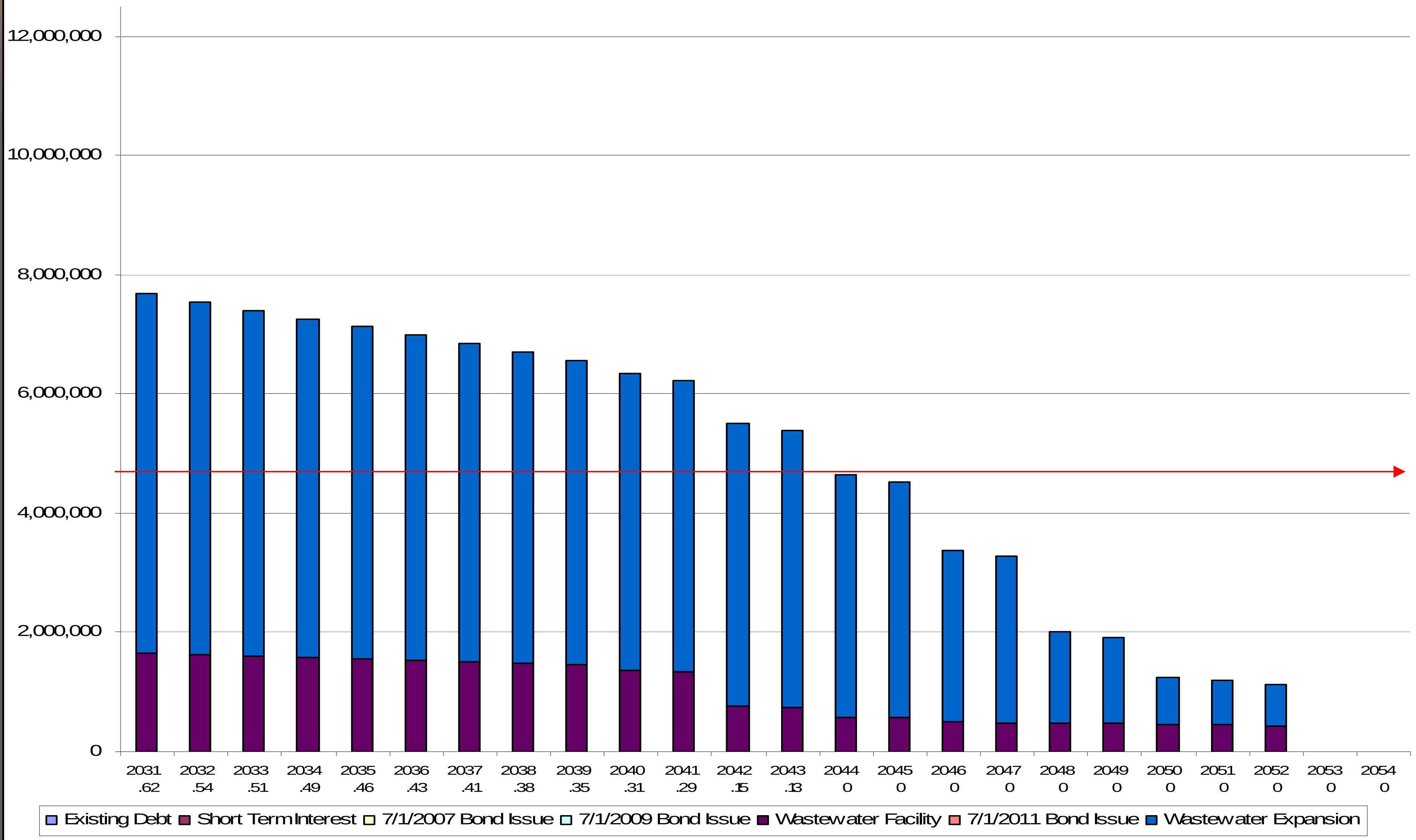

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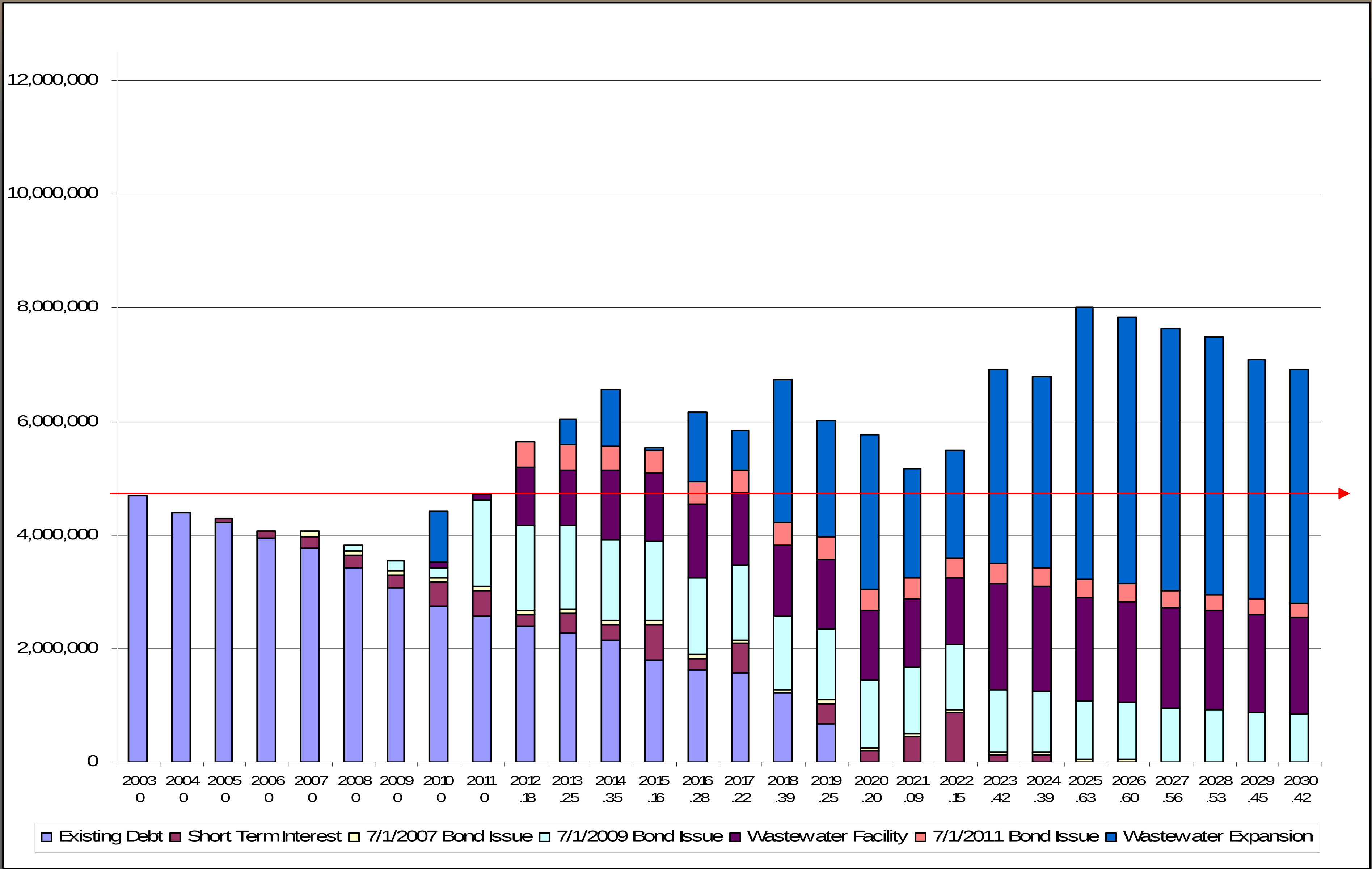

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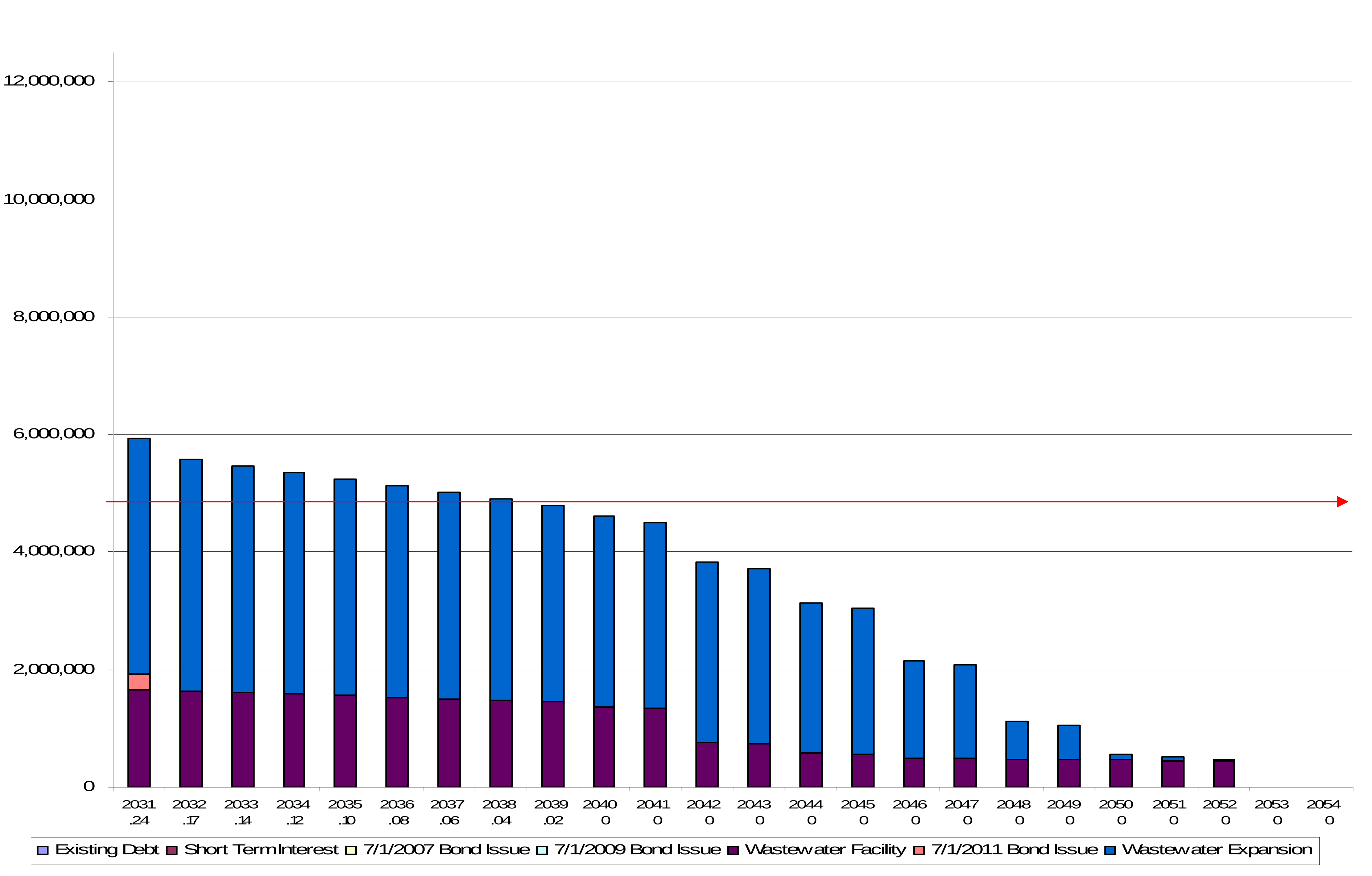

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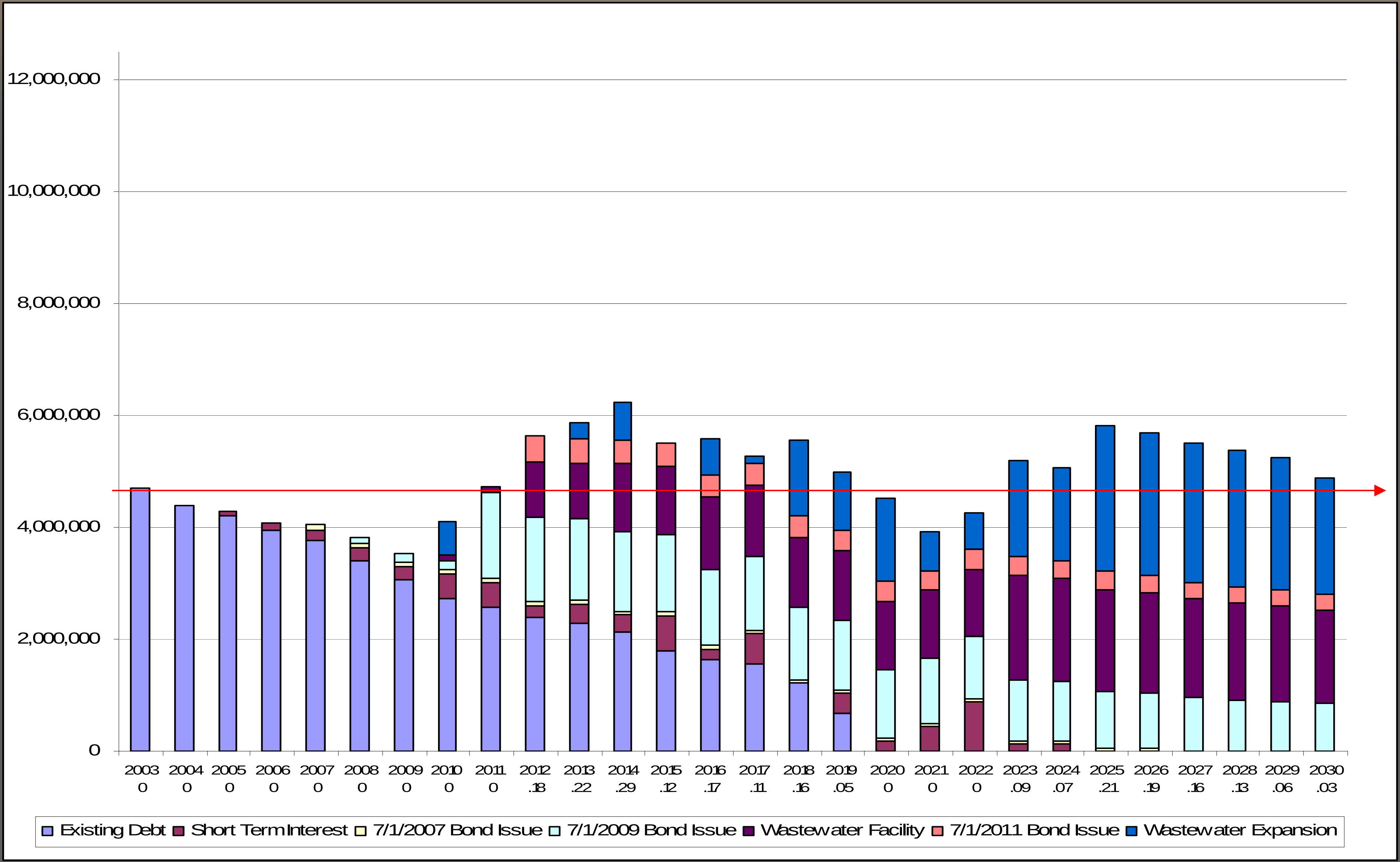

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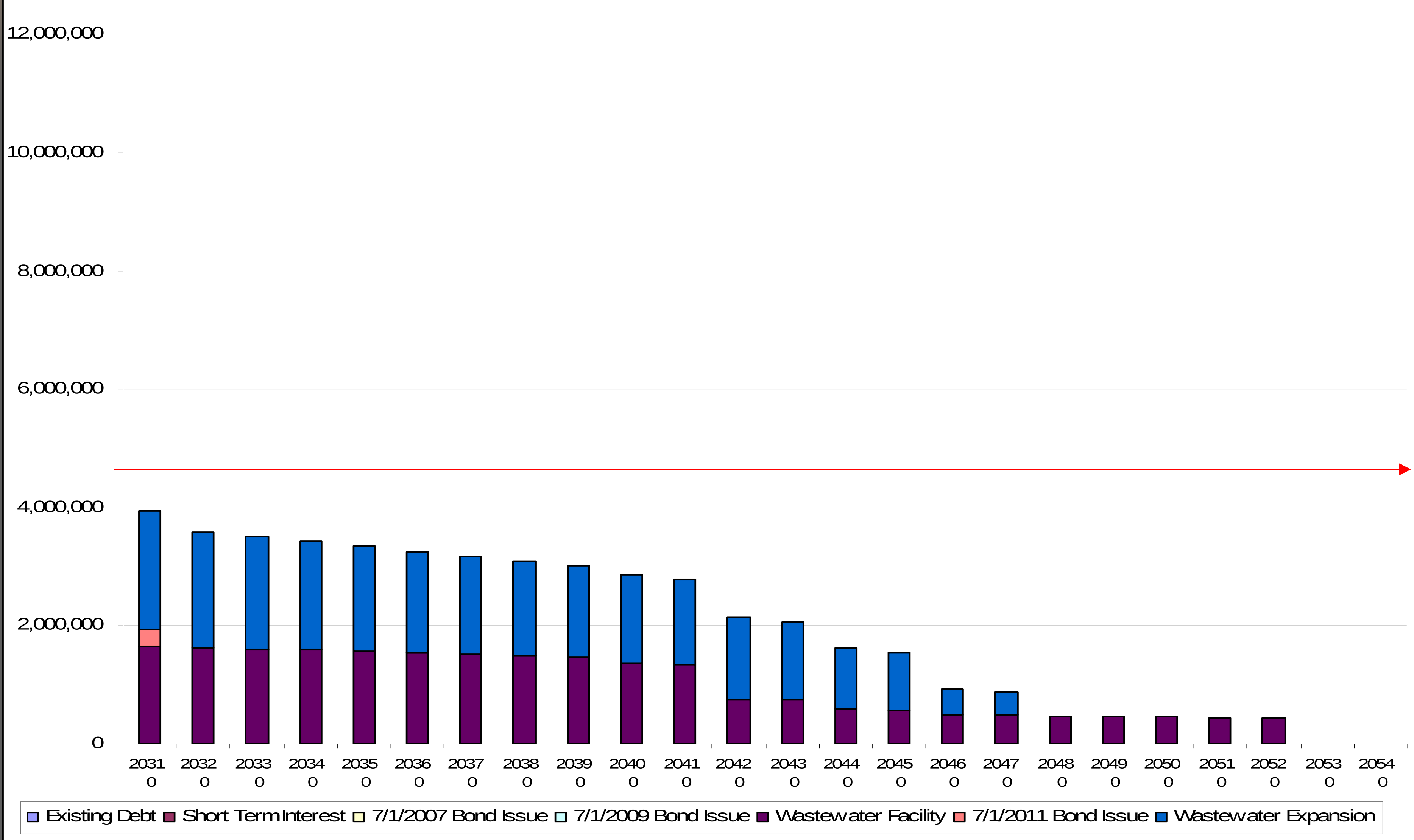

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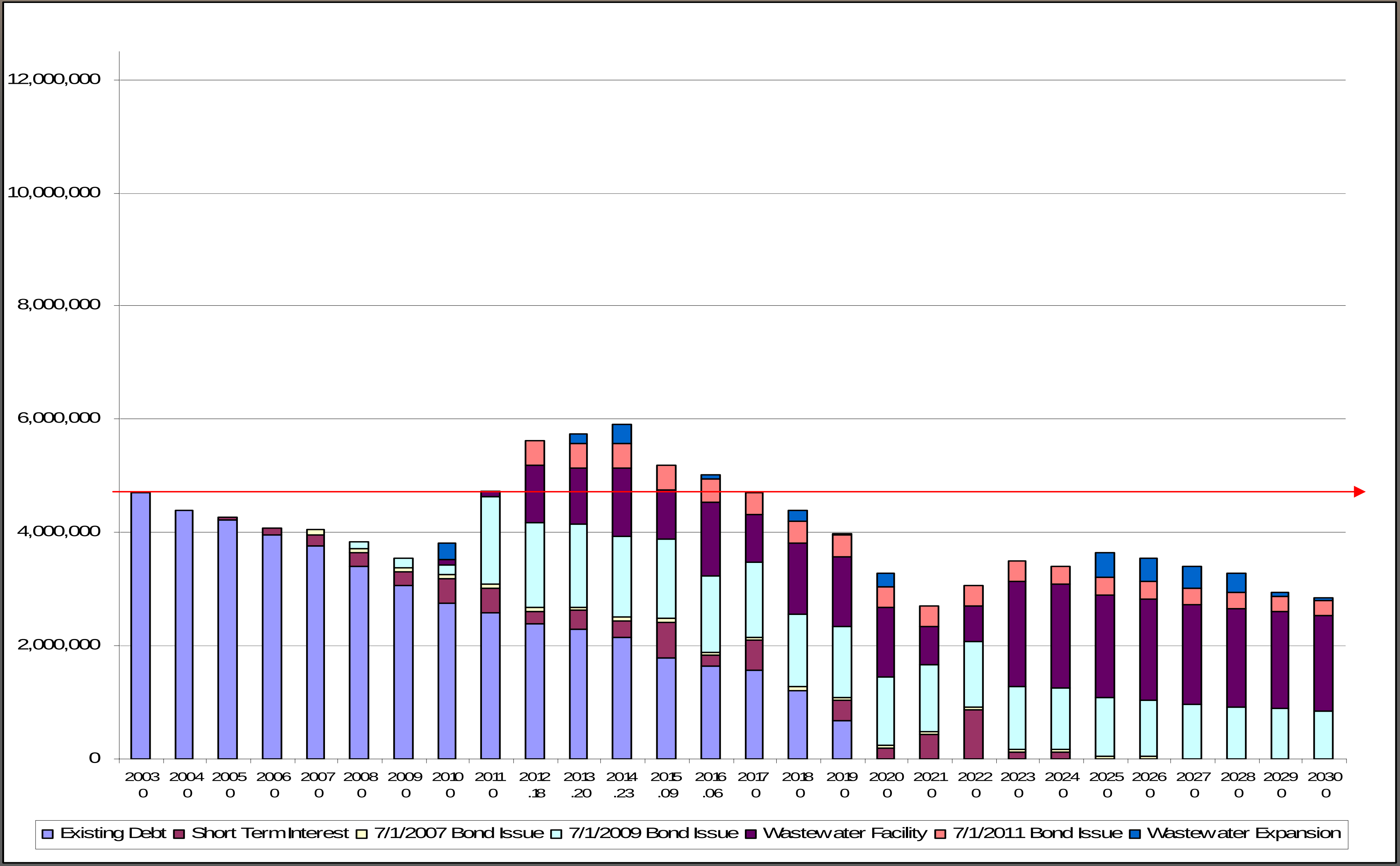

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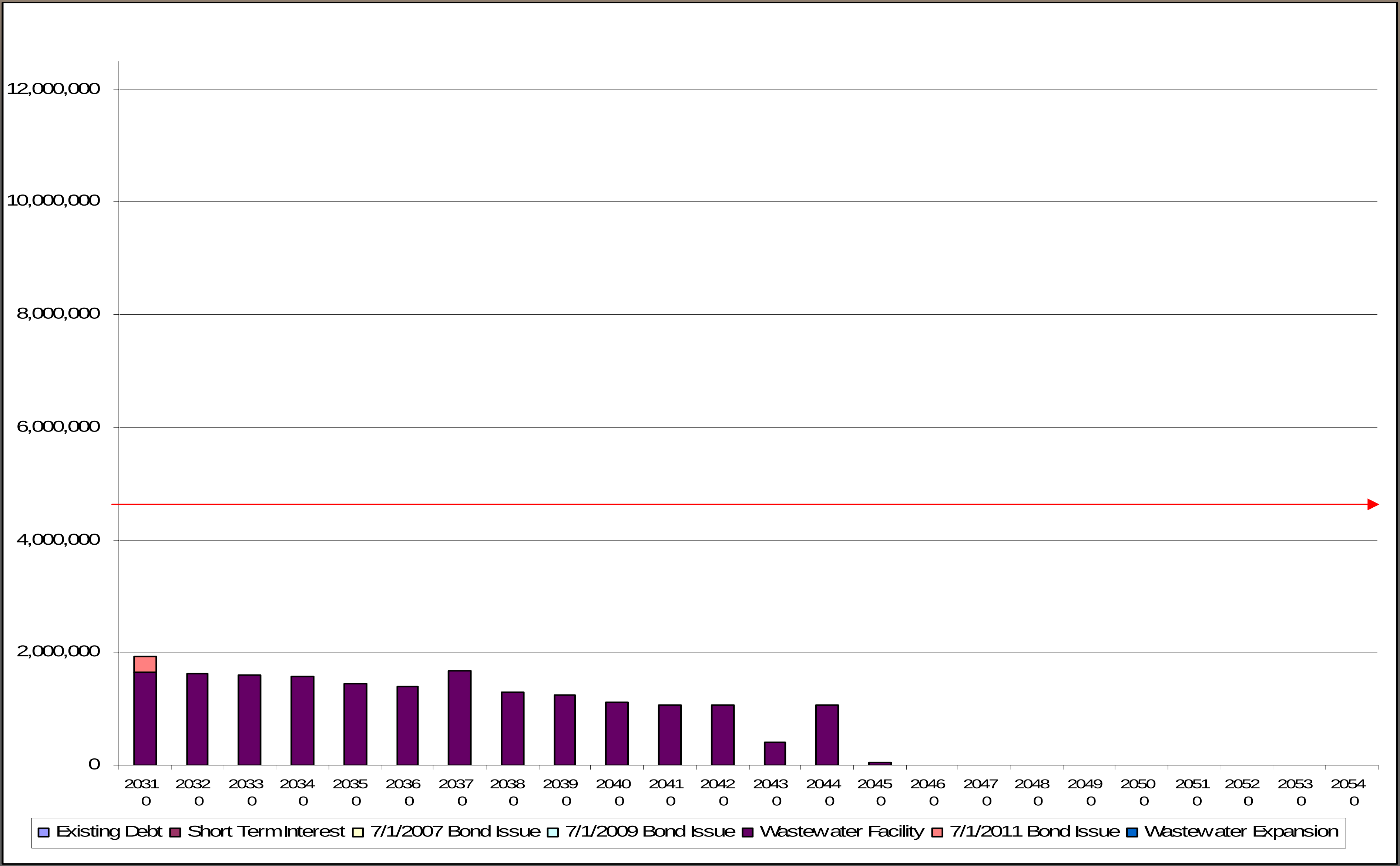
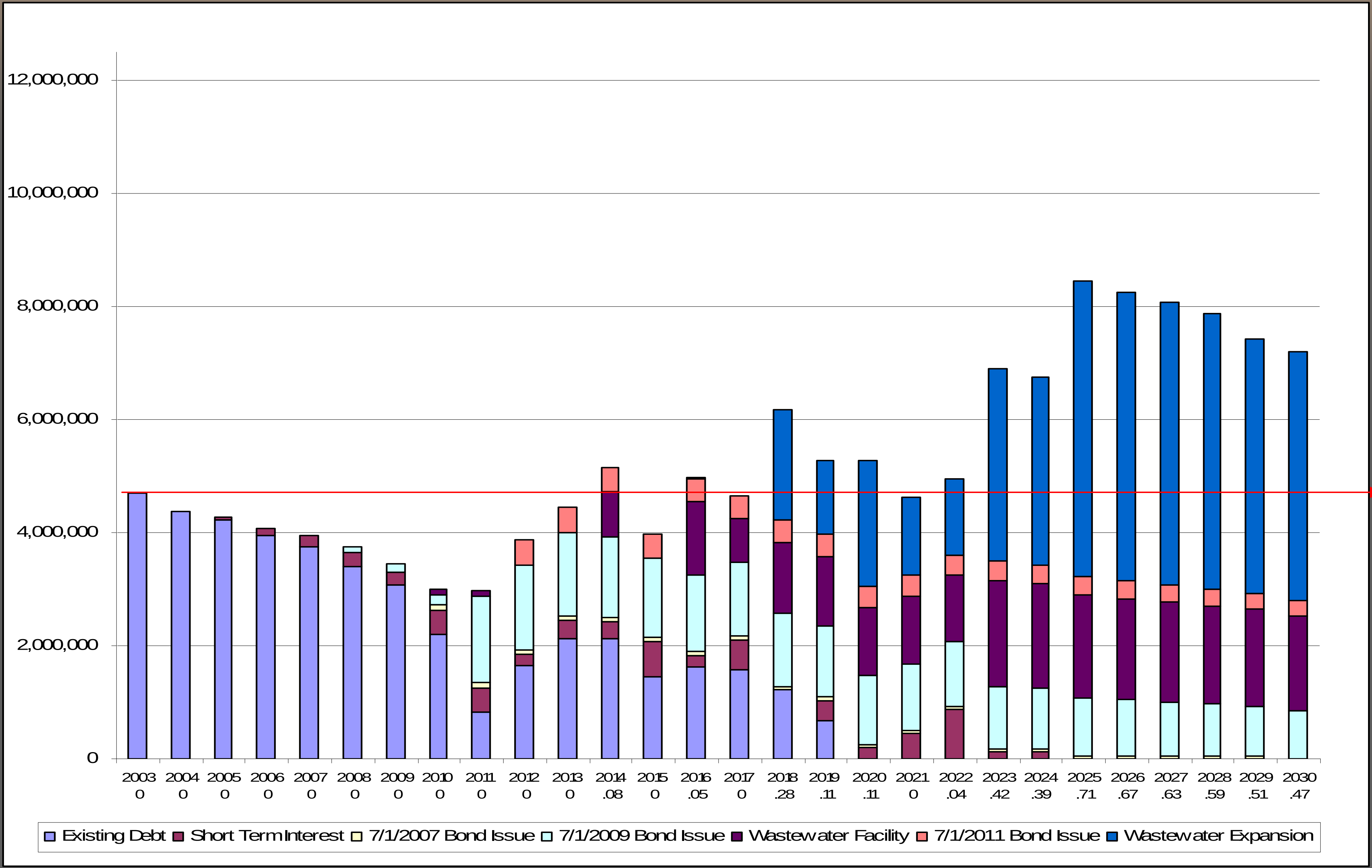


# 1% Real Estate Transfer Tax

# Full Cost with Sewer Revenue ( Transfer Tax )



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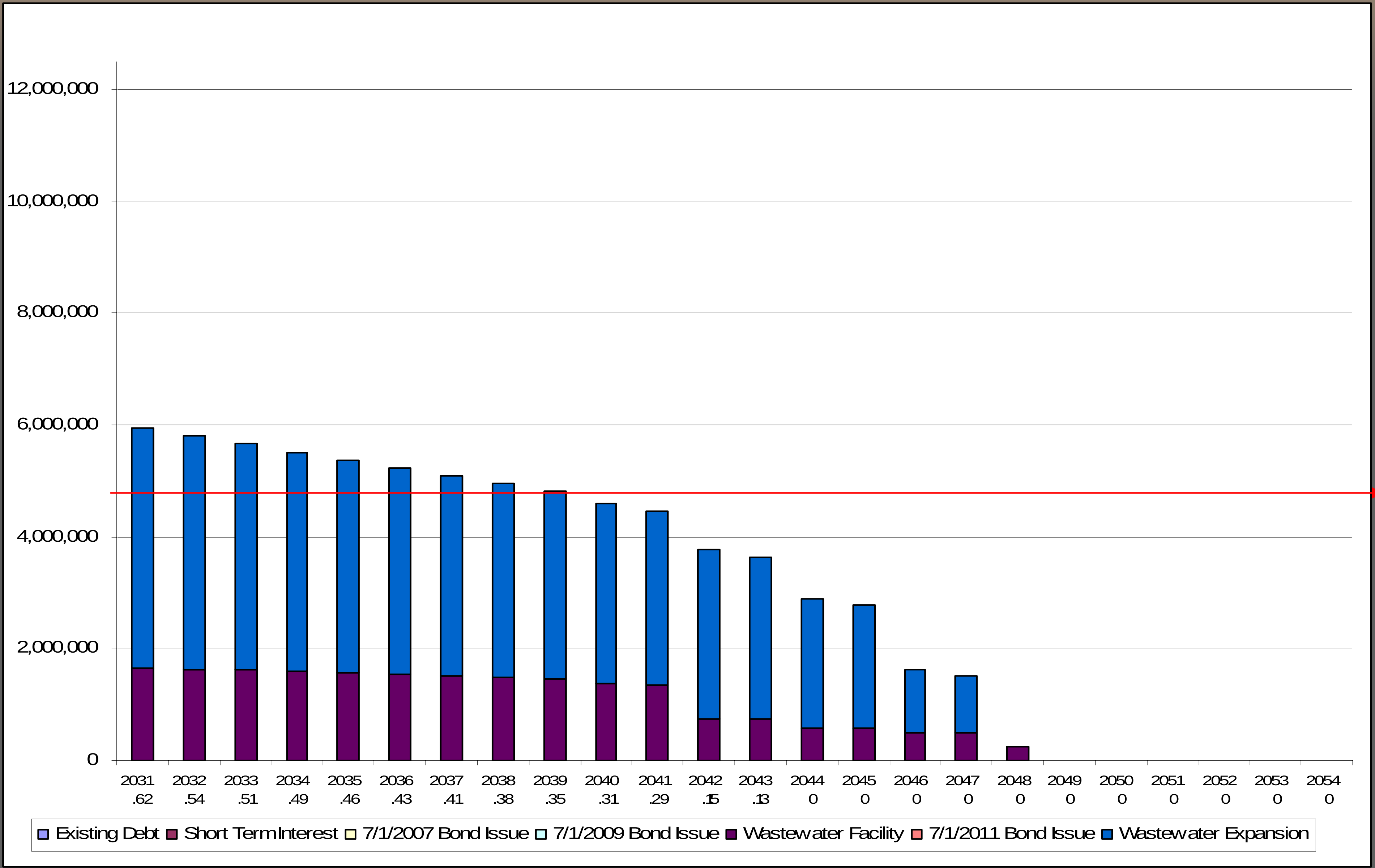
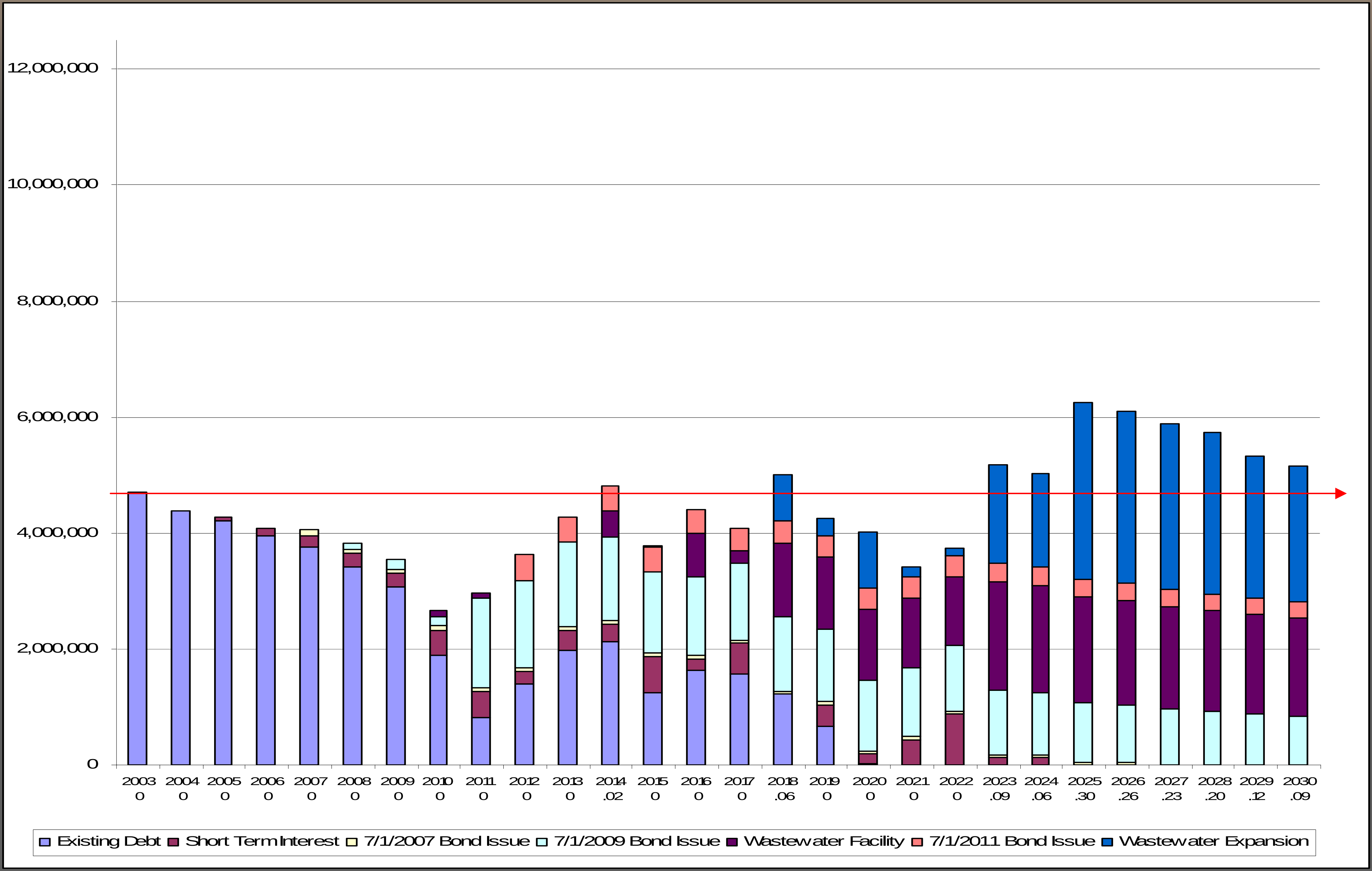


# 25% Betterment with Sewer Revenue ( Transfer Tax )



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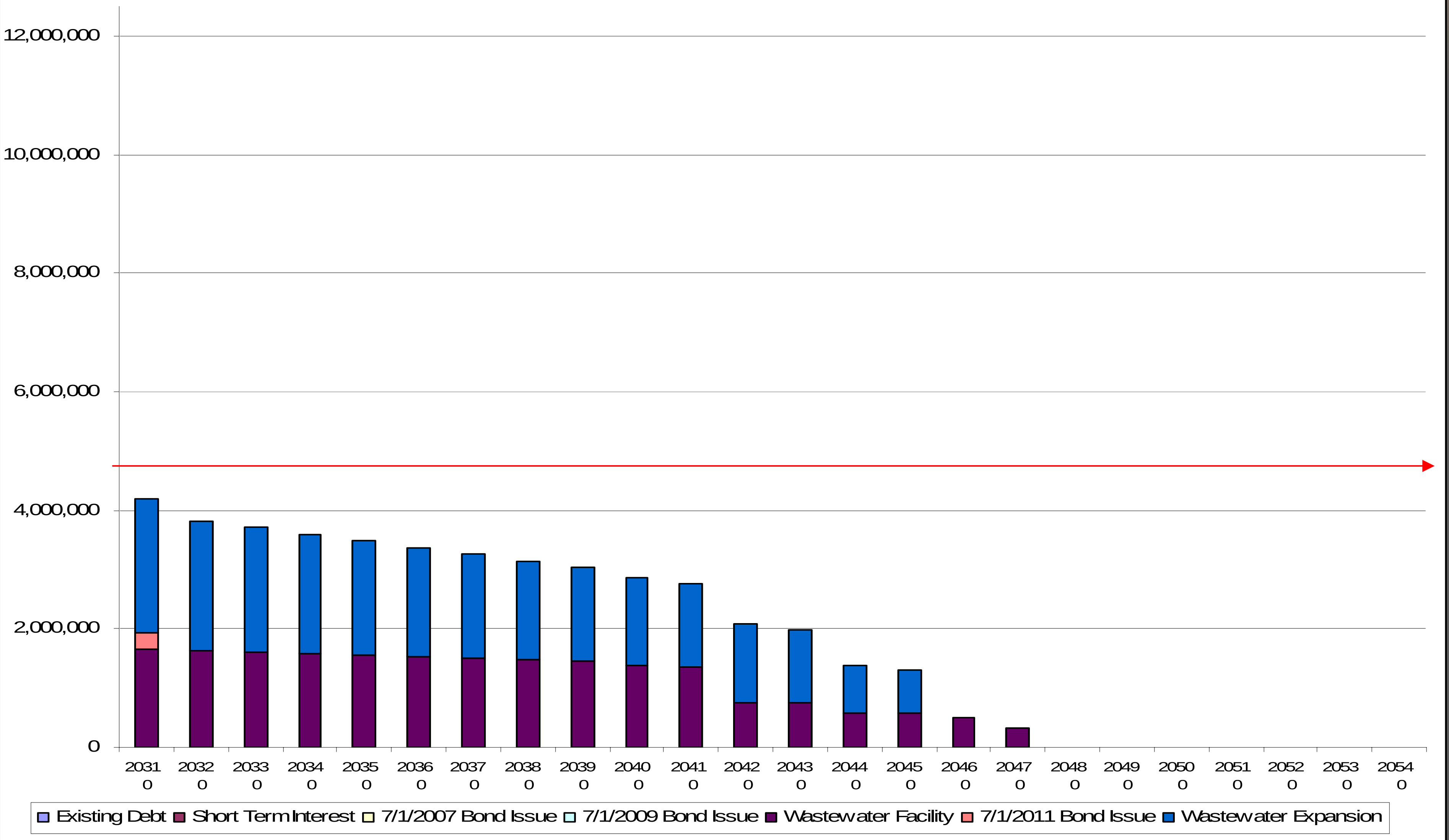
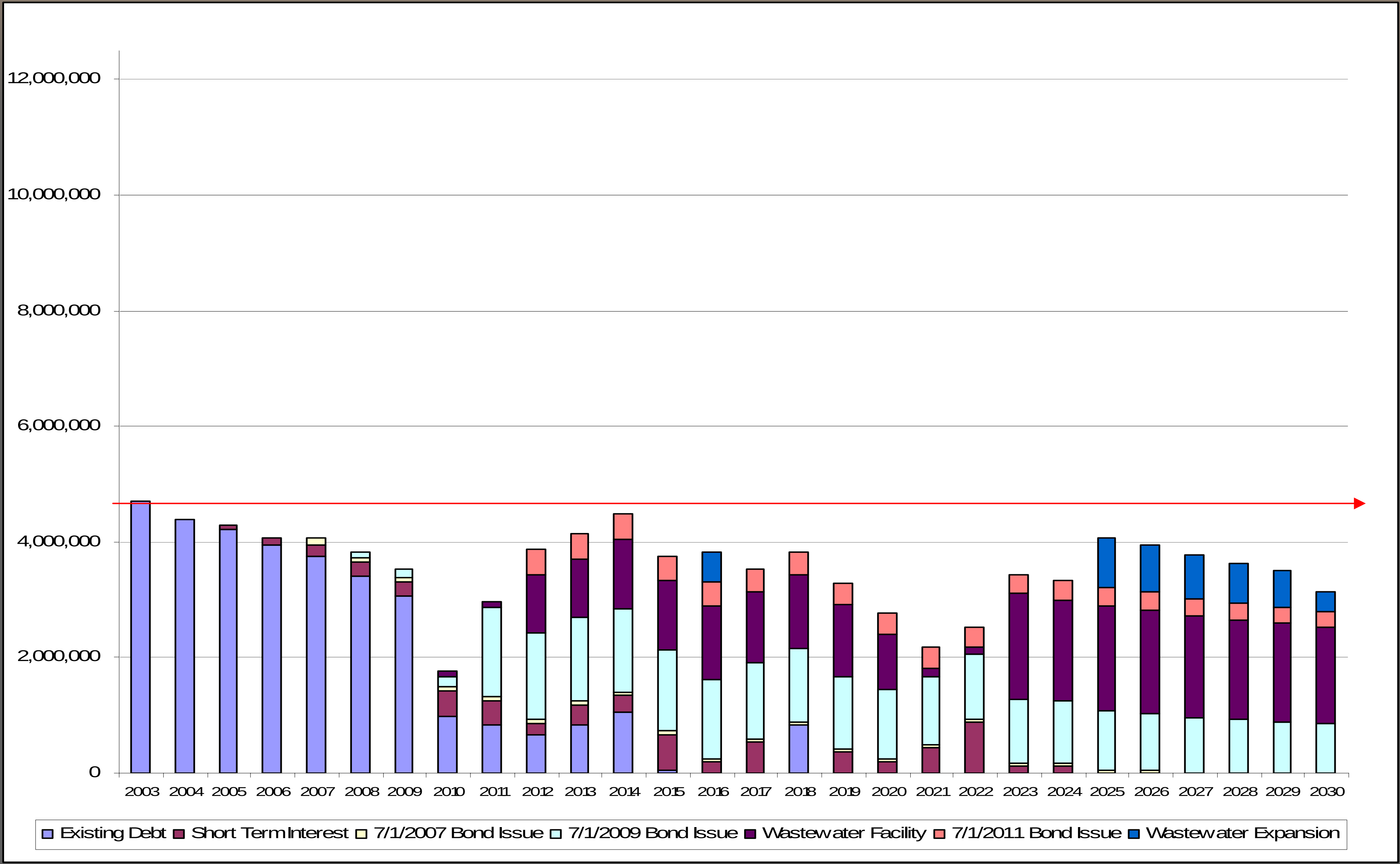


# 50% Betterment with Sewer Revenue ( Transfer Tax )



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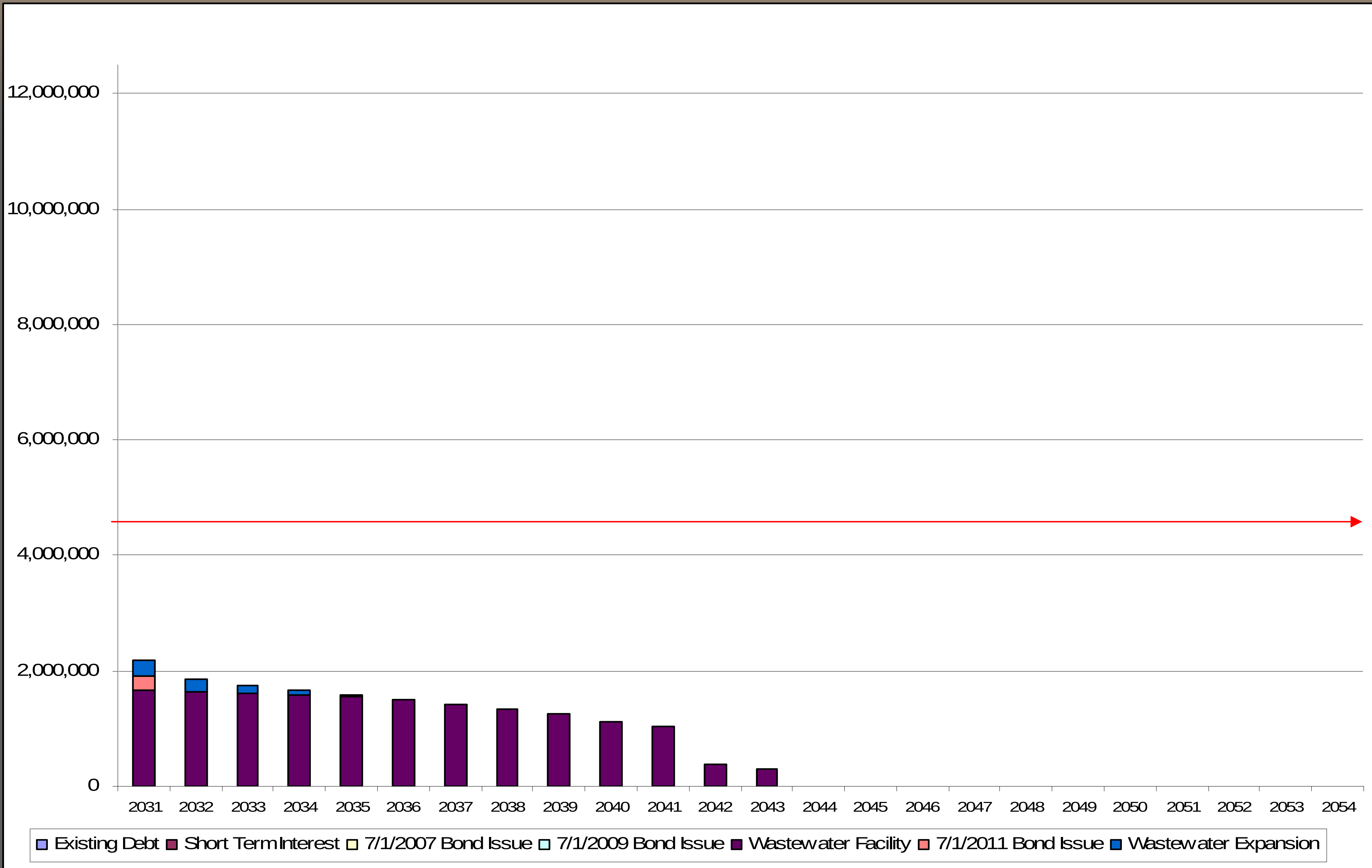

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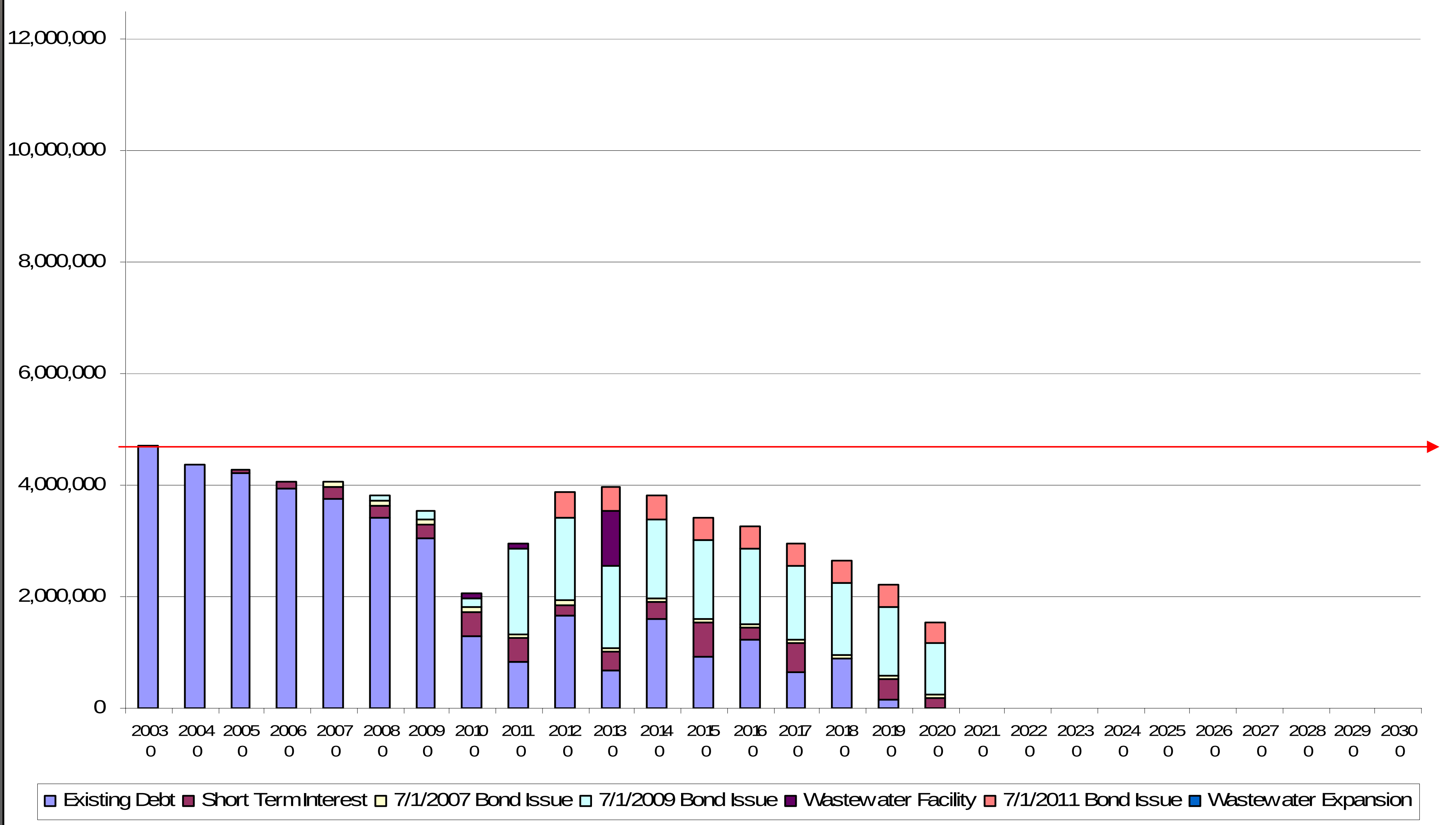

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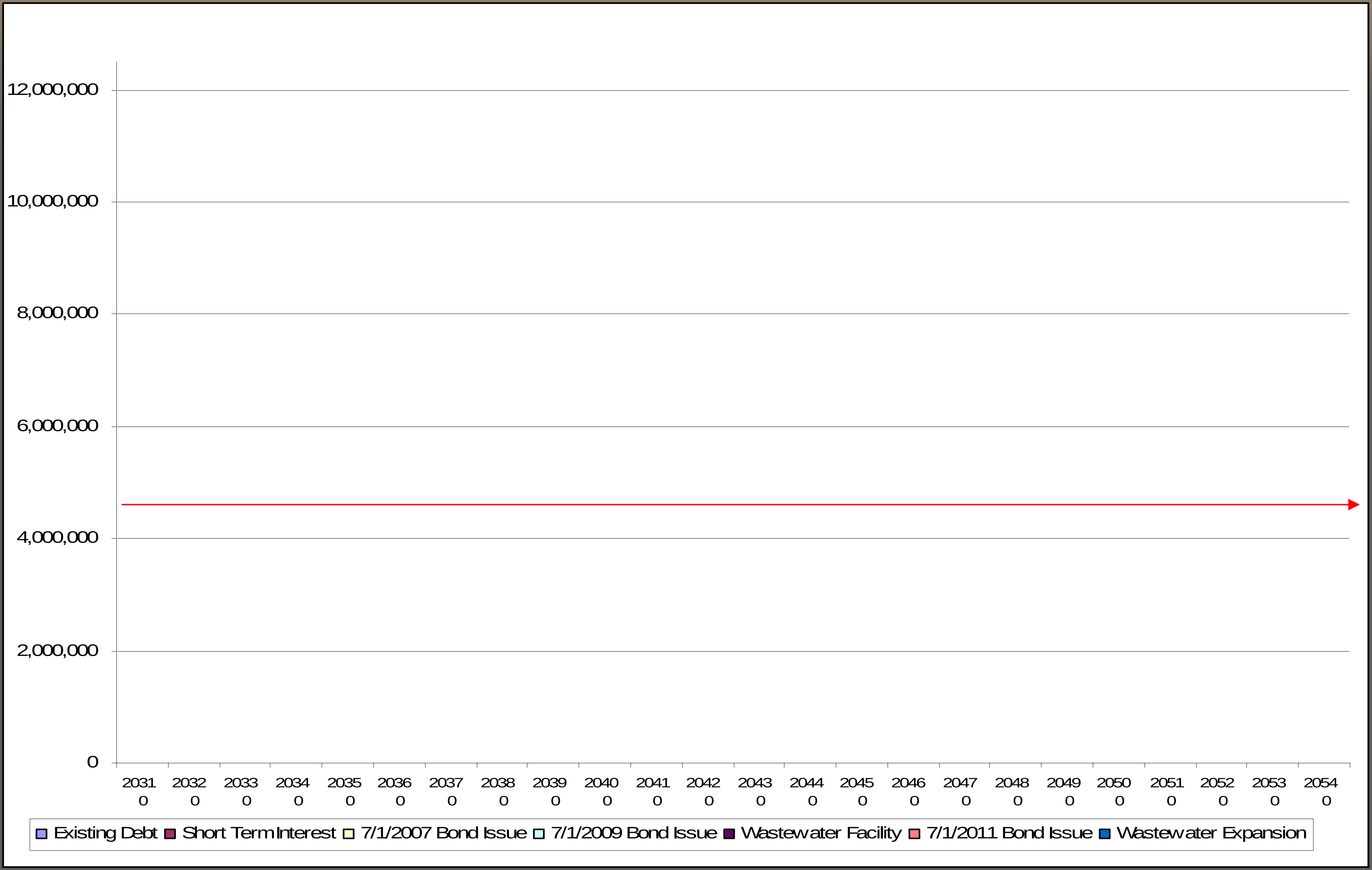


## BETTERMENT ASSESSMENTS

100% = $30,000

75% = $23,000

50% = $15,000

25% = $  8,000

## NEW CONNECTION COSTS

$2,000 - $3,000 for Average Household

## ANNUAL USER CHARGE

$400/year for Average Household

## TITLE 5 SYSTEM COST

$8,000 (3 Bedrooms)

## IA SYSTEM COST

$15,000-$20,000 (3 Bedrooms)

Plus $1,000/year maintenance

# SUMMARY Full Financial Impact ( Average Home )

Alternatives

A. No Betterment (All on Tax Rate)

$ 9,654 ( Full Tax Impact )

$ 2,000 Connection

$ 400 Annual

(slide 14)

B. 50% Betterment (Bal. on Tax Rate)

$ 1,354 ( Full Tax Impact )

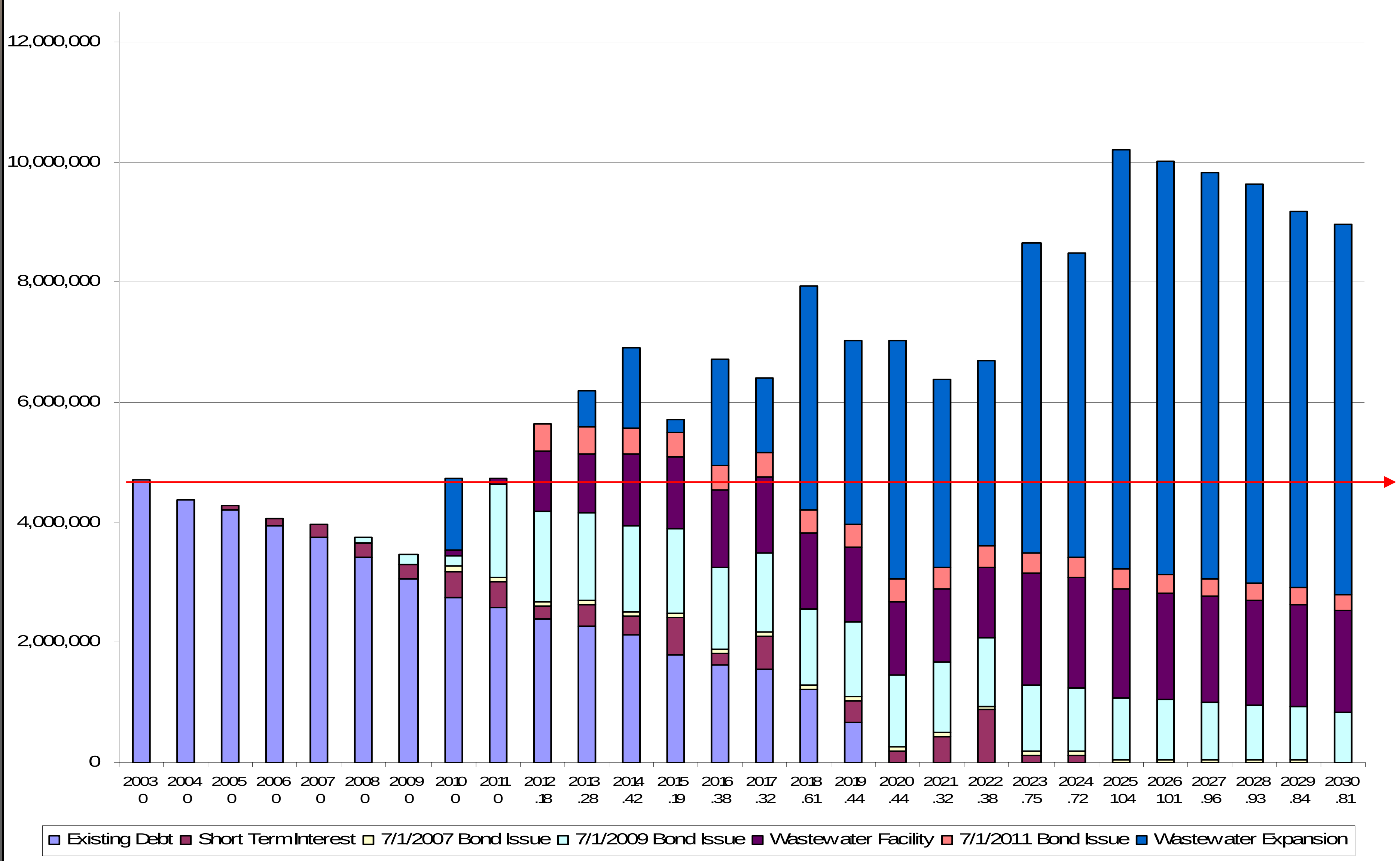
$ 2,000 Connection

$15,000 Betterment ( $6,000 interest)

$ 400 Annual

(slide 18)

# Full Cost Sewer Revenue



# SUMMARY Full Financial Impact ( Average Home ) (cont.)

C. No Betterment (with R.E.T. Tax)

$ 3,764 ( Full Tax Impact )

$ 2,000 Connection

$ 400 Annual

(slide 23)

D. 50% Betterment (with R.E.T. Tax)

$ 0 Tax

$ 2,000 Connection

$15,000 Betterment ( $ 6,000 interest)

$ 400 Annual

(slide 27)

# Purpose of Presentation

To demonstrate the fiscal impact of the implementation of the Wastewater Plan, and thereby the affordability of the balance of the capital facility plan.

# QUESTIONS…