**REGULAR CITY COUNCIL WORK SESSION**
**June 2nd, 2020**
**Council Chambers**
**4100 Lakeview Avenue North**
**Robbinsdale, Minnesota**
**Following the 7:00 p.m. regular City Council Meeting**

**Meeting will be conducted via Webex. To access the meeting, please call in to 1-312-535-8110 and enter Access Code 284 894 311. If prompted, hit #.**

# A G E N D A

1. CITY COUNCIL WORK SESSION CALLED TO ORDER BY MAYOR PRO TEM

2. ROLL CALL: Blonigan, Rogan, Selman, Backen, Mayor Murphy

3. REPORT: Water Rate Study Update

4. REPORT: Xcel Energy's "Heat Map" of electric energy use across the city

5. DISCUSSION: Next option - Green Step Cities requirements

6. REPORT: Response to questions on Clare Housing

7. REPORT: Restaurant outdoor operation regulations

8. DISCUSSION: City Hall operations -
   - Absentee/In-Person Voting Options
   - Council Chambers Use/Virtual Meetings

9. UPDATE: Problem properties

10. UPDATE: Strategic goals

11. OTHER BUSINESS

12. ADJOURNMENT

# City of Robbinsdale

## Water Rate Discussion

# Water Fund Overview

## Water Fund has been well managed

- Cash balances built over time
- Stable rates
- Utility funds benefit from recent development of multifamily buildings

# Water Fund Overview

Water Fund facing new pressures from capital projects

- $42M Water Treatment Plant and related improvements
- Average $580,000 in street related projects each year
- $1.8M water meter replacements in 2020
- $3.6M water tower replacement in 2024

# Study Assumptions

Study provides 10-year financial plan including:

- City expenses increase 3% per year
- Operating expenses increase $250,000 in 2023 for new plant
- Existing customer water use declines by 5%
- Water consumption increases from new users
  - ✓ 50 gals/unit/day for multi-family
  - ✓ North Memorial Hospital purchases water from City beginning in 2023

# Future Debt Assumptions

Water treatment plant, wells, and related costs financed by PFA Loan

- 20 year term at 1%

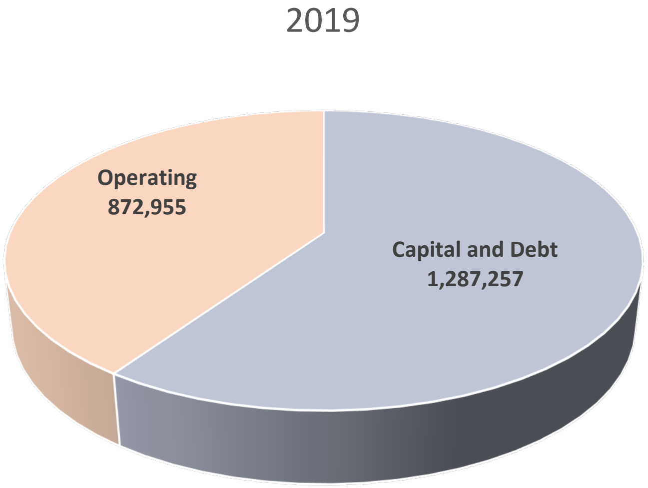
2020 Bond Issue

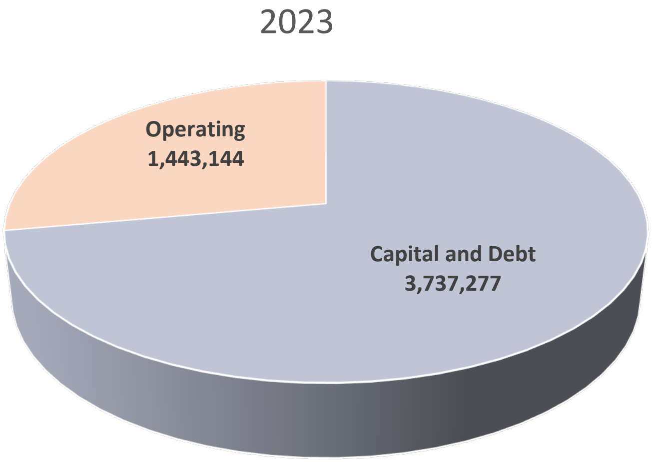
- 15 year term at 2%

Future Debt

- 10 year terms
- Used to finance capital projects over $1M

# Cost Drivers of the Water Utility



# Current Water Rates (2020)

| | |
|---|---|
| **Flat Rates** | |
| **Residential/Multi-Family** | |
| Base Fee | 12.28 |
| **Commercial** | |
| Base Fee | 12.28 |
| **Usage Rates** | |
| **Residential/Multi-Family** | |
| Capital Surcharge per 1,000 gallons | 0.67 |
| 0-12,000 gallons | 3.63 |
| 12,001 - 26K gallons | 4.87 |
| 26,001 - 40K gallons | 6.31 |
| >40,001 gallons | 9.23 |
| **Commercial** | |
| Capital Surcharge per 1,000 gallons | 0.67 |
| All Usage, per 1,000 gallons | 3.63 |
| **Irrigation** | |
| Capital Surcharge per 1,000 gallons | 0.67 |
| 0-20,000 gallons | 6.31 |
| >20,001 gallons | 9.23 |

# Proposed Water Rates Option #1

| | Existing | Proposed | | | |
|---|---|---|---|---|---|
| | 2020 | 2021 | 2022 | 2023 | 2024 |
| **Percentage Increase** | | | 5.00% | 5.00% | 5.00% |
| **Flat Rates** | | | | | |
| **Residential/Multi-Family** | | | | | |
| Base Fee | 12.28 | 20.75 | 21.79 | 22.88 | 24.02 |
| **Commercial** | | | | | |
| Base Fee | 12.28 | 20.75 | 21.79 | 22.88 | 24.02 |
| **Usage Rates** | | | | | |
| **Residential/Multi-Family** | | | | | |
| Capital Surcharge per 1,000 gallons | 0.67 | 1.75 | 1.84 | 1.93 | 2.03 |
| 0-12,000 gallons | 3.63 | 6.13 | 6.44 | 6.76 | 7.10 |
| 12,001 - 26K gallons | 4.87 | 8.23 | 8.64 | 9.07 | 9.53 |
| 26,001 - 40K gallons | 6.31 | 10.66 | 11.20 | 11.76 | 12.34 |
| >40,001 gallons | 9.23 | 15.60 | 16.38 | 17.20 | 18.06 |
| **Commercial** | | | | | |
| Capital Surcharge per 1,000 gallons | 0.67 | 1.75 | 1.84 | 1.93 | 2.03 |
| All Usage, per 1,000 gallons | 3.63 | 6.13 | 6.44 | 6.76 | 7.10 |
| **Irrigation** | | | | | |
| Capital Surcharge per 1,000 gallons | 0.67 | 1.75 | 1.84 | 1.93 | 2.03 |
| 0-20,000 gallons | 6.31 | 10.66 | 11.20 | 11.76 | 12.34 |
| >20,001 gallons | 9.23 | 15.60 | 16.38 | 17.20 | 18.06 |

# Sample Water Bills Option #1

| | Existing | Proposed | | | |
|---|---|---|---|---|---|
| | 2020 | 2021 | 2022 | 2023 | 2024 |
| **BI-MONTHLY UTILITY BILL EXAMPLE** | | | | | |
| **Residential Property** | | | | | |
| 8,000 gallons bi-monthly | | | | | |
| Base Charge | $ 12.28 | $ 20.75 | $ 21.79 | $ 22.88 | $ 24.02 |
| Capital Surcharge | 5.39 | 14.01 | 14.72 | 15.45 | 16.22 |
| Water Usage | 29.04 | 49.08 | 51.53 | 54.11 | 56.81 |
| Total Bi-Monthly Utility Bill | $ 46.71 | $ 83.85 | $ 88.04 | $ 92.44 | $ 97.06 |
| $ Increase/(Decrease) | | 37.14 | 4.19 | 4.40 | 4.62 |
| **% Increase/(Decrease)** | | **80%** | **5%** | **5%** | **5%** |
| **Residential Property** | | | | | |
| 20,000 gallons bi-monthly | | | | | |
| Base Charge | $ 12.28 | $ 20.75 | $ 21.79 | $ 22.88 | $ 24.02 |
| Capital Surcharge | 13.48 | 35.04 | 36.79 | 38.63 | 40.56 |
| Water Usage | 82.52 | 139.46 | 146.43 | 153.75 | 161.44 |
| Total Bi-Monthly Utility Bill | $ 108.28 | $ 195.25 | $ 205.01 | $ 215.26 | $ 226.02 |
| $ Increase/(Decrease) | | 86.97 | 9.76 | 10.25 | 10.76 |
| **% Increase/(Decrease)** | | **80%** | **5%** | **5%** | **5%** |
| **Commercial Property** | | | | | |
| 20,000 gallons bi-monthly | | | | | |
| Base Charge | $ 12.28 | $ 20.75 | $ 21.79 | $ 22.88 | $ 24.02 |
| Capital Surcharge | 13.48 | 35.04 | 36.79 | 38.63 | 40.56 |
| Water Usage | 72.60 | 122.69 | 128.83 | 135.27 | 142.03 |
| Total Bi-Monthly Utility Bill | $ 98.36 | $ 178.48 | $ 187.41 | $ 196.78 | $ 206.62 |
| $ Increase/(Decrease) | | 80.13 | 8.92 | 9.37 | 9.84 |
| **% Increase/(Decrease)** | | **81%** | **5%** | **5%** | **5%** |

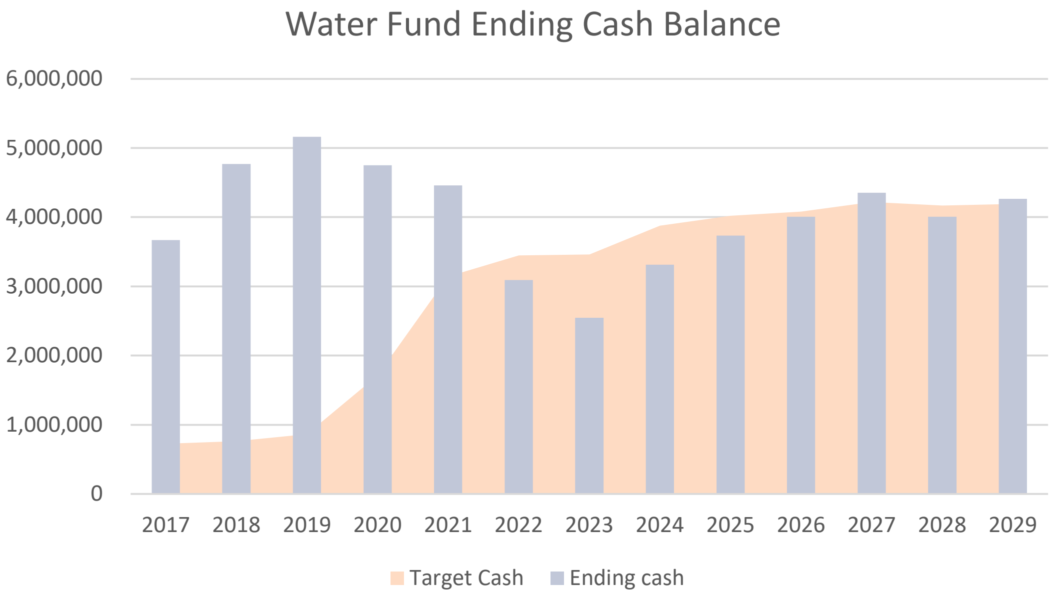
# Proposed Water Rates Option #2

| | Existing | Proposed | | | |
|---|---|---|---|---|---|
| | 2020 | 2021 | 2022 | 2023 | 2024 |
| **Percentage Increase** | | | | | **3.00%** |
| **Flat Rates** | | | | | |
| **Residential/Multi-Family** | | | | | |
| Base Fee | 12.28 | 16.58 | 20.72 | 23.83 | 24.55 |
| **Commercial** | | | | | |
| Base Fee | 12.28 | 16.58 | 20.72 | 23.83 | 24.55 |
| **Usage Rates** | | | | | |
| **Residential/Multi-Family** | | | | | |
| Capital Surcharge per 1,000 gallons | 0.67 | 1.16 | 1.82 | 2.58 | 2.66 |
| 0-12,000 gallons | 3.63 | 4.90 | 6.13 | 7.04 | 7.26 |
| 12,001 - 26K gallons | 4.87 | 6.57 | 8.22 | 9.45 | 9.73 |
| 26,001 - 40K gallons | 6.31 | 8.52 | 10.65 | 12.25 | 12.61 |
| >40,001 gallons | 9.23 | 12.46 | 15.58 | 17.91 | 18.45 |
| **Commercial** | | | | | |
| Capital Surcharge per 1,000 gallons | 0.67 | 1.16 | 1.82 | 2.58 | 2.66 |
| All Usage, per 1,000 gallons | 3.63 | 4.90 | 6.13 | 7.04 | 7.26 |
| **Irrigation** | | | | | |
| Capital Surcharge per 1,000 gallons | 0.67 | 1.16 | 1.82 | 2.58 | 2.66 |
| 0-20,000 gallons | 6.31 | 8.52 | 10.65 | 12.25 | 12.61 |
| >20,001 gallons | 9.23 | 12.46 | 15.58 | 17.91 | 18.45 |

# Sample Water Bills Option #2

| | Existing | Proposed | | | |
|---|---|---|---|---|---|
| | 2020 | 2021 | 2022 | 2023 | 2024 |
| **BI-MONTHLY UTILITY BILL EXAMPLE** | | | | | |
| **Residential Property** | | | | | |
| 8,000 gallons bi-monthly | | | | | |
| Base Charge | $ 12.28 | $ 16.58 | $ 20.72 | $ 23.83 | $ 24.55 |
| Capital Surcharge | 5.39 | 9.27 | 14.56 | 20.67 | 21.29 |
| Water Usage | 29.04 | 39.20 | 49.01 | 56.36 | 58.05 |
| Total Bi-Monthly Utility Bill | $ 46.71 | $ 65.05 | $ 84.28 | $ 100.86 | $ 103.88 |
| $ Increase/(Decrease) | | 18.34 | 19.23 | 16.57 | 3.03 |
| **% Increase/(Decrease)** | | **39%** | **30%** | **20%** | **3%** |
| **Residential Property** | | | | | |
| 20,000 gallons bi-monthly | | | | | |
| Base Charge | $ 12.28 | $ 16.58 | $ 20.72 | $ 23.83 | $ 24.55 |
| Capital Surcharge | 13.48 | 23.18 | 36.39 | 51.67 | 53.22 |
| Water Usage | 82.52 | 111.40 | 139.25 | 160.14 | 164.94 |
| Total Bi-Monthly Utility Bill | $ 108.28 | $ 151.16 | $ 196.36 | $ 235.64 | $ 242.71 |
| $ Increase/(Decrease) | | 42.88 | 45.21 | 39.28 | 7.07 |
| **% Increase/(Decrease)** | | **40%** | **30%** | **20%** | **3%** |
| **Commercial Property** | | | | | |
| 20,000 gallons bi-monthly | | | | | |
| Base Charge | $ 12.28 | $ 16.58 | $ 20.72 | $ 23.83 | $ 24.55 |
| Capital Surcharge | 13.48 | 23.18 | 36.39 | 51.67 | 53.22 |
| Water Usage | 72.60 | 98.01 | 122.51 | 140.89 | 145.12 |
| Total Bi-Monthly Utility Bill | $ 98.36 | $ 137.77 | $ 179.62 | $ 216.39 | $ 222.88 |
| $ Increase/(Decrease) | | 39.41 | 41.86 | 36.77 | 6.49 |
| **% Increase/(Decrease)** | | **40%** | **30%** | **20%** | **3%** |

# Water Fund Projected Cash Balances




Target Working Capital is 6 months of operating expenses plus 100% of next year's debt service

# Conclusions

Water fund has been prudently managed

Significant water treatment plant and other improvements necessitate major rate increase(s)

North Memorial will generate over $400,000 per year in revenue

- Ensure agreement/ordinance is in place

# Recommendations

Consider proposed rates as part of fee ordinance next fall

Use rate study to guide capital spending/bonding decisions

Update rate study upon completion of water treatment plant

**City of Robbinsdale, MN**
**Water System**
**Capital Improvement Program**

| Projects | Project # | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CAPITAL EQUIPMENT** | | | | | | | | | | | |
| Plant #3 Backup Generator | 527 | | | | | | 60,000 | | | | |
| Water Plant Equipment | 599 | 20,000 | 20,000 | | | | | | | | |
| | | | | | | | | | | | |
| **PROJECTS** | | | | | | | | | | | |
| Valve Replacement Program | 504 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 25,000 | 25,000 | 25,000 | 25,000 |
| Well No. 5 - Upgrade | 508 | | | 28,000 | | | | | | | |
| Reconstruct Tower No. 1 | 510 | | 3,919,300 | | | | | | | | |
| 37th Ave Loop Connection | 518 | | | | 35,000 | | | | | | |
| Replacement of Citywide Water Meters | 531 | 1,840,000 | 75,000 | | | | | | | | |
| Bottineau Light Rail Utility Replacements | 536 | 300,000 | | 200,000 | | | | | 200,000 | | |
| Well/Treatment Plants - Replace Doors | 537 | 10,000 | | | | | | | | | |
| Replacement Drinking Water Wells | 540 | 1,466,350 | | | | | | | | | |
| Tower 2 (Oakdale) Rehabilitation | 541 | 30,000 | | | | | | | | | |
| 39th Avenue - Upgrade Water Crossing at TH1 | 544 | 14,000 | | | | | 100,000 | | | | |
| Indiana/36th - Raw Water Line to New Plant | 546 | 50,000 | 300,000 | | | | | | | | |
| Tower #2 - Replacement Tower | 548 | | | | | 3,600,000 | | | | | |
| Water Efficiency Grants match | 549 | 2,000 | 2,000 | 2,000 | | | | | | | |
| Installation of Fiber Routes | 550 | 25,000 | 25,000 | 25,000 | 25,000 | | | | | | |
| Water Treatment Plant | 532 | 10,000,000 | 21,762,411 | 5,000,000 | | | | | | | |
| | | | | | | | | | | | |
| Future Placeholder | | | | | | | | | | | |
| **Actual Water CIP (2020 Dollars)** | | **13,777,350** | **26,123,711** | **5,275,000** | **80,000** | **3,620,000** | **180,000** | **25,000** | **225,000** | **25,000** | **25,000** |
| **Inflated CIP** | | **13,777,350** | **26,141,391** | **5,297,440** | **89,989** | **4,234,888** | **218,998** | **31,633** | **296,085** | **34,214** | **35,583** |

**City of Robbinsdale, MN**
**Water System**
**Capital Improvement Program**

| Projects | Project # | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **STREET PROJECTS** | | | | | | | | | | | |
| Lakeview Terrace Park | 249 | | 6,000 | | | | | | | | |
| Ewing Ave - (27th to 29th) | 337 | | | | | | | | | | 7,790 |
| West Broadway (42nd - 47th) | 339 | | | | | | | | 249,000 | | |
| France - 31st to 33rd | 344 | | | | | | | | 145,380 | | |
| County Road 9 - (CR81 to Parkway) | 352 | 55,685 | | | | | | | | | |
| Xenia/Welcome/41st | 370 | | | | | | | 54,370 | | 416,820 | |
| Yates/Zane/41st Reconstruction | 371 | | | | | | | | | | 340,000 |
| Grimes/Halifax/Islemount/42nd/43rd | 372 | | | | | | | 567,430 | | | |
| Drew/McNair - 27th to Lowry | 378 | | | | | | | | 221,185 | | |
| Shoreline/Chowen - CR81 to 43rd | 379 | | | | | | 380,000 | | | | |
| Lee/Major/37th/39th | 381 | | 331,900 | | | | | | | | |
| France/Grimes/Hummard/37th/38th | 382 | | | 455,000 | | | | | | | |
| Chowen Ave - 42rd to Lake Drive | 383 | | 119,660 | | | | | | | | |
| Xerxes/york - 26th to Parkview | 384 | | | | | | | 326,620 | | | |
| CR9 - Regent to Broadway | 406 | | | | | | 199,690 | | | | |
| Oakdale Ave - Broadway to Abbott | 430 | | | | 250,000 | | | | | | |
| June Ave - 35th to cul de sac | 431 | | | | | | | | 100,000 | | |
| Hubbard Ave - (41 1/2 to CR9) | 432 | | | | | | 60,000 | | | | |
| Beard Avenue - 43rd Ave to CR9 | 438 | 146,000 | | | | | | | | | |
| Regent Ave (CR9 to RR) | 439 | | | 400,000 | | | | | | | |
| Regent Ave 38th to 41st | 440 | | | | 390,000 | | | | | | |
| 41st Ave (RR to Regent) | 441 | | | | 80,000 | | | | | | |
| West Broadway (40th to CR9) | 445 | | | 60,000 | | | | | | | |
| 41st Ave (RR to CR81) | 446 | | | 30,000 | | | | | | | |
| Hubbard Ave (41st to 41 1/2) | 447 | | | | | | 80,000 | | | | |
| 38th - Railroad to Hubbard | TBD | | | 66,640 | | | | | | | |
| West Broadway - 37th to 39th | TBD | | | | | | | | | 250,000 | |
| | | | | | | | | | | | |
| Future Capital (Placeholder) | | | | | | | | | | | |
| **Actual Street Water CIP (2020 Dollars)** | | **201,685** | **457,560** | **1,011,640** | **720,000** | **0** | **719,690** | **948,420** | **715,565** | **666,820** | **347,790** |
| **Streets Reduction** | | **100%** | **100%** | **100%** | **100%** | **100%** | **100%** | **100%** | **100%** | **100%** | **100%** |
| **Target Streets Water CIP** | | **201,685** | **457,560** | **1,011,640** | **720,000** | **0** | **719,690** | **948,420** | **715,565** | **666,820** | **347,790** |
| **Inflated Streets CIP** | | **201,685** | **475,862** | **1,094,190** | **809,902** | **0** | **875,613** | **1,200,054** | **941,635** | **912,589** | **495,014** |
| | | | | | | | | | | | |
| **Percent Inflation** | | **4%** | **4%** | **4%** | **4%** | **4%** | **4%** | **4%** | **4%** | **4%** | **4%** |
| **Total Target Inflated Project Costs** | | **13,979,035** | **26,617,253** | **6,391,630** | **899,891** | **4,234,888** | **1,094,610** | **1,231,687** | **1,237,719** | **946,803** | **530,596** |

EHLERS
PUBLIC FINANCE ADVISORS

**City of Robbinsdale, MN**
**Utility Rate Study**
**Option #1**

**Water Fund**

| | | Actual | | Unaudited | Budget | Projected | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
| 1 | Rates Inflation | | | | | | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| 2 | Revenue growth assumption - non-usage | | | | | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| 3 | Investment income yield | | | | | 1.50% | 1.50% | 1.50% | 1.50% | 1.50% | 1.50% | 1.50% | 2.00% | 2.00% |
| 4 | Expense growth - general and administrative | | | | | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| 5 | Expense growth - contractual | | | | | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| 6 | Expense growth - non personnel | | | | | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| 7 | | | | | | | | | | | | | | |
| 8 | Beginning net assets | 8,761,594 | 9,396,390 | 10,643,810 | 12,362,352 | 13,114,099 | 14,572,423 | 16,011,466 | 17,519,129 | 19,257,889 | 21,156,541 | 23,215,292 | 25,442,717 | 27,882,546 |
| 9 | | | | | | | | | | | | | | |
| 10 | Operating Revenues | | | | | | | | | | | | | |
| 11 | Water sales | 1,606,237 | 1,765,214 | 1,794,614 | 1,935,282 | 3,501,098 | 3,676,153 | 4,063,159 | 4,479,674 | 4,703,658 | 4,938,840 | 5,185,782 | 5,445,072 | 5,717,325 |
| 12 | Miscellaneous Revenues | 115,421 | 117,738 | 110,779 | 116,318 | 116,318 | 116,318 | 116,318 | 116,318 | 116,318 | 116,318 | 116,318 | 116,318 | 116,318 |
| 13 | Revenue Due to Growth | 0 | 0 | 0 | 6,903 | 25,032 | 60,348 | 63,365 | 66,533 | 69,860 | 73,353 | 77,021 | 80,871 | 84,915 |
| 14 | Total Operating Revenues | 1,721,658 | 1,882,952 | 1,905,393 | 2,058,503 | 3,642,448 | 3,852,819 | 4,242,842 | 4,662,525 | 4,889,836 | 5,128,511 | 5,379,121 | 5,642,261 | 5,918,558 |
| 15 | | | | | | | | | | | | | | |
| 16 | Operating Expenses | | | | | | | | | | | | | |
| 17 | Personnel | 225,047 | 233,982 | 275,263 | 269,609 | 277,697 | 286,028 | 294,609 | 303,447 | 312,550 | 321,927 | 331,585 | 341,533 | 351,779 |
| 18 | Supplies | 57,745 | 76,310 | 64,170 | 101,680 | 104,730 | 107,872 | 360,000 | 370,800 | 381,924 | 393,382 | 405,183 | 417,338 | 429,858 |
| 19 | Other | 552,104 | 481,429 | 533,522 | 721,621 | 743,270 | 765,568 | 788,535 | 812,191 | 836,557 | 861,654 | 887,504 | 914,129 | 941,553 |
| 20 | Depreciation | 193,703 | 207,207 | 155,170 | 200,000 | 1,087,242 | 1,300,296 | 1,330,292 | 1,471,455 | 1,507,942 | 1,548,998 | 1,590,255 | 1,621,815 | 1,639,502 |
| 21 | Total Operating Expenses | 1,028,599 | 998,928 | 1,028,125 | 1,292,910 | 2,212,939 | 2,459,764 | 2,773,436 | 2,957,893 | 3,038,973 | 3,125,961 | 3,214,527 | 3,294,815 | 3,362,692 |
| 22 | | | | | | | | | | | | | | |
| 23 | Net Operations | 693,059 | 884,024 | 877,268 | 765,593 | 1,429,509 | 1,393,055 | 1,469,406 | 1,704,632 | 1,850,863 | 2,002,550 | 2,164,594 | 2,347,446 | 2,555,866 |
| 24 | Non operating revenues (expenses) | | | | | | | | | | | | | |
| 25 | Interest income | 55,928 | 79,345 | 109,097 | 40,000 | 71,265 | 78,658 | 60,769 | 47,279 | 54,148 | 57,031 | 58,968 | 84,538 | 78,706 |
| 26 | Net change in value of investments | (15,890) | (7,886) | 33,137 | | | | | | | | | | |
| 27 | Connection Fees | 0 | 385,613 | 490,449 | 39,510 | 40,695 | 41,916 | 43,173 | 44,468 | 45,802 | 47,176 | 48,591 | 50,049 | 51,550 |
| 28 | Interest and other expenses | (55,745) | (55,185) | (49,965) | (78,356) | (48,745) | (39,499) | (29,894) | (21,113) | (14,925) | (10,025) | (5,988) | (2,687) | (525) |
| 29 | Intergovernmental | 51 | 890 | 342,879 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 30 | Transfers in / (out) | (42,607) | (39,381) | (84,323) | (15,000) | (34,400) | (35,088) | (35,790) | (36,506) | (37,236) | (37,981) | (38,741) | (39,516) | (40,306) |
| 31 | Total non operating revenue (expenses) | (58,263) | 363,396 | 841,274 | (13,846) | 28,815 | 45,987 | 38,258 | 34,128 | 47,789 | 56,201 | 62,830 | 92,384 | 89,425 |
| 32 | | | | | | | | | | | | | | |
| 33 | Net increase (decrease) in resources | 634,796 | 1,247,420 | 1,718,542 | 751,747 | 1,458,324 | 1,439,042 | 1,507,664 | 1,738,760 | 1,898,652 | 2,058,751 | 2,227,424 | 2,439,830 | 2,645,291 |
| 34 | Change in accounting principle | | | | | | | | | | | | | |
| 35 | **Ending net assets** | **9,396,390** | **10,643,810** | **12,362,352** | **13,114,099** | **14,572,423** | **16,011,466** | **17,519,129** | **19,257,889** | **21,156,541** | **23,215,292** | **25,442,717** | **27,882,546** | **30,527,837** |

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**City of Robbinsdale, MN**
**Utility Rate Study**
**Option #1**

**Water Fund**

| | | Actual | | Unaudited | Budget | Projected | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
| 1 | Rates Inflation | | | | | | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| 2 | Revenue growth assumption - non-usage | | | | | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| 3 | Investment income yield | | | | | 1.50% | 1.50% | 1.50% | 1.50% | 1.50% | 1.50% | 1.50% | 2.00% | 2.00% |
| 4 | Expense growth - general and administrative | | | | | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| 5 | Expense growth - contractual | | | | | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| 6 | Expense growth - non personnel | | | | | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| 7 | | | | | | | | | | | | | | |
| 36 | CIP Funding | | | | | | | | | | | | | |
| 37 | Purchase of Capital Assets | (673,787) | (421,482) | (972,257) | (13,979,035) | (26,617,253) | (6,391,630) | (899,891) | (4,234,888) | (1,094,610) | (1,231,687) | (1,237,719) | (946,803) | (530,596) |
| 38 | Bond Proceeds | 675,259 | 327,202 | | 1,500,000 | 0 | 0 | 0 | 4,200,000 | 1,000,000 | 1,000,000 | 1,000,000 | 0 | 0 |
| 39 | PFA Loan Proceeds | | | | 11,466,350 | 25,681,711 | 5,000,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | PFA Loan P&I - 20 years at 1.0% | | | | | (635,411) | (635,411) | (635,411) | (635,411) | (635,411) | (635,411) | (635,411) | (635,411) | (635,411) |
| 41 | Bond P&I - Future - 15 yrs at 2% | | | | | (116,738) | (116,738) | (116,738) | (116,738) | (116,738) | (116,738) | (116,738) | (116,738) | (116,738) |
| 42 | Bond P&I - Future - 15 yrs at 2.5% | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | PFA Loan P&I - 20 years at 1.0% | | | | | | (1,423,160) | (1,423,160) | (1,423,160) | (1,423,160) | (1,423,160) | (1,423,160) | (1,423,160) | (1,423,160) |
| 44 | Bond P&I - Future - 15 yrs at 3% | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | PFA Loan P&I - 20 years at 1.0% | | | | | | | (277,077) | (277,077) | (277,077) | (277,077) | (277,077) | (277,077) | (277,077) |
| 46 | PFA Loan P&I - 20 years at 1.0% | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | Bond P&I - Future - 10 yrs at 2.5% | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 | Bond P&I - Future - 10 yrs at 3.0% | | | | | | | | | (492,368) | (492,368) | (492,368) | (492,368) | (492,368) |
| 49 | Bond P&I - Future - 10 yrs at 3.0% | | | | | | | | | | (117,231) | (117,231) | (117,231) | (117,231) |
| 50 | Bond P&I - Future - 10 yrs at 3.0% | | | | | | | | | | | (117,231) | (117,231) | (117,231) |
| 51 | Bond P&I - Future - 10 yrs at 3.0% | | | | | | | | | | | | (117,231) | (117,231) |
| 52 | Bond P&I - Future - 10 yrs at 3.0% | | | | | | | | | | | | | 0 |
| 53 | Bond Prin - Existing | (390,000) | (255,000) | (315,000) | (350,000) | (365,000) | (365,000) | (385,000) | (265,000) | (175,000) | (185,000) | (105,000) | (110,000) | (35,000) |
| 54 | | | | | | | | | | | | | | |
| 55 | **Beginning Cash** | **3,281,992** | **3,670,796** | **4,770,546** | **5,161,912** | **4,750,974** | **5,243,848** | **4,051,247** | **3,151,925** | **3,609,866** | **3,802,095** | **3,931,172** | **4,226,917** | **3,935,312** |
| 56 | Add net operations (line 28) | 693,059 | 884,024 | 877,268 | 765,593 | 1,429,509 | 1,393,055 | 1,469,406 | 1,704,632 | 1,850,863 | 2,002,550 | 2,164,594 | 2,347,446 | 2,555,866 |
| 57 | Add back depreciation (line 25) | 193,703 | 207,207 | 155,170 | 200,000 | 1,087,242 | 1,300,296 | 1,330,292 | 1,471,455 | 1,507,942 | 1,548,998 | 1,590,255 | 1,621,815 | 1,639,502 |
| 58 | Add net non operating (line 35) | (58,263) | 363,396 | 841,274 | (13,846) | 28,815 | 45,987 | 38,258 | 34,128 | 47,789 | 56,201 | 62,830 | 92,384 | 89,425 |
| 59 | Add capital and bond (lines 41-47) | (388,528) | (349,280) | (1,287,257) | (1,362,685) | (2,052,692) | (3,931,940) | (3,737,277) | (2,752,274) | (3,214,365) | (3,478,672) | (3,521,935) | (4,353,249) | (3,862,042) |
| 60 | Net change in balance sheet items | (51,167) | (5,597) | (195,089) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 61 | Other investments | | | | | | | | | | | | | |
| 62 | **Ending Cash** | **3,670,796** | **4,770,546** | **5,161,912** | **4,750,974** | **5,243,848** | **4,051,247** | **3,151,925** | **3,609,866** | **3,802,095** | **3,931,172** | **4,226,917** | **3,935,312** | **4,358,063** |
| 63 | Other investments | | | | | | | | | | | | | |
| 64 | **Ending net assets** | **9,396,390** | **10,643,810** | **12,362,352** | **13,114,099** | **14,572,423** | **16,011,466** | **17,519,129** | **19,257,889** | **21,156,541** | **23,215,292** | **25,442,717** | **27,882,546** | **30,527,837** |
| 65 | | | | | | | | | | | | | | |
| 66 | Target minimum working capital* | 727,633 | 760,826 | 864,834 | 1,712,350 | 3,142,657 | 3,447,014 | 3,460,071 | 3,877,898 | 4,022,525 | 4,078,685 | 4,221,269 | 4,168,471 | 4,193,566 |
| 67 | Actual working capital-cash balance | 3,670,796 | 4,770,546 | 5,161,912 | 4,750,974 | 5,243,848 | 4,051,247 | 3,151,925 | 3,609,866 | 3,802,095 | 3,931,172 | 4,226,917 | 3,935,312 | 4,358,063 |
| 68 | Over (Under) target working capital | 2,943,163 | 4,009,721 | 4,297,079 | 3,038,624 | 2,101,191 | 604,233 | (308,146) | (268,032) | (220,431) | (147,513) | 5,648 | (233,159) | 164,497 |

*Target equals 6 months operating expense,
excluding depreciation, and 100% of next year's

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**Utility Financial Projections**
**City of Robbinsdale, MN**
**Option 1: Rate Increase in 2021**

## Bi-Monthly Water Rates

| | Existing 2020 | Proposed 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Percentage Increase** | | | **5.00%** | **5.00%** | **5.00%** | **5.00%** | **5.00%** | **5.00%** | **5.00%** | **5.00%** |
| **Flat Rates** | | | | | | | | | | |
| **Residential/Multi-Family** | | | | | | | | | | |
| Base Fee | 12.28 | 20.75 | 21.79 | 22.88 | 24.02 | 25.23 | 26.49 | 27.81 | 29.20 | 30.66 |
| **Commercial** | | | | | | | | | | |
| Base Fee | 12.28 | 20.75 | 21.79 | 22.88 | 24.02 | 25.23 | 26.49 | 27.81 | 29.20 | 30.66 |
| **Usage Rates** | | | | | | | | | | |
| **Residential/Multi-Family** | | | | | | | | | | |
| Capital Surcharge per 1,000 gallons | 0.67 | 1.75 | 1.84 | 1.93 | 2.03 | 2.13 | 2.24 | 2.35 | 2.46 | 2.59 |
| 0-12,000 gallons | 3.63 | 6.13 | 6.44 | 6.76 | 7.10 | 7.46 | 7.83 | 8.22 | 8.63 | 9.06 |
| 12,001 - 26K gallons | 4.87 | 8.23 | 8.64 | 9.07 | 9.53 | 10.00 | 10.50 | 11.03 | 11.58 | 12.16 |
| 26,001 - 40K gallons | 6.31 | 10.66 | 11.20 | 11.76 | 12.34 | 12.96 | 13.61 | 14.29 | 15.01 | 15.76 |
| >40,001 gallons | 9.23 | 15.60 | 16.38 | 17.20 | 18.06 | 18.96 | 19.91 | 20.90 | 21.95 | 23.05 |
| **Commercial** | | | | | | | | | | |
| Capital Surcharge per 1,000 gallons | 0.67 | 1.75 | 1.84 | 1.93 | 2.03 | 2.13 | 2.24 | 2.35 | 2.46 | 2.59 |
| All Usage, per 1,000 gallons | 3.63 | 6.13 | 6.44 | 6.76 | 7.10 | 7.46 | 7.83 | 8.22 | 8.63 | 9.06 |
| **Irrigation** | | | | | | | | | | |
| Capital Surcharge per 1,000 gallons | 0.67 | 1.75 | 1.84 | 1.93 | 2.03 | 2.13 | 2.24 | 2.35 | 2.46 | 2.59 |
| 0-20,000 gallons | 6.31 | 10.66 | 11.20 | 11.76 | 12.34 | 12.96 | 13.61 | 14.29 | 15.01 | 15.76 |
| >20,001 gallons | 9.23 | 15.60 | 16.38 | 17.20 | 18.06 | 18.96 | 19.91 | 20.90 | 21.95 | 23.05 |

## Impact Analysis on Water Rate Payers

| | Existing 2020 | Proposed 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
|---|---|---|---|---|---|---|---|---|---|---|
| **BI-MONTHLY UTILITY BILL EXAMPLE** | | | | | | | | | | |
| **Residential Property** | | | | | | | | | | |
| 8,000 gallons bi-monthly | | | | | | | | | | |
| Base Charge | $ 12.28 | $ 20.75 | $ 21.79 | $ 22.88 | $ 24.02 | $ 25.23 | $ 26.49 | $ 27.81 | $ 29.20 | $ 30.66 |
| Capital Surcharge | 5.39 | 14.01 | 14.72 | 15.45 | 16.22 | 17.03 | 17.89 | 18.78 | 19.72 | 20.71 |
| Water Usage | 29.04 | 49.08 | 51.53 | 54.11 | 56.81 | 59.65 | 62.64 | 65.77 | 69.06 | 72.51 |
| Total Bi-Monthly Utility Bill | $ 46.71 | $ 83.85 | $ 88.04 | $ 92.44 | $ 97.06 | $ 101.91 | $ 107.01 | $ 112.36 | $ 117.98 | $ 123.88 |
| $ Increase/(Decrease) | | 37.14 | 4.19 | 4.40 | 4.62 | 4.85 | 5.10 | 5.35 | 5.62 | 5.90 |
| **% Increase/(Decrease)** | | **80%** | **5%** | **5%** | **5%** | 5% | 5% | 5% | 5% | 5% |
| **Residential Property** | | | | | | | | | | |
| 20,000 gallons bi-monthly | | | | | | | | | | |
| Base Charge | $ 12.28 | $ 20.75 | $ 21.79 | $ 22.88 | $ 24.02 | $ 25.23 | $ 26.49 | $ 27.81 | $ 29.20 | $ 30.66 |
| Capital Surcharge | 13.48 | 35.04 | 36.79 | 38.63 | 40.56 | 42.59 | 44.72 | 46.95 | 49.30 | 51.76 |
| Water Usage | 82.52 | 139.46 | 146.43 | 153.75 | 161.44 | 169.51 | 177.99 | 186.89 | 196.23 | 206.04 |
| Total Bi-Monthly Utility Bill | $ 108.28 | $ 195.25 | $ 205.01 | $ 215.26 | $ 226.02 | $ 237.33 | $ 249.19 | $ 261.65 | $ 274.73 | $ 288.47 |
| $ Increase/(Decrease) | | 86.97 | 9.76 | 10.25 | 10.76 | 11.30 | 11.87 | 12.46 | 13.08 | 13.74 |
| **% Increase/(Decrease)** | | **80%** | **5%** | **5%** | **5%** | 5% | 5% | 5% | 5% | 5% |
| **Commercial Property** | | | | | | | | | | |
| 20,000 gallons bi-monthly | | | | | | | | | | |
| Base Charge | $ 12.28 | $ 20.75 | $ 21.79 | $ 22.88 | $ 24.02 | $ 25.23 | $ 26.49 | $ 27.81 | $ 29.20 | $ 30.66 |
| Capital Surcharge | 13.48 | 35.04 | 36.79 | 38.63 | 40.56 | 42.59 | 44.72 | 46.95 | 49.30 | 51.76 |
| Water Usage | 72.60 | 122.69 | 128.83 | 135.27 | 142.03 | 149.14 | 156.59 | 164.42 | 172.64 | 181.27 |
| Total Bi-Monthly Utility Bill | $ 98.36 | $ 178.48 | $ 187.41 | $ 196.78 | $ 206.62 | $ 216.95 | $ 227.80 | $ 239.18 | $ 251.14 | $ 263.70 |
| $ Increase/(Decrease) | | 80.13 | 8.92 | 9.37 | 9.84 | 10.33 | 10.85 | 11.39 | 11.96 | 12.56 |
| **% Increase/(Decrease)** | | **81%** | **5%** | **5%** | **5%** | 5% | 5% | 5% | 5% | 5% |

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**City of Robbinsdale, MN**
**Utility Rate Study**
**Option #2**

**Water Fund**

| | | Actual | | Unaudited | Budget | Projected | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
| 1 | Rates Inflation | | | | | | | | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| 2 | Revenue growth assumption - non-usage | | | | | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| 3 | Investment income yield | | | | | 1.50% | 1.50% | 1.50% | 1.50% | 1.50% | 1.50% | 1.50% | 2.00% | 2.00% |
| 4 | Expense growth - general and administrative | | | | | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| 5 | Expense growth - contractual | | | | | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| 6 | Expense growth - non personnel | | | | | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| 7 | | | | | | | | | | | | | | |
| 8 | Beginning net assets | 8,761,594 | 9,396,390 | 10,643,810 | 12,362,352 | 13,114,099 | 13,786,187 | 15,052,937 | 16,914,998 | 18,959,539 | 21,087,079 | 23,289,683 | 25,567,219 | 27,954,750 |
| 9 | | | | | | | | | | | | | | |
| 10 | Operating Revenues | | | | | | | | | | | | | |
| 11 | Water sales | 1,606,237 | 1,765,214 | 1,794,614 | 1,935,282 | 2,720,565 | 3,518,166 | 4,425,657 | 4,789,320 | 4,933,000 | 5,080,990 | 5,233,419 | 5,390,422 | 5,552,135 |
| 12 | Miscellaneous Revenues | 115,421 | 117,738 | 110,779 | 116,318 | 116,318 | 116,318 | 116,318 | 116,318 | 116,318 | 116,318 | 116,318 | 116,318 | 116,318 |
| 13 | Revenue Due to Growth | 0 | 0 | 0 | 6,903 | 19,329 | 57,837 | 69,641 | 71,730 | 73,881 | 76,098 | 78,381 | 80,732 | 83,155 |
| 14 | Total Operating Revenues | 1,721,658 | 1,882,952 | 1,905,393 | 2,058,503 | 2,856,212 | 3,692,321 | 4,611,616 | 4,977,368 | 5,123,199 | 5,273,406 | 5,428,118 | 5,587,472 | 5,751,608 |
| 15 | | | | | | | | | | | | | | |
| 16 | Operating Expenses | | | | | | | | | | | | | |
| 17 | Personnel | 225,047 | 233,982 | 275,263 | 269,609 | 277,697 | 286,028 | 294,609 | 303,447 | 312,550 | 321,927 | 331,585 | 341,533 | 351,779 |
| 18 | Supplies | 57,745 | 76,310 | 64,170 | 101,680 | 104,730 | 107,872 | 360,000 | 370,800 | 381,924 | 393,382 | 405,183 | 417,338 | 429,858 |
| 19 | Other | 552,104 | 481,429 | 533,522 | 721,621 | 743,270 | 765,568 | 788,535 | 812,191 | 836,557 | 861,654 | 887,504 | 914,129 | 941,553 |
| 20 | Depreciation | 193,703 | 207,207 | 155,170 | 200,000 | 1,087,242 | 1,300,296 | 1,330,292 | 1,471,455 | 1,507,942 | 1,548,998 | 1,590,255 | 1,621,815 | 1,639,502 |
| 21 | Total Operating Expenses | 1,028,599 | 998,928 | 1,028,125 | 1,292,910 | 2,212,939 | 2,459,764 | 2,773,436 | 2,957,893 | 3,038,973 | 3,125,961 | 3,214,527 | 3,294,815 | 3,362,692 |
| 22 | | | | | | | | | | | | | | |
| 23 | Net Operations | 693,059 | 884,024 | 877,268 | 765,593 | 643,273 | 1,232,557 | 1,838,180 | 2,019,475 | 2,084,226 | 2,147,445 | 2,213,591 | 2,292,657 | 2,388,916 |
| 24 | Non operating revenues (expenses) | | | | | | | | | | | | | |
| 25 | Interest income | 55,928 | 79,345 | 109,097 | 40,000 | 71,265 | 66,864 | 46,391 | 38,217 | 49,673 | 55,989 | 60,083 | 87,028 | 80,150 |
| 26 | Net change in value of investments | (15,890) | (7,886) | 33,137 | | | | | | | | | | |
| 27 | Connection Fees | 0 | 385,613 | 490,449 | 39,510 | 40,695 | 41,916 | 43,173 | 44,468 | 45,802 | 47,176 | 48,591 | 50,049 | 51,550 |
| 28 | Interest and other expenses | (55,745) | (55,185) | (49,965) | (78,356) | (48,745) | (39,499) | (29,894) | (21,113) | (14,925) | (10,025) | (5,988) | (2,687) | (525) |
| 29 | Intergovernmental | 51 | 890 | 342,879 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 30 | Transfers in / (out) | (42,607) | (39,381) | (84,323) | (15,000) | (34,400) | (35,088) | (35,790) | (36,506) | (37,236) | (37,981) | (38,741) | (39,516) | (40,306) |
| 31 | Total non operating revenue (expenses) | (58,263) | 363,396 | 841,274 | (13,846) | 28,815 | 34,193 | 23,880 | 25,066 | 43,314 | 55,159 | 63,945 | 94,874 | 90,869 |
| 32 | | | | | | | | | | | | | | |
| 33 | Net increase (decrease) in resources | 634,796 | 1,247,420 | 1,718,542 | 751,747 | 672,088 | 1,266,750 | 1,862,060 | 2,044,541 | 2,127,540 | 2,202,604 | 2,277,536 | 2,387,531 | 2,479,785 |
| 34 | Change in accounting principle | | | | | | | | | | | | | |
| 35 | **Ending net assets** | **9,396,390** | **10,643,810** | **12,362,352** | **13,114,099** | **13,786,187** | **15,052,937** | **16,914,998** | **18,959,539** | **21,087,079** | **23,289,683** | **25,567,219** | **27,954,750** | **30,434,535** |

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**City of Robbinsdale, MN**
**Utility Rate Study**
**Option #2**

**Water Fund**

| | Actual | | Unaudited | Budget | Projected | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **2017** | **2018** | **2019** | **2020** | **2021** | **2022** | **2023** | **2024** | **2025** | **2026** | **2027** | **2028** | **2029** |
| 1 Rates Inflation | | | | | | | | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| 2 Revenue growth assumption - non-usage | | | | | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| 3 Investment income yield | | | | | 1.50% | 1.50% | 1.50% | 1.50% | 1.50% | 1.50% | 1.50% | 2.00% | 2.00% |
| 4 Expense growth - general and administrative | | | | | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| 5 Expense growth - contractual | | | | | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| 6 Expense growth - non personnel | | | | | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| 7 | | | | | | | | | | | | | |
| 36 CIP Funding | | | | | | | | | | | | | |
| 37 Purchase of Capital Assets | (673,787) | (421,482) | (972,257) | (13,979,035) | (26,617,253) | (6,391,630) | (899,891) | (4,234,888) | (1,094,610) | (1,231,687) | (1,237,719) | (946,803) | (530,596) |
| 38 Bond Proceeds | 675,259 | 327,202 | | 1,500,000 | 0 | 0 | 0 | 4,200,000 | 1,000,000 | 1,000,000 | 1,000,000 | 0 | 0 |
| 39 PFA Loan Proceeds | | | | 11,466,350 | 25,681,711 | 5,000,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 PFA Loan P&I - 20 years at 1.0% | | | | | (635,411) | (635,411) | (635,411) | (635,411) | (635,411) | (635,411) | (635,411) | (635,411) | (635,411) |
| 41 Bond P&I - Future - 15 yrs at 2% | | | | | (116,738) | (116,738) | (116,738) | (116,738) | (116,738) | (116,738) | (116,738) | (116,738) | (116,738) |
| 42 Bond P&I - Future - 15 yrs at 2.5% | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 PFA Loan P&I - 20 years at 1.0% | | | | | | (1,423,160) | (1,423,160) | (1,423,160) | (1,423,160) | (1,423,160) | (1,423,160) | (1,423,160) | (1,423,160) |
| 44 Bond P&I - Future - 15 yrs at 3% | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 PFA Loan P&I - 20 years at 1.0% | | | | | | | (277,077) | (277,077) | (277,077) | (277,077) | (277,077) | (277,077) | (277,077) |
| 46 PFA Loan P&I - 20 years at 1.0% | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 Bond P&I - Future - 10 yrs at 2.5% | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Bond P&I - Future - 10 yrs at 3.0% | | | | | | | | | (492,368) | (492,368) | (492,368) | (492,368) | (492,368) |
| 49 Bond P&I - Future - 10 yrs at 3.0% | | | | | | | | | | (117,231) | (117,231) | (117,231) | (117,231) |
| 50 Bond P&I - Future - 10 yrs at 3.0% | | | | | | | | | | | (117,231) | (117,231) | (117,231) |
| 51 Bond P&I - Future - 10 yrs at 3.0% | | | | | | | | | | | | (117,231) | (117,231) |
| 52 Bond P&I - Future - 10 yrs at 3.0% | | | | | | | | | | | | | 0 |
| 53 Bond Prin - Existing | (390,000) | (255,000) | (315,000) | (350,000) | (365,000) | (365,000) | (385,000) | (265,000) | (175,000) | (185,000) | (105,000) | (110,000) | (35,000) |
| 54 | | | | | | | | | | | | | |
| 55 **Beginning Cash** | **3,281,992** | **3,670,796** | **4,770,546** | **5,161,912** | **4,750,974** | **4,457,612** | **3,092,719** | **2,547,794** | **3,311,516** | **3,732,633** | **4,005,563** | **4,351,419** | **4,007,516** |
| 56 Add net operations (line 28) | 693,059 | 884,024 | 877,268 | 765,593 | 643,273 | 1,232,557 | 1,838,180 | 2,019,475 | 2,084,226 | 2,147,445 | 2,213,591 | 2,292,657 | 2,388,916 |
| 57 Add back depreciation (line 25) | 193,703 | 207,207 | 155,170 | 200,000 | 1,087,242 | 1,300,296 | 1,330,292 | 1,471,455 | 1,507,942 | 1,548,998 | 1,590,255 | 1,621,815 | 1,639,502 |
| 58 Add net non operating (line 35) | (58,263) | 363,396 | 841,274 | (13,846) | 28,815 | 34,193 | 23,880 | 25,066 | 43,314 | 55,159 | 63,945 | 94,874 | 90,869 |
| 59 Add capital and bond (lines 41-47) | (388,528) | (349,280) | (1,287,257) | (1,362,685) | (2,052,692) | (3,931,940) | (3,737,277) | (2,752,274) | (3,214,365) | (3,478,672) | (3,521,935) | (4,353,249) | (3,862,042) |
| 60 Net change in balance sheet items | (51,167) | (5,597) | (195,089) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 61 Other investments | | | | | | | | | | | | | |
| 62 **Ending Cash** | **3,670,796** | **4,770,546** | **5,161,912** | **4,750,974** | **4,457,612** | **3,092,719** | **2,547,794** | **3,311,516** | **3,732,633** | **4,005,563** | **4,351,419** | **4,007,516** | **4,264,760** |
| 63 Other investments | | | | | | | | | | | | | |
| 64 **Ending net assets** | **9,396,390** | **10,643,810** | **12,362,352** | **13,114,099** | **13,786,187** | **15,052,937** | **16,914,998** | **18,959,539** | **21,087,079** | **23,289,683** | **25,567,219** | **27,954,750** | **30,434,535** |
| 65 | | | | | | | | | | | | | |
| 66 Target minimum working capital* | 727,633 | 760,826 | 864,834 | 1,712,350 | 3,142,657 | 3,447,014 | 3,460,071 | 3,877,898 | 4,022,525 | 4,078,685 | 4,221,269 | 4,168,471 | 4,193,566 |
| 67 Actual working capital-cash balance | 3,670,796 | 4,770,546 | 5,161,912 | 4,750,974 | 4,457,612 | 3,092,719 | 2,547,794 | 3,311,516 | 3,732,633 | 4,005,563 | 4,351,419 | 4,007,516 | 4,264,760 |
| 68 Over (Under) target working capital | 2,943,163 | 4,009,721 | 4,297,079 | 3,038,624 | 1,314,955 | (354,295) | (912,278) | (566,383) | (289,893) | (73,122) | 130,150 | (160,955) | 71,194 |

*Target equals 6 months operating expense,
excluding depreciation, and 100% of next year's

**Utility Financial Projections**
**City of Robbinsdale, MN**
**Option 2: Rate Increases 2021-2023**

## Bi-Monthly Water Rates

| | Existing | Proposed | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **2020** | **2021** | **2022** | **2023** | **2024** | **2025** | **2026** | **2027** | **2028** | **2029** |
| **Percentage Increase** | | | | | **3.00%** | **3.00%** | **3.00%** | **3.00%** | **3.00%** | **3.00%** |
| **<u>Flat Rates</u>** | | | | | | | | | | |
| **Residential/Multi-Family** | | | | | | | | | | |
| Base Fee | 12.28 | 16.58 | 20.72 | 23.83 | 24.55 | 25.28 | 26.04 | 26.82 | 27.63 | 28.46 |
| **Commercial** | | | | | | | | | | |
| Base Fee | 12.28 | 16.58 | 20.72 | 23.83 | 24.55 | 25.28 | 26.04 | 26.82 | 27.63 | 28.46 |
| **<u>Usage Rates</u>** | | | | | | | | | | |
| **Residential/Multi-Family** | | | | | | | | | | |
| Capital Surcharge per 1,000 gallons | 0.67 | 1.16 | 1.82 | 2.58 | 2.66 | 2.74 | 2.82 | 2.91 | 3.00 | 3.08 |
| 0-12,000 gallons | 3.63 | 4.90 | 6.13 | 7.04 | 7.26 | 7.47 | 7.70 | 7.93 | 8.17 | 8.41 |
| 12,001 - 26K gallons | 4.87 | 6.57 | 8.22 | 9.45 | 9.73 | 10.03 | 10.33 | 10.64 | 10.96 | 11.28 |
| 26,001 - 40K gallons | 6.31 | 8.52 | 10.65 | 12.25 | 12.61 | 12.99 | 13.38 | 13.78 | 14.20 | 14.62 |
| >40,001 gallons | 9.23 | 12.46 | 15.58 | 17.91 | 18.45 | 19.00 | 19.57 | 20.16 | 20.76 | 21.39 |
| **Commercial** | | | | | | | | | | |
| Capital Surcharge per 1,000 gallons | 0.67 | 1.16 | 1.82 | 2.58 | 2.66 | 2.74 | 2.82 | 2.91 | 3.00 | 3.08 |
| All Usage, per 1,000 gallons | 3.63 | 4.90 | 6.13 | 7.04 | 7.26 | 7.47 | 7.70 | 7.93 | 8.17 | 8.41 |
| **Irrigation** | | | | | | | | | | |
| Capital Surcharge per 1,000 gallons | 0.67 | 1.16 | 1.82 | 2.58 | 2.66 | 2.74 | 2.82 | 2.91 | 3.00 | 3.08 |
| 0-20,000 gallons | 6.31 | 8.52 | 10.65 | 12.25 | 12.61 | 12.99 | 13.38 | 13.78 | 14.20 | 14.62 |
| >20,001 gallons | 9.23 | 12.46 | 15.58 | 17.91 | 18.45 | 19.00 | 19.57 | 20.16 | 20.76 | 21.39 |

## Impact Analysis on Water Rate Payers

| | Existing | Proposed | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **2020** | **2021** | **2022** | **2023** | **2024** | **2025** | **2026** | **2027** | **2028** | **2029** |
| **BI-MONTHLY UTILITY BILL EXAMPLE** | | | | | | | | | | |
| **<u>Residential Property</u>** | | | | | | | | | | |
| 8,000 gallons bi-monthly | | | | | | | | | | |
| Base Charge | $ 12.28 | $ 16.58 | $ 20.72 | $ 23.83 | $ 24.55 | $ 25.28 | $ 26.04 | $ 26.82 | $ 27.63 | $ 28.46 |
| Capital Surcharge | 5.39 | 9.27 | 14.56 | 20.67 | 21.29 | 21.93 | 22.59 | 23.26 | 23.96 | 24.68 |
| Water Usage | 29.04 | 39.20 | 49.01 | 56.36 | 58.05 | 59.79 | 61.58 | 63.43 | 65.33 | 67.29 |
| Total Bi-Monthly Utility Bill | $ 46.71 | $ 65.05 | $ 84.28 | $ 100.86 | $ 103.88 | $ 107.00 | $ 110.21 | $ 113.51 | $ 116.92 | $ 120.43 |
| $ Increase/(Decrease) | | 18.34 | 19.23 | 16.57 | 3.03 | 3.12 | 3.21 | 3.31 | 3.41 | 3.51 |
| **% Increase/(Decrease)** | | **39%** | **30%** | **20%** | **3%** | 3% | 3% | 3% | 3% | 3% |
| **<u>Residential Property</u>** | | | | | | | | | | |
| 20,000 gallons bi-monthly | | | | | | | | | | |
| Base Charge | $ 12.28 | $ 16.58 | $ 20.72 | $ 23.83 | $ 24.55 | $ 25.28 | $ 26.04 | $ 26.82 | $ 27.63 | $ 28.46 |
| Capital Surcharge | 13.48 | 23.18 | 36.39 | 51.67 | 53.22 | 54.82 | 56.46 | 58.16 | 59.90 | 61.70 |
| Water Usage | 82.52 | 111.40 | 139.25 | 160.14 | 164.94 | 169.89 | 174.99 | 180.24 | 185.65 | 191.22 |
| Total Bi-Monthly Utility Bill | $ 108.28 | $ 151.16 | $ 196.36 | $ 235.64 | $ 242.71 | $ 249.99 | $ 257.49 | $ 265.22 | $ 273.18 | $ 281.37 |
| $ Increase/(Decrease) | | 42.88 | 45.21 | 39.28 | 7.07 | 7.28 | 7.50 | 7.72 | 7.96 | 8.20 |
| **% Increase/(Decrease)** | | **40%** | **30%** | **20%** | **3%** | **3%** | **3%** | **3%** | **3%** | **3%** |
| **<u>Commercial Property</u>** | | | | | | | | | | |
| 20,000 gallons bi-monthly | | | | | | | | | | |
| Base Charge | $ 12.28 | $ 16.58 | $ 20.72 | $ 23.83 | $ 24.55 | $ 25.28 | $ 26.04 | $ 26.82 | $ 27.63 | $ 28.46 |
| Capital Surcharge | 13.48 | 23.18 | 36.39 | 51.67 | 53.22 | 54.82 | 56.46 | 58.16 | 59.90 | 61.70 |
| Water Usage | 72.60 | 98.01 | 122.51 | 140.89 | 145.12 | 149.47 | 153.95 | 158.57 | 163.33 | 168.23 |
| Total Bi-Monthly Utility Bill | $ 98.36 | $ 137.77 | $ 179.62 | $ 216.39 | $ 222.88 | $ 229.57 | $ 236.46 | $ 243.55 | $ 250.86 | $ 258.38 |
| $ Increase/(Decrease) | | 39.41 | 41.86 | 36.77 | 6.49 | 6.69 | 6.89 | 7.09 | 7.31 | 7.53 |
| **% Increase/(Decrease)** | | **40%** | **30%** | **20%** | **3%** | **3%** | **3%** | **3%** | **3%** | **3%** |

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# Robbinsdale, MN
# Electricity Use and DSM Program Data

# Robbinsdale
# 2019 Electricity Premise and Use Data

| | 2019 Electricity Premise and Use Data | | | | |
|---|---|---|---|---|---|
| **Zone** | **Residential Premise Count** | **Residential Electricity Use (kWh)** | **Residential Electricity Use, Average Per Premise (kWh)** | **Commercial /Industrial Premise Count** | **Commercial/ Industrial Electricity Use (kWh)** |
| **1** | 848 | 5,712,955 | 6,737 | 22 | -- |
| **2** | 1,243 | 8,016,924 | 6,450 | 28 | -- |
| **3** | 2,005 | 14,509,652 | 7,237 | 46 | -- |
| **4** | 273 | 974,968 | 3,571 | 152 | -- |
| **5** | 639 | 3,281,793 | 5,136 | 120 | -- |
| **6** | 1,226 | 8,910,932 | 7,268 | 9 | -- |
| **Total** | 6,234 | 41,407,224 | 6,642 | 377 | 24,451,275 |

Data Notes

[1] All data complies with Xcel Energy 15x15 data privacy rules

[2] Commercial/Industrial Usage by Zone excluded to comply with 15x15 data privacy rules

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# Robbinsdale
# 2017-2019 DSM Program Participation and Savings Data

| | 2017-2019 DSM Program Participation and Savings Data | | | | | |
|---|---|---|---|---|---|---|
| **Zone** | **Total Residential DSM Program Participation** | **Total Residential DSM Program Savings (kWh)** | **Residential DSM Program Participation Rate** | **Total Commercial/ Industrial DSM Program Participation** | **Total Commercial/ Industrial DSM Program Savings (kWh)** | **Commercial/ Industrial DSM Program Participation Rate** |
| **1** | 185 | 55,060 | 22% | 5 | 47,423 | 23% |
| **2** | 212 | 60,214 | 17% | 10 | 300,662 | 36% |
| **3** | 539 | 173,151 | 27% | 5 | 20,062 | 11% |
| **4** | 4 | 836 | 1% | 35 | 790,179 | 23% |
| **5** | 59 | 21,971 | 9% | 26 | 1,603,464 | 22% |
| **6** | 291 | 108,300 | 24% | 2 | 47,646 | 22% |
| **Total** | 1,290 | 419,532 | 21% | 83 | 2,809,436 | 22% |

Data Notes

[1] All data complies with Xcel Energy 15x15 data privacy rules

[2] DSM Program Data represents total participation and savings data from years 2017-2019

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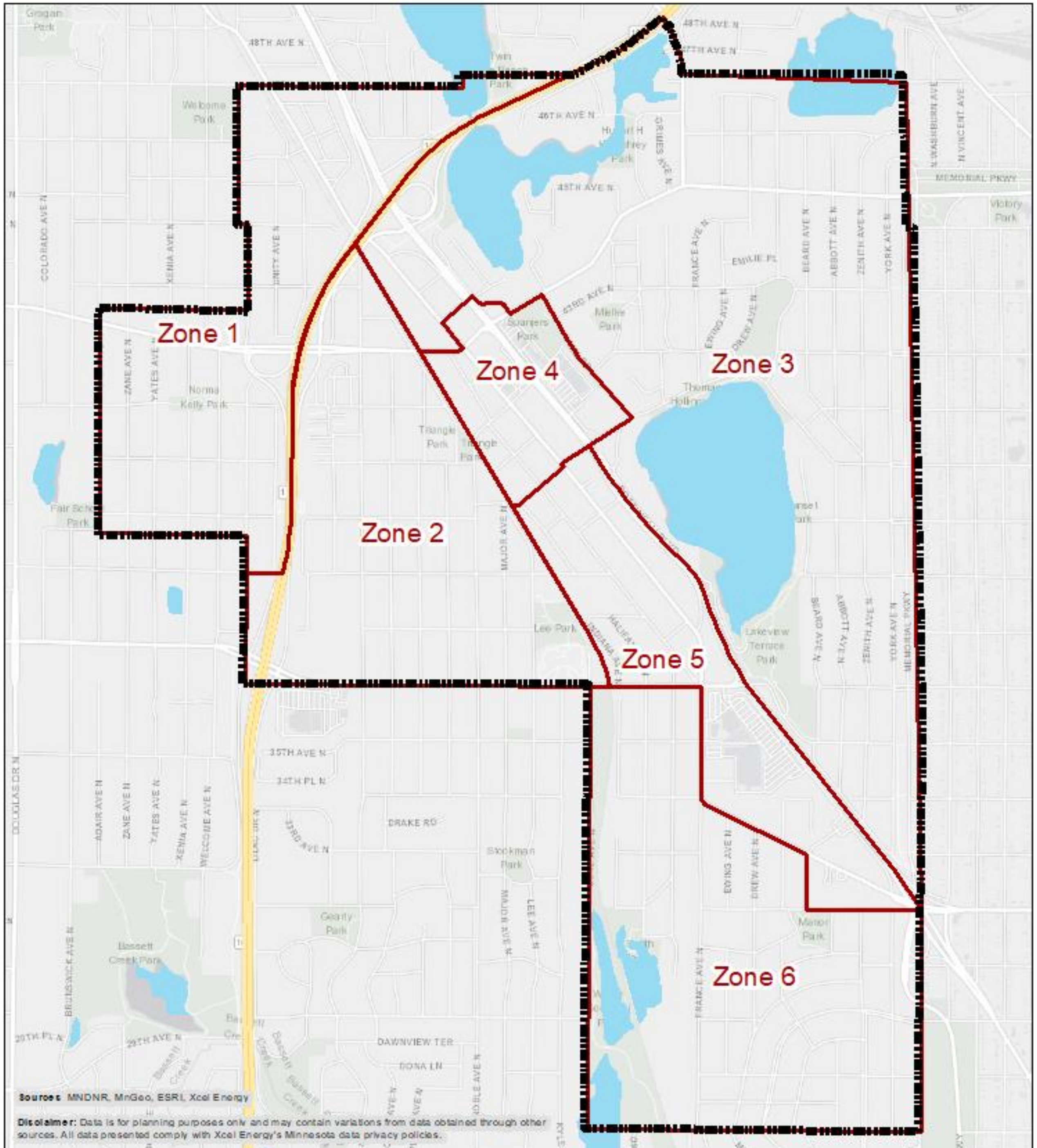
# Robbinsdale City Boundary and Zones




City of Robbinsdale

Zone Boundary

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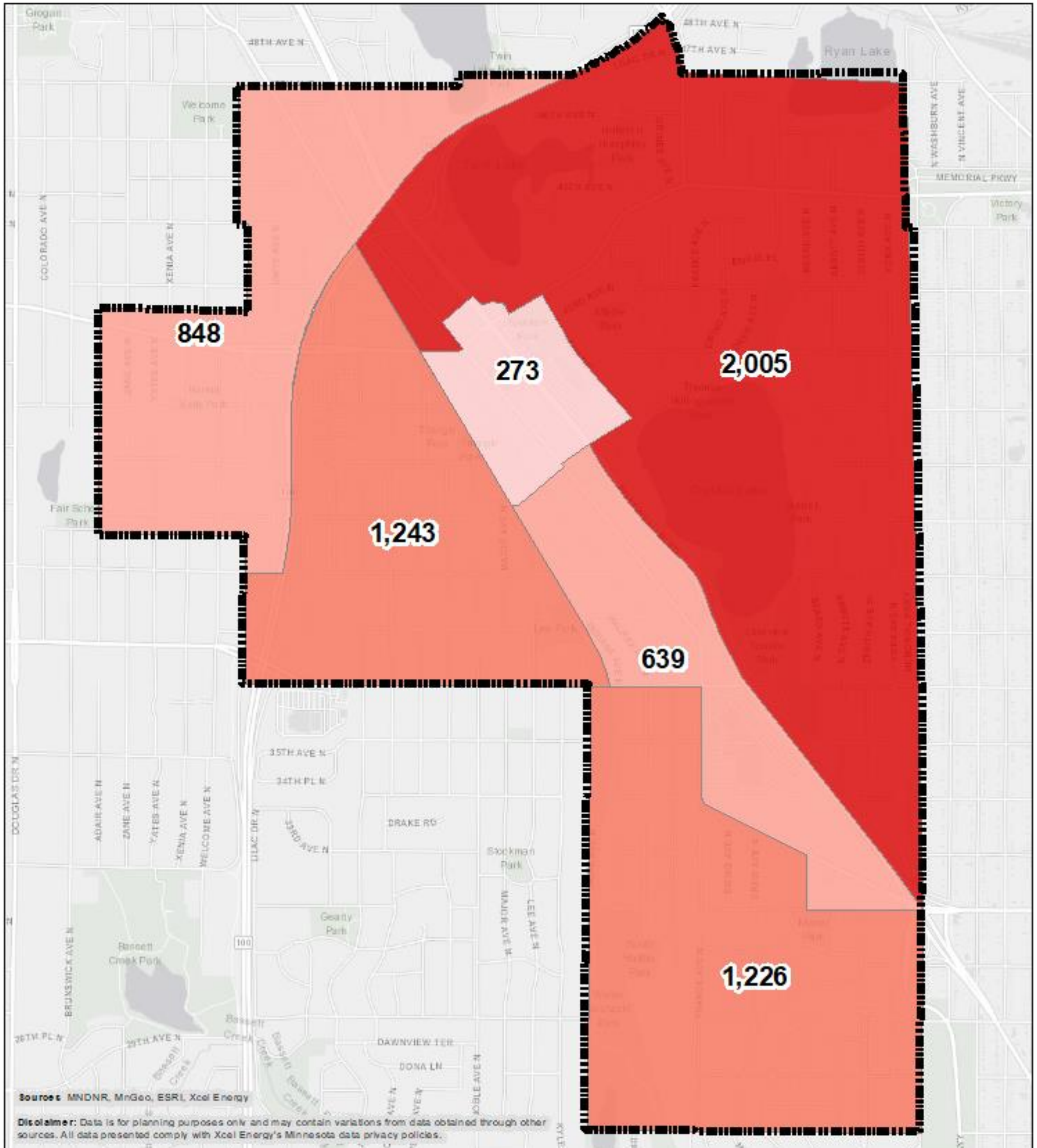
# Robbinsdale Residential Electricity Consumption by Zone

*2019*




City of Robbinsdale

123 Total Premises

**Residential Electricity Usage (kWh)**

0 - 3,000,000 (1)

3,000,001 - 6,000,000 (2)

6,000,001 - 9,000,000 (2)

9,000,001 - 12,000,000 (0)

12,000,001 - 15,000,000 (1)

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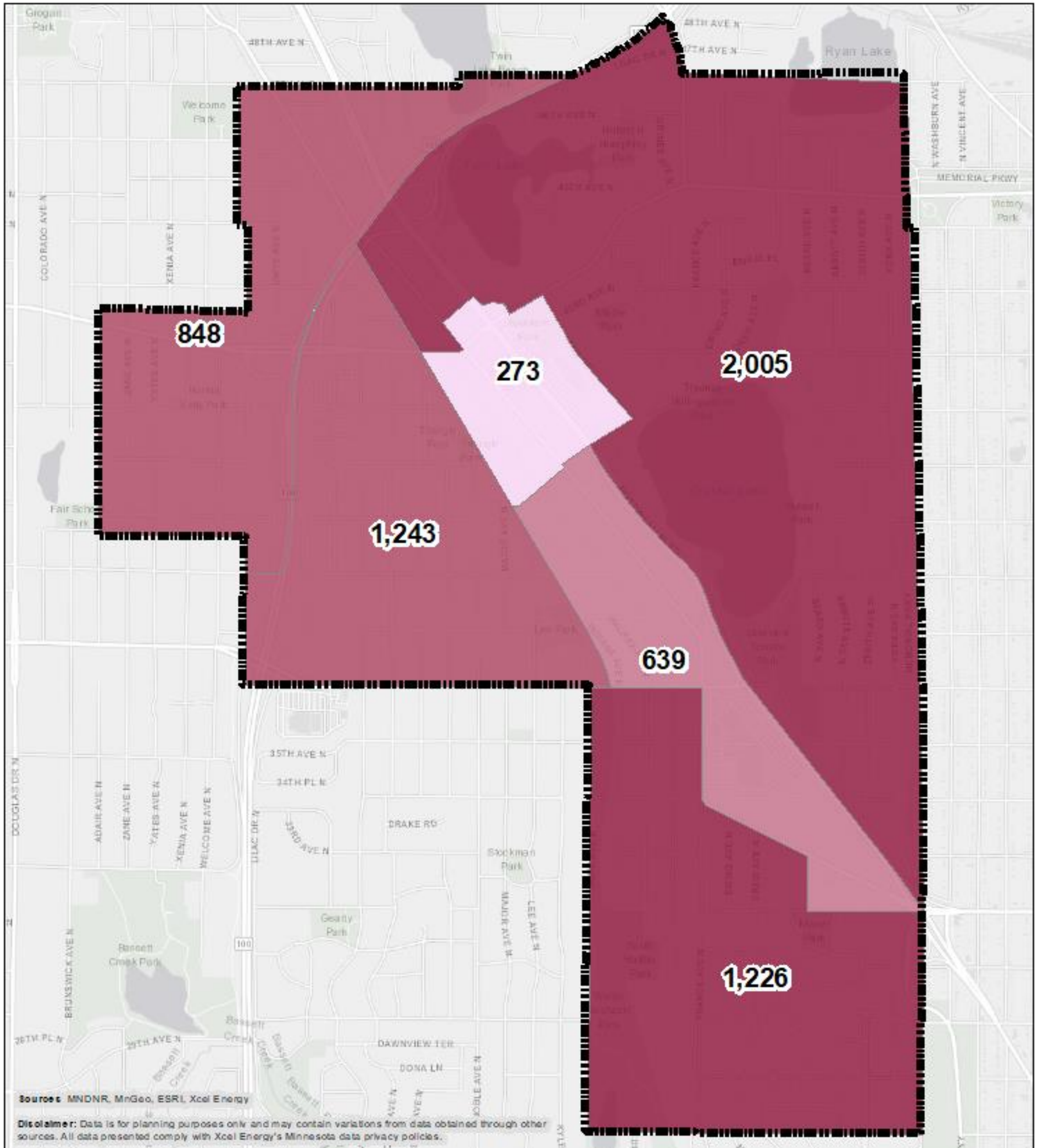
# Robbinsdale Residential Average Electricity Consumption by Zone

*2019*




City of Robbinsdale

123 Total Premises

**Average Premise Electricity Use (kWh)**

***Residential Sector***

- 3,000 - 4,000 (1)
- 4,001 - 5,000 (0)
- 5,001 - 6,000 (1)
- 6,001 - 7,000 (2)
- 7,001 - 8,000 (2)

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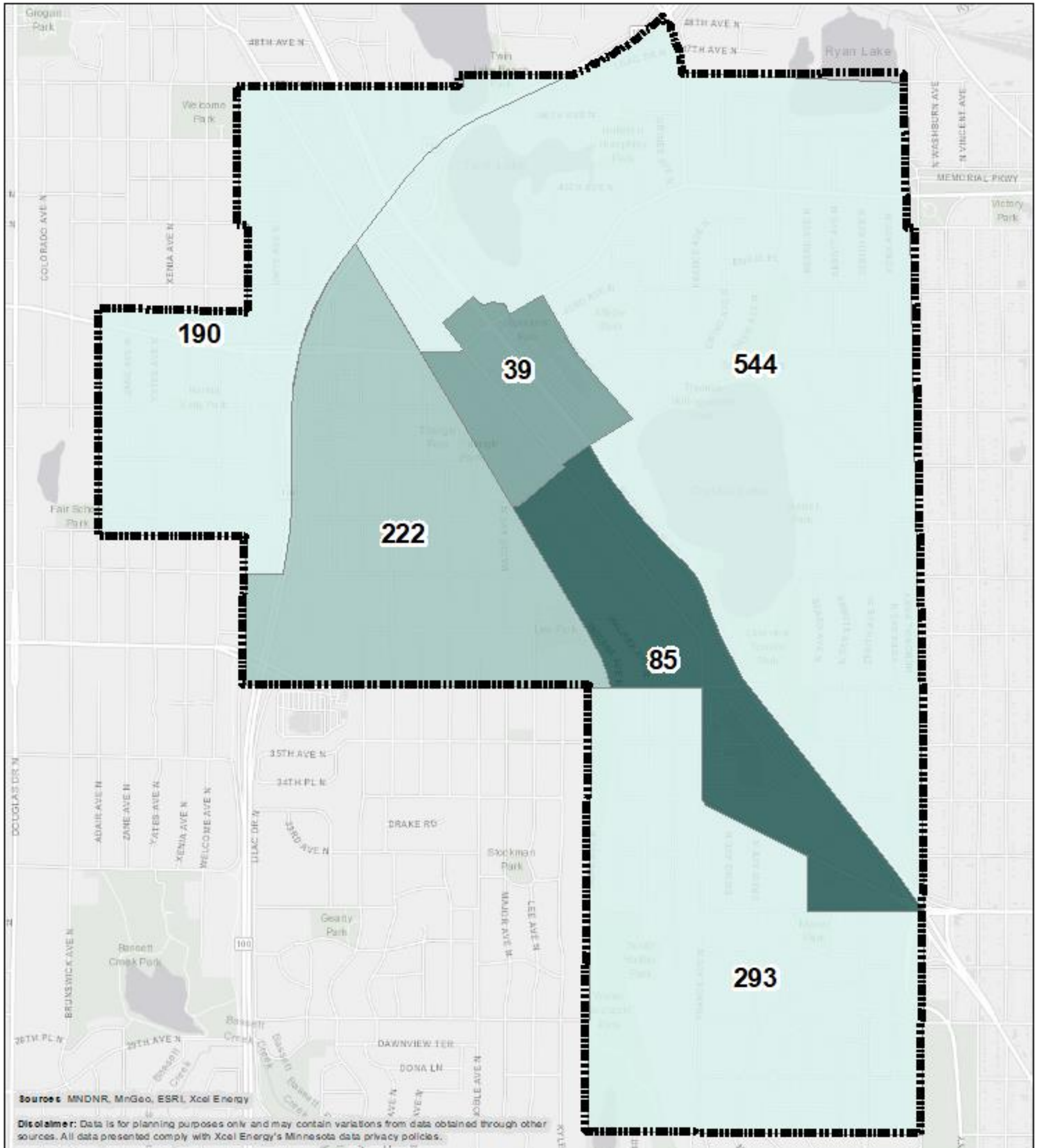
# Robbinsdale All Sector Program Participation & Savings by Zone

*2017-2019*




City of Robbinsdale

123 Total Premises

**Total DSM Program Savings (kWh)**

***All Sectors***

- 0 - 325,000 (3)
- 325,001 - 650,000 (1)
- 650,001 - 975,000 (1)
- 975,001 - 1,300,000 (0)
- 1,300,001 - 1,625,500 (1)

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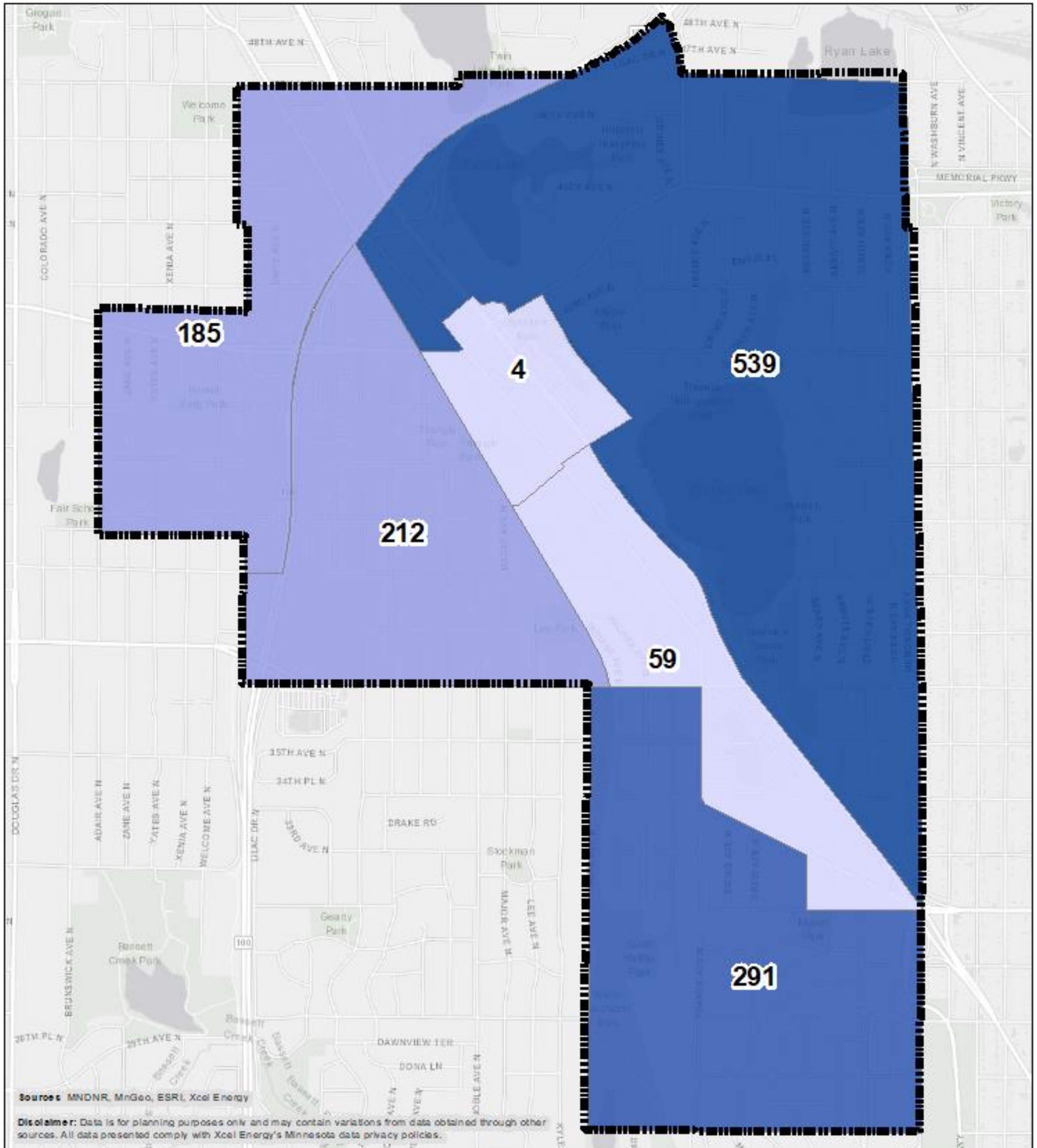


# Robbinsdale Residential Program Participation & Savings by Zone

*2017-2019*

City of Robbinsdale

123 Total Premises

**Total DSM Program Savings (kWh)**

***Residential Sector***

- 0 - 35,000 (2)
- 35,001 - 70,000 (2)
- 70,001 - 105,000 (0)
- 105,001 - 140,000 (1)
- 140,001 - 175,000 (1)

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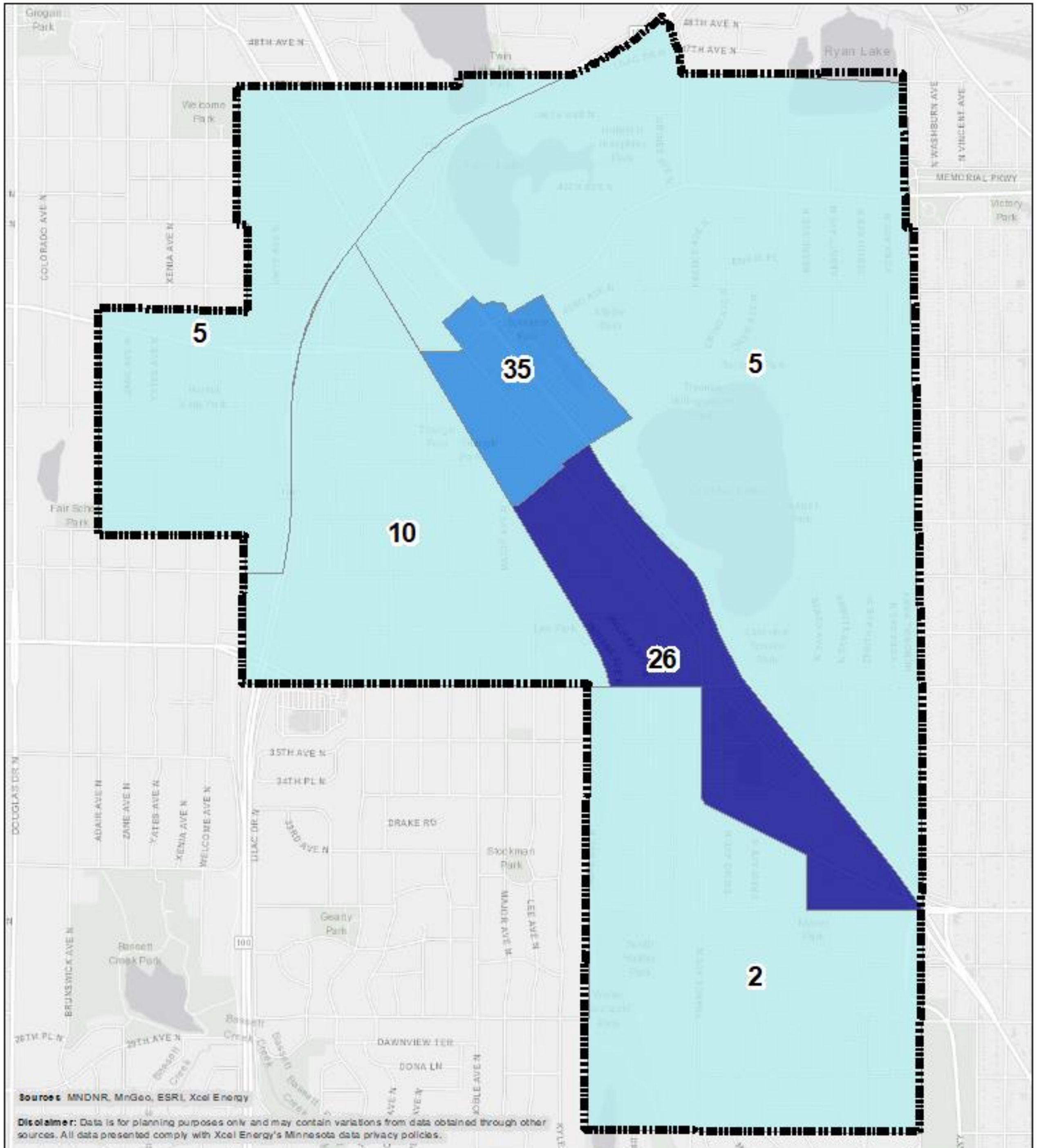


# Robbinsdale Business Program Participation & Savings by Zone

*2017-2019*

City of Robbinsdale

123 Total Premises

**Total DSM Program Savings (kWh)**

***Commercial/Industrial Sector***

- 0 - 340,000 (4)
- 340,001 - 680,000 (0)
- 680,001 - 1,020,000 (1)
- 1,020,001 - 1,360,000 (0)
- 1,360,001 - 1,700,000 (1)

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