

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

PROJECTED 2022 AVERAGE QUARTERLY PRICING (Using CY2021 Material Sales Data)

| Material | 1st Quarter Average \$ Received | 2nd Quarter Average \$ Received | 3rd Quarter Average \$ Received | 4th Quarter Average \$ Received | 2021 Average Quarterly Pricing | Residential 3 Year Composition % | Average Price/Ton | Commercial 3 Year Composition % | Average Price/Ton |
|------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--|----------------------|---------------------------------------|----------------------|
| Aluminum | \$4,123.19 | \$4,093.72 | \$3,836.11 | \$4,530.28 | \$4,145.83 | 0.75% | \$30.89 | 0.30% | \$12.43 |
| Cardboard | \$87.87 | \$95.72 | \$97.20 | \$142.43 | \$105.81 | 31.12% | \$32.93 | 43.54% | \$46.07 |
| GLASS--Mixed | \$69.83 | \$5.18 | \$114.42 | \$91.67 | \$70.28 | 18.03% | \$12.67 | 20.23% | \$14.22 |
| HDPE--Mixed | \$206.04 | \$277.21 | \$326.80 | \$266.31 | \$269.09 | 1.52% | \$4.08 | 0.96% | \$2.59 |
| HDPE--Natural | \$388.03 | \$600.00 | \$1,074.65 | \$1,378.28 | \$860.24 | 0.52% | \$4.51 | 1.04% | \$8.92 |
| LDPE--Mixed | \$0.00 | \$0.00 | \$0.00 | \$0.00 | (\$70.25) | 5.50% | (\$3.87) | 4.97% | (\$3.49) |
| METAL | \$81.92 | \$115.79 | \$128.41 | \$177.12 | \$125.81 | 4.65% | \$5.85 | 1.81% | \$2.28 |
| Mixed Plastic | \$20.00 | \$18.48 | \$22.02 | \$80.46 | \$35.24 | 1.23% | \$0.43 | 1.93% | \$0.68 |
| Newspaper | \$14.93 | \$33.24 | \$40.25 | \$52.05 | \$35.12 | 22.93% | \$8.05 | 15.01% | \$5.27 |
| PET | \$2,341.87 | \$2,296.66 | \$2,025.18 | \$2,345.99 | \$2,252.43 | 2.24% | \$50.45 | 1.13% | \$25.42 |
| TIN | \$33.03 | \$43.81 | \$85.46 | \$137.46 | \$74.94 | 0.62% | \$0.47 | 1.17% | \$0.87 |
| Residue | | | | | (\$70.25) | 10.62% | (\$7.46) | 7.64% | (\$5.37) |
| Single Stream Value per Ton | | | | | | 100% | \$139.01 | 100% | \$109.88 |

| | | |
|---|------------------|------------------|
| City 70% Material Sales Revenue Share (30% paid to NRWS) | \$97.31 | \$76.91 |
| Over-baseline Processing Fee paid to NRWS (3% PPI increase) | 88.73 | 88.73 |
| Net Revenue Retained by City | \$8.58 | (\$11.81) |
| Projected \$/ton Single-Stream Portion of Capital Costs | \$ 11.52 | \$ 11.52 |
| Recommended Market Variability (14%) Buffer | \$ 19.46 | \$ 15.38 |
| Net Revenue before Proposed Gate Fee | (\$22.41) | (\$38.72) |
| Proposed Residential Single-Stream Gate Fee | \$ 25.00 | |
| Proposed Commercial Single-Stream Gate Fee | | \$42.00 |
| Net Revenue Retained by City (before 14% market buffer) | \$ 2.59 | \$3.28 |
| Net Revenue Retained by City (after 14% market buffer) | \$ 22.05 | \$18.66 |

2022 PROJECTED COUNTY PRICING

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

PROJECTED 2022 COUNTY (NCRWS) PRICING (Using CY2021 Material Sales Data)

| Material | 1st Quarter Average \$ Received | 2nd Quarter Average \$ Received | 3rd Quarter Average \$ Received | 4th Quarter Average \$ Received | 2021 Average Quarterly Pricing | Residential Most Recent Composition % | Average Price/Ton | Commercial Most Recent Composition % | Average Price/Ton |
|------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|---|----------------------|--|----------------------|
| Aluminum | \$4,123.19 | \$4,093.72 | \$3,836.11 | \$4,530.28 | \$4,145.83 | 1.01% | \$41.87 | 0.46% | \$18.86 |
| Cardboard | \$87.87 | \$95.72 | \$97.20 | \$142.43 | \$105.81 | 37.23% | \$39.39 | 53.25% | \$56.34 |
| GLASS--Mixed | \$69.83 | \$5.18 | \$114.42 | \$91.67 | \$70.28 | 21.48% | \$15.09 | 20.11% | \$14.13 |
| HDPE--Mixed | \$206.04 | \$277.21 | \$326.80 | \$266.31 | \$269.09 | 0.70% | \$1.88 | 0.72% | \$1.92 |
| HDPE--Natural | \$388.03 | \$600.00 | \$1,074.65 | \$1,378.28 | \$860.24 | 0.25% | \$2.12 | 1.05% | \$9.03 |
| LDPE--Mixed | \$0.00 | \$0.00 | \$0.00 | \$0.00 | (\$70.25) | 2.47% | (\$1.73) | 2.65% | (\$1.86) |
| METAL | \$81.92 | \$115.79 | \$128.41 | \$177.12 | \$125.81 | 2.64% | \$3.32 | 2.12% | \$2.67 |
| Mixed Plastic | \$20.00 | \$18.48 | \$22.02 | \$80.46 | \$35.24 | 1.47% | \$0.52 | 1.49% | \$0.52 |
| Newspaper | \$14.93 | \$33.24 | \$40.25 | \$52.05 | \$35.12 | 18.39% | \$6.46 | 7.04% | \$2.47 |
| PET | \$2,341.87 | \$2,296.66 | \$2,025.18 | \$2,345.99 | \$2,252.43 | 3.74% | \$84.32 | 2.02% | \$45.50 |
| TIN | \$33.03 | \$43.81 | \$85.46 | \$137.46 | \$74.94 | 0.87% | \$0.65 | 1.65% | \$1.24 |
| Residue | | | | | (\$70.25) | 9.37% | (\$6.58) | 7.25% | (\$5.09) |
| Single Stream Value per Ton | | | | | | 100% | \$187.30 | 100% | \$145.75 |

| | | |
|---|----------------|------------------|
| City 70% Material Sales Revenue Share (30% paid to NRWS) | \$131.11 | \$102.02 |
| Over-baseline Processing Fee paid to NRWS (3% PPI increase) | 88.73 | 88.73 |
| Net Revenue Retained by City | \$42.38 | \$13.30 |
| Projected \$/ton Single-Stream Portion of Capital Costs | \$ 11.52 | \$ 11.52 |
| Recommended Market Variability (10%) Buffer | \$ 18.73 | \$ 14.57 |
| Net Revenue before Proposed Gate Fee | \$12.13 | (\$12.80) |
| Proposed Residential Single-Stream Gate Fee (or Credit) | \$ (9.00) | |
| Proposed Commercial Single-Stream Gate Fee | | \$16.00 |
| Net Revenue Retained by City (before 10% market buffer) | \$ 3.13 | \$3.20 |
| Net Revenue Retained by City (after 10% market buffer) | \$ 21.86 | \$17.77 |

MARKET VOLATILITY (CY14-CY21)

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

| Description | CY2021 (Average \$/ton) | CY2020 (Average \$/ton) | CY2019 (Average \$/ton) | CY2018 (Average \$/ton) | CY2017 (Average \$/ton) | CY2016 (Average \$/ton) | CY2015 (Average \$/ton) | CY2014 (Average \$/ton) |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------------|
| Residential Single Stream | \$139.17 | \$126.83 | \$121.00 | \$135.01 | \$164.73 | \$150.75 | \$163.11 | \$175.29 |
| Commercial Single Stream | \$110.00 | \$91.26 | \$88.20 | \$103.97 | \$133.71 | \$118.96 | \$137.96 | \$152.69 |
| | | | | | | | | Average Annual Change (CY16-CY21) |
| | CY21 vs. CY20 | CY20 vs. CY19 | CY19 vs. CY18 | CY18 vs. CY17 | CY17 vs. CY16 | CY16 vs. CY15 | CY15 vs. CY14 | |
| Residential \$/ton Change | \$12.34 | \$5.83 | (\$14.01) | (\$29.72) | \$13.99 | (\$12.37) | (\$12.17) | (\$5.16) |
| Residential \$/ton % Change | 10% | 5% | -10% | -18% | 9% | -8% | -7% | -3% |
| Residential % Change Absolute Value | 10% | 5% | 10% | 18% | 9% | 8% | 7% | 10% |
| Commercial \$/ton Change | \$18.75 | \$3.06 | (\$15.77) | (\$29.74) | \$14.76 | (\$19.00) | (\$14.73) | (\$6.10) |
| Commercial \$/ton % Change | 21% | 3% | -15% | -22% | 12% | -14% | -10% | -3% |
| Commercial % Change Absolute Value | 21% | 3% | 15% | 22% | 12% | 14% | 10% | 14% |
| Recommended Market Volatility Buffer Percentage (Non-County Third Party) | | | | | | | | 14% |
| Recommended Market Volatility Buffer Percentage (Napa County/NCRWS) | | | | | | | | 10% |

2021 AVERAGE PRICING

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

2021 AVERAGE QUARTERLY PRICING

| Material | 1st Quarter Average \$ Received | 2nd Quarter Average \$ Received | 3rd Quarter Average \$ Received | 4th Quarter Average \$ Received | 2021 Average Quarterly Pricing | Residential 3 Year Composition % | Average Price/Ton | Commercial 3 Year Composition % | Average Price/Ton |
|------------------------------------|--|--|--|--|---|---|------------------------------|--|------------------------------|
| Aluminum | \$4,123.19 | \$4,093.72 | \$3,836.11 | \$4,530.28 | \$4,145.83 | 0.75% | \$30.89 | 0.30% | \$12.43 |
| Cardboard | \$87.87 | \$95.72 | \$97.20 | \$142.43 | \$105.81 | 31.12% | \$32.93 | 43.54% | \$46.07 |
| GLASS--Mixed | \$69.83 | \$5.18 | \$114.42 | \$91.67 | \$70.28 | 18.03% | \$12.67 | 20.23% | \$14.22 |
| HDPE--Mixed | \$206.04 | \$277.21 | \$326.80 | \$266.31 | \$269.09 | 1.52% | \$4.08 | 0.96% | \$2.59 |
| HDPE--Natural | \$388.03 | \$600.00 | \$1,074.65 | \$1,378.28 | \$860.24 | 0.52% | \$4.51 | 1.04% | \$8.92 |
| LDPE--Mixed | \$0.00 | \$0.00 | \$0.00 | \$0.00 | (\$69.25) | 5.50% | (\$3.81) | 4.97% | (\$3.44) |
| METAL | \$81.92 | \$115.79 | \$128.41 | \$177.12 | \$125.81 | 4.65% | \$5.85 | 1.81% | \$2.28 |
| Mixed Plastic | \$20.00 | \$18.48 | \$22.02 | \$80.46 | \$35.24 | 1.23% | \$0.43 | 1.93% | \$0.68 |
| Newspaper | \$14.93 | \$33.24 | \$40.25 | \$52.05 | \$35.12 | 22.93% | \$8.05 | 15.01% | \$5.27 |
| PET | \$2,341.87 | \$2,296.66 | \$2,025.18 | \$2,345.99 | \$2,252.43 | 2.24% | \$50.45 | 1.13% | \$25.42 |
| TIN | \$33.03 | \$43.81 | \$85.46 | \$137.46 | \$74.94 | 0.62% | \$0.47 | 1.17% | \$0.87 |
| Residue | | | | | (\$69.25) | 10.62% | (\$7.35) | 7.64% | (\$5.29) |
| Single Stream Value per Ton | | | | | | 100% | \$139.17 | 100% | \$110.00 |

2020 AVERAGE PRICING

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

2020 AVERAGE QUARTERLY PRICING

| Material | 1st Quarter Average \$ Received | 2nd Quarter Average \$ Received | 3rd Quarter Average \$ Received | 4th Quarter Average \$ Received | 2019 Average Quarterly Pricing | Residential 3 Year Composition % | Average Price/Ton | Commercial 3 Year Composition % | Average Price/Ton |
|------------------------------------|--|--|--|--|---|---|------------------------------|--|------------------------------|
| Aluminum | \$3,915.76 | \$4,315.26 | \$3,614.91 | \$3,566.44 | \$3,853.09 | 0.58% | \$22.35 | 0.29% | \$11.17 |
| Cardboard | \$46.00 | \$36.69 | \$58.13 | \$110.37 | \$62.80 | 28.26% | \$17.75 | 38.11% | \$23.93 |
| GLASS--Mixed | \$125.76 | \$64.18 | \$93.43 | \$60.61 | \$86.00 | 21.22% | \$18.25 | 22.86% | \$19.66 |
| HDPE--Mixed | \$148.50 | \$257.73 | \$186.67 | \$175.58 | \$192.12 | 1.47% | \$2.82 | 1.28% | \$2.46 |
| HDPE--Natural | \$337.86 | \$254.46 | \$697.73 | \$0.00 | \$322.51 | 0.57% | \$1.84 | 1.37% | \$4.42 |
| LDPE--Mixed | \$0.00 | \$0.00 | \$0.00 | \$0.00 | (\$68.25) | 4.51% | (\$3.08) | 4.87% | (\$3.32) |
| METAL | \$90.51 | \$41.49 | \$60.22 | \$64.56 | \$64.20 | 2.83% | \$1.82 | 1.36% | \$0.87 |
| Mixed Plastic | \$22.97 | \$20.00 | \$20.00 | \$19.61 | \$20.65 | 1.33% | \$0.27 | 2.42% | \$0.50 |
| Newspaper | (\$13.70) | (\$16.82) | (\$13.42) | (\$2.73) | (\$11.67) | 25.51% | (\$2.98) | 15.09% | (\$1.76) |
| PET | \$3,117.35 | \$2,286.16 | \$2,096.60 | \$2,358.52 | \$2,464.66 | 3.01% | \$74.19 | 1.56% | \$38.45 |
| TIN | \$25.28 | \$21.09 | \$26.91 | \$27.13 | \$25.10 | 0.98% | \$0.25 | 2.40% | \$0.60 |
| Residue | | | | | (\$68.25) | 9.73% | (\$6.64) | 8.39% | (\$5.73) |
| Single Stream Value per Ton | | | | | | | \$126.83 | | \$91.26 |

2019 AVERAGE PRICING

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

2019 AVERAGE QUARTERLY PRICING

| Material | 1st Quarter Average \$ Received | 2nd Quarter Average \$ Received | 3rd Quarter Average \$ Received | 4th Quarter Average \$ Received | 2019 Average Quarterly Pricing | Residential 3 Year Composition % | Average Price/Ton | Commercial 3 Year Composition % | Average Price/Ton |
|------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--|----------------------|---------------------------------------|----------------------|
| Aluminum | \$4,931.63 | \$4,535.65 | \$4,426.20 | \$4,020.76 | \$4,478.56 | 0.53% | \$23.92 | 0.23% | \$10.39 |
| Cardboard | \$77.93 | \$92.87 | \$78.10 | \$42.40 | \$72.83 | 23.78% | \$17.32 | 34.65% | \$25.23 |
| GLASS--Mixed | \$43.89 | \$51.32 | \$57.62 | \$24.84 | \$44.42 | 23.71% | \$10.53 | 18.56% | \$8.25 |
| HDPE--Mixed | \$182.14 | \$135.03 | \$129.45 | \$384.80 | \$207.86 | 1.50% | \$3.12 | 1.27% | \$2.64 |
| HDPE--Natural | \$578.20 | \$489.38 | \$467.50 | \$417.11 | \$488.05 | 0.60% | \$2.90 | 1.10% | \$5.34 |
| LDPE--Mixed | \$0.00 | \$0.00 | \$0.00 | \$0.00 | (\$68.25) | 3.71% | (\$2.53) | 4.27% | (\$2.92) |
| METAL | \$116.62 | \$89.39 | \$96.66 | \$100.11 | \$100.70 | 2.00% | \$2.01 | 4.56% | \$4.59 |
| Mixed Plastic | \$7.44 | \$7.72 | \$23.14 | \$28.22 | \$16.63 | 1.15% | \$0.19 | 2.70% | \$0.45 |
| Newspaper | \$3.53 | \$4.93 | (\$18.16) | (\$15.12) | (\$6.21) | 29.37% | (\$1.82) | 19.83% | (\$1.23) |
| PET | \$2,036.82 | \$1,877.15 | \$1,893.32 | \$2,419.18 | \$2,056.62 | 3.44% | \$70.79 | 1.89% | \$38.91 |
| TIN | \$56.15 | \$48.07 | \$41.63 | \$33.79 | \$44.91 | 1.36% | \$0.61 | 3.54% | \$1.59 |
| Residue | | | | | (\$68.25) | 8.84% | (\$6.03) | 7.40% | (\$5.05) |
| Single Stream Value per Ton | | | | | | | \$121.00 | | \$88.20 |

2018 AVERAGE PRICING

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

2018 AVERAGE QUARTERLY PRICING

| Material | 1st Quarter Average \$ Received | 2nd Quarter Average \$ Received | 3rd Quarter Average \$ Received | 4th Quarter Average \$ Received | 2018 Average Quarterly Pricing | Residential 3 Year Composition % | Average Price/Ton | Commercial 3 Year Composition % | Average Price/Ton |
|------------------------------------|--|--|--|--|---|---|------------------------------|--|------------------------------|
| Aluminum | \$4,582.71 | \$5,052.60 | \$4,297.20 | \$4,455.64 | \$4,597.04 | 0.53% | \$24.55 | 0.23% | \$10.67 |
| Cardboard | \$165.37 | \$129.03 | \$65.93 | \$56.15 | \$104.12 | 23.78% | \$24.76 | 34.65% | \$36.08 |
| GLASS--Mixed | \$42.27 | \$42.18 | \$41.26 | \$41.26 | \$41.74 | 23.71% | \$9.90 | 18.56% | \$7.75 |
| HDPE--Mixed | \$140.44 | \$123.27 | \$185.10 | \$193.66 | \$160.62 | 1.50% | \$2.41 | 1.27% | \$2.04 |
| HDPE--Natural | \$377.41 | \$408.61 | \$336.69 | \$461.75 | \$396.12 | 0.60% | \$2.36 | 1.10% | \$4.34 |
| LDPE--Mixed | \$0.00 | \$0.00 | \$0.00 | \$0.00 | (\$67.25) | 3.71% | (\$2.50) | 4.27% | (\$2.87) |
| METAL | \$117.53 | \$101.00 | \$109.17 | \$105.33 | \$108.26 | 2.00% | \$2.16 | 4.56% | \$4.94 |
| Mixed Plastic | \$59.21 | \$33.46 | \$32.15 | \$30.63 | \$38.86 | 1.15% | \$0.45 | 2.70% | \$1.05 |
| Newspaper | \$104.15 | \$67.58 | (\$8.72) | (\$21.17) | \$35.46 | 29.37% | \$10.41 | 19.83% | \$7.03 |
| PET | \$2,264.67 | \$1,903.43 | \$1,526.44 | \$1,949.04 | \$1,910.90 | 3.44% | \$65.77 | 1.89% | \$36.15 |
| TIN | \$21.05 | \$60.00 | \$60.00 | \$60.00 | \$50.26 | 1.36% | \$0.69 | 3.54% | \$1.78 |
| Residue | | | | | (\$67.25) | 8.84% | (\$5.95) | 7.40% | (\$4.98) |
| Single Stream Value per Ton | | | | | | | \$135.01 | | \$103.97 |

2017 AVERAGE PRICING

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

2017 AVERAGE QUARTERLY PRICING

| Material | 1st Quarter Average \$ Received | 2nd Quarter Average \$ Received | 3rd Quarter Average \$ Received | 4th Quarter Average \$ Received | 2017 Average Quarterly Pricing | Residential 3 Year Composition % | Average Price/Ton | Commercial 3 Year Composition % | Average Price/Ton |
|------------------------------------|--|--|--|--|---|---|------------------------------|--|------------------------------|
| Aluminum | \$3,660.68 | \$4,236.75 | \$4,205.97 | \$4,249.53 | \$4,088.23 | 0.53% | \$21.83 | 0.23% | \$9.48 |
| Cardboard | \$79.19 | \$138.64 | \$169.27 | \$187.81 | \$143.73 | 23.78% | \$34.18 | 34.65% | \$49.80 |
| GLASS--Mixed | \$56.88 | \$60.68 | \$10.77 | \$35.71 | \$41.01 | 23.71% | \$9.72 | 18.56% | \$7.61 |
| HDPE--Mixed | \$169.64 | \$217.08 | \$324.14 | \$156.83 | \$216.92 | 1.50% | \$3.25 | 1.27% | \$2.75 |
| HDPE--Natural | \$503.61 | \$163.61 | \$293.81 | \$492.20 | \$363.31 | 0.60% | \$2.16 | 1.10% | \$3.98 |
| LDPE--Mixed | \$22.46 | \$14.54 | \$28.36 | \$0.00 | \$16.34 | 3.71% | \$0.61 | 4.27% | \$0.70 |
| METAL | \$50.38 | \$63.12 | \$81.02 | \$81.36 | \$68.97 | 2.00% | \$1.38 | 4.56% | \$3.15 |
| Mixed Plastic | \$97.32 | \$101.19 | \$113.54 | \$90.00 | \$100.51 | 1.15% | \$1.16 | 2.70% | \$2.71 |
| Newspaper | \$109.13 | \$112.66 | \$109.90 | \$93.47 | \$106.29 | 29.37% | \$31.22 | 19.83% | \$21.08 |
| PET | \$1,797.85 | \$1,896.28 | \$1,916.88 | \$1,862.71 | \$1,868.43 | 3.44% | \$64.31 | 1.89% | \$35.35 |
| TIN | \$42.71 | \$45.26 | \$64.79 | \$73.37 | \$56.53 | 1.36% | \$0.77 | 3.54% | \$2.00 |
| Residue | \$0.00 | \$0.00 | \$0.00 | \$0.00 | (\$66.25) | 8.84% | (\$5.86) | 7.40% | (\$4.90) |
| Single Stream Value per Ton | | | | | | | \$164.73 | | \$133.71 |

2016 AVERAGE PRICING

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

2016 AVERAGE QUARTERLY PRICING

| Material | 1st Quarter Average \$ Received | 2nd Quarter Average \$ Received | 3rd Quarter Average \$ Received | 4th Quarter Average \$ Received | 2016 Average Quarterly Pricing | Residential 3 Year Composition % | Average Price/Ton | Commercial 3 Year Composition % | Average Price/Ton |
|------------------------------------|--|--|--|--|---|---|------------------------------|--|------------------------------|
| Aluminum | \$4,220.94 | \$3,801.35 | \$4,238.99 | \$4,341.62 | \$4,150.73 | 0.53% | \$22.16 | 0.23% | \$9.63 |
| Cardboard | \$123.57 | \$115.73 | \$104.16 | \$111.18 | \$113.66 | 23.78% | \$27.03 | 34.65% | \$39.38 |
| GLASS--Mixed | \$51.97 | \$58.02 | \$63.50 | \$53.36 | \$56.71 | 23.71% | \$13.45 | 18.56% | \$10.53 |
| HDPE--Mixed | \$411.79 | \$350.71 | \$223.13 | \$205.90 | \$297.88 | 1.50% | \$4.47 | 1.27% | \$3.78 |
| HDPE--Natural | \$800.25 | \$588.62 | \$351.53 | \$430.23 | \$542.66 | 0.60% | \$3.23 | 1.10% | \$5.94 |
| LDPE--Mixed | \$2.23 | \$7.50 | \$18.01 | \$12.24 | \$10.00 | 3.71% | \$0.37 | 4.27% | \$0.43 |
| METAL | \$86.14 | \$24.96 | \$38.08 | \$49.15 | \$49.58 | 2.00% | \$0.99 | 4.56% | \$2.26 |
| Mixed Plastic | \$105.97 | \$76.94 | \$61.86 | \$85.96 | \$82.68 | 1.15% | \$0.95 | 2.70% | \$2.23 |
| Newspaper | \$84.13 | \$69.51 | \$73.31 | \$88.34 | \$78.82 | 29.37% | \$23.15 | 19.83% | \$15.63 |
| PET | \$1,808.32 | \$1,662.54 | \$1,689.54 | \$1,860.93 | \$1,755.33 | 3.44% | \$60.42 | 1.89% | \$33.21 |
| TIN | \$33.62 | \$14.13 | \$7.85 | \$30.41 | \$21.50 | 1.36% | \$0.29 | 3.54% | \$0.76 |
| Residue | | | | | (\$65.25) | 8.84% | (\$5.77) | 7.40% | (\$4.83) |
| Single Stream Value per Ton | | | | | | | \$150.75 | | \$118.96 |

2015 AVERAGE PRICING

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

2015 AVERAGE QUARTERLY PRICING

| Material | 1st Quarter Average \$ Received | 2nd Quarter Average \$ Received | 3rd Quarter Average \$ Received | 4th Quarter Average \$ Received | 2015 Average Quarterly Pricing | Residential 3 Year Composition % | Average Price/Ton | Commercial 3 Year Composition % | Average Price/Ton |
|------------------------------------|--|--|--|--|---|---|------------------------------|--|------------------------------|
| Aluminum | \$5,497.16 | \$3,626.80 | \$4,021.98 | \$4,428.60 | \$4,393.64 | 0.53% | \$23.46 | 0.23% | \$10.19 |
| Cardboard | \$134.49 | \$128.76 | \$100.75 | \$115.76 | \$119.94 | 23.78% | \$28.52 | 34.65% | \$41.56 |
| GLASS--Mixed | \$62.46 | \$71.70 | \$32.83 | \$51.76 | \$54.69 | 23.71% | \$12.97 | 18.56% | \$10.15 |
| HDPE--Mixed | \$595.09 | \$624.57 | \$432.42 | \$565.42 | \$554.38 | 1.50% | \$8.32 | 1.27% | \$7.04 |
| HDPE--Natural | \$946.72 | \$959.16 | \$525.56 | \$644.22 | \$768.92 | 0.60% | \$4.58 | 1.10% | \$8.42 |
| LDPE--Mixed | \$96.07 | \$54.25 | \$76.30 | \$126.16 | \$88.20 | 3.71% | \$3.28 | 4.27% | \$3.77 |
| METAL | \$140.24 | \$134.79 | \$81.96 | \$63.95 | \$105.24 | 2.00% | \$2.10 | 4.56% | \$4.80 |
| Mixed Plastic | \$231.61 | \$209.64 | \$151.91 | \$174.33 | \$191.87 | 1.15% | \$2.21 | 2.70% | \$5.17 |
| Newspaper | \$97.57 | \$88.24 | \$68.10 | \$81.23 | \$83.79 | 29.37% | \$24.61 | 19.83% | \$16.62 |
| PET | \$1,600.08 | \$1,788.94 | \$1,575.21 | \$1,710.16 | \$1,668.60 | 3.44% | \$57.43 | 1.89% | \$31.57 |
| TIN | \$150.20 | \$127.25 | \$80.05 | \$30.17 | \$96.92 | 1.36% | \$1.32 | 3.54% | \$3.43 |
| Residue | | | | | (\$64.25) | 8.84% | (\$5.68) | 7.40% | (\$4.75) |
| Single Stream Value per Ton | | | | | | | \$163.11 | | \$137.96 |

2014 AVERAGE PRICING

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

2014 AVERAGE QUARTERLY PRICING

| Material | 1st Quarter Average \$ Received | 2nd Quarter Average \$ Received | 3rd Quarter Average \$ Received | 4th Quarter Average \$ Received | 2014 Average Quarterly Pricing | Residential 3 Year Composition % | Average Price/Ton | Commercial 3 Year Composition % | Average Price/Ton |
|------------------------------------|--|--|--|--|---|---|------------------------------|--|------------------------------|
| Aluminum | \$4,906.23 | \$4,150.79 | \$4,448.37 | \$3,726.54 | \$4,307.98 | 0.53% | \$23.00 | 0.23% | \$9.99 |
| Cardboard | \$159.67 | \$142.59 | \$153.40 | \$133.22 | \$147.22 | 23.78% | \$35.01 | 34.65% | \$51.01 |
| GLASS--Mixed | \$73.43 | \$67.22 | (\$28.87) | \$226.81 | \$84.65 | 23.71% | \$20.07 | 18.56% | \$15.71 |
| HDPE--Mixed | \$438.77 | \$418.91 | \$511.27 | \$567.25 | \$484.05 | 1.50% | \$7.26 | 1.27% | \$6.14 |
| HDPE--Natural | \$715.32 | \$681.07 | \$804.71 | \$733.34 | \$733.61 | 0.60% | \$4.36 | 1.10% | \$8.03 |
| LDPE--Mixed | \$5.47 | \$1.47 | \$14.26 | \$35.11 | \$14.08 | 3.71% | \$0.52 | 4.27% | \$0.60 |
| METAL | \$153.74 | \$164.98 | \$146.66 | \$141.95 | \$151.83 | 2.00% | \$3.03 | 4.56% | \$6.93 |
| Mixed Plastic | \$40.26 | \$160.87 | \$134.72 | \$201.58 | \$134.36 | 1.15% | \$1.55 | 2.70% | \$3.62 |
| Newspaper | \$106.62 | \$102.29 | \$104.68 | \$103.29 | \$104.22 | 29.37% | \$30.61 | 19.83% | \$20.67 |
| PET | \$1,545.39 | \$1,588.17 | \$1,528.83 | \$1,544.85 | \$1,551.81 | 3.44% | \$53.41 | 1.89% | \$29.36 |
| TIN | \$143.89 | \$151.89 | \$152.99 | \$150.20 | \$149.74 | 1.36% | \$2.04 | 3.54% | \$5.29 |
| Residue | | | | | (\$63.25) | 8.84% | (\$5.59) | 7.40% | (\$4.68) |
| Single Stream Value per Ton | | | | | | | \$175.29 | | \$152.69 |

CY21 RESIDENTIAL COMPOSITION

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

City Residential

| Date | 12/11/2019 | 12/15/2020 | 12/22/2021 | 3 yr average (2019-21) | % | |
|----------------------------------|---|------------|------------|------------------------|---------------|----------------|
| Composition (% by weight) | | | | | | |
| Paper | Newspaper (including mixed paper and magazines) | 28.11 | 21.56 | 19.11 | 22.93 | 22.93% |
| | Corrugated cardboard (including chipboard and kraft bags) | 29.67 | 34.43 | 29.27 | 31.12 | 31.12% |
| | Paper cartons (#s prior to 2016 are for white office paper) | 0.22 | 0.27 | 0.33 | 0.27 | 0.27% |
| Plastic | PET #1 bottles | 2.00 | 2.31 | 2.41 | 2.24 | 2.24% |
| | HDPE #2 bottles natural | 0.33 | 0.36 | 0.88 | 0.52 | 0.52% |
| | HDPE #2 bottles colored | 1.78 | 1.62 | 1.15 | 1.52 | 1.52% |
| | Film plastic | 6.89 | 4.63 | 4.99 | 5.50 | 5.50% |
| | Mixed rigid plastic | 0.56 | 1.37 | 1.77 | 1.23 | 1.23% |
| Metal | Aluminum cans | 0.56 | 0.76 | 0.92 | 0.75 | 0.75% |
| | Steel/tin cans | 0.44 | 0.43 | 1.00 | 0.62 | 0.62% |
| | Scrap metal | 4.44 | 2.62 | 6.88 | 4.65 | 4.65% |
| Glass | Mixed glass | 15.56 | 19.77 | 18.75 | 18.03 | 18.03% |
| Residue | | 9.44 | 9.87 | 12.54 | 10.62 | 10.62% |
| Total | | 100.00 | 100.00 | 100.00 | 100.00 | 100.00% |

CY21 COMMERCIAL COMPOSITION

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

City Commercial

| Year | 12/11/2019 | 12/15/2020 | 12/28/2021 | Average | 3-year avg (19-21) | % | |
|----------------------------------|--|------------|------------|---------|--------------------|---------------|----------------|
| Composition (% by weight) | | | | | | | |
| Paper | Newspaper (including mixed paper and magazines) | 22.77 | 14.35 | 7.90 | 10.89 | 15.01 | 15.01% |
| | Corrugated cardboard (including chipboard and kraft bags) | 37.90 | 41.23 | 51.50 | 42.80 | 43.54 | 43.54% |
| | Paper cartons (#'s prior to 2016 are for white office paper) | 0.48 | 0.18 | 0.20 | 1.49 | 0.29 | 0.29% |
| Plastic | PET #1 bottles | 0.96 | 1.13 | 1.30 | 1.59 | 1.13 | 1.13% |
| | HDPE #2 bottles natural | 0.16 | 1.67 | 1.28 | 1.11 | 1.04 | 1.04% |
| | HDPE #2 bottles colored | 0.80 | 1.08 | 1.01 | 1.34 | 0.96 | 0.96% |
| | Film plastic | 6.37 | 4.34 | 4.20 | 1.94 | 4.97 | 4.97% |
| | Mixed rigid plastic | 1.75 | 1.93 | 2.10 | 1.61 | 1.93 | 1.93% |
| Metal | Aluminum cans | 0.16 | 0.38 | 0.36 | 0.39 | 0.30 | 0.30% |
| | Steel/tin cans | 0.96 | 1.04 | 1.50 | 3.07 | 1.17 | 1.17% |
| | Scrap metal | 0.32 | 1.81 | 3.30 | 1.88 | 1.81 | 1.81% |
| Glass | Mixed glass | 21.50 | 21.34 | 17.85 | 25.23 | 20.23 | 20.23% |
| Residue | | 5.89 | 9.52 | 7.50 | 6.67 | 7.64 | 7.64% |
| Total | | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00% |

CY21 COUNTY RESIDENTIAL COMPOSITION

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

Napa County (NCRWS) Residential

| Date | | 7/22/2020 | 12/15/2020 | 12/22/2021 | AVG | % |
|----------------------------------|---|-----------|------------|------------|---------------|--------|
| Composition (% by weight) | | | | | | |
| Paper | Newspaper (including mixed paper and magazines) | 18.90 | 15.38 | 20.88 | 18.39 | 0.1839 |
| | Corrugated cardboard (including chipboard and kraft bags) | 39.00 | 41.25 | 31.44 | 37.23 | 0.3723 |
| | Paper cartons | 0.30 | 0.26 | 0.62 | 0.39 | 0.0039 |
| Plastic | PET #1 bottles | 3.89 | 3.76 | 3.58 | 3.74 | 0.0374 |
| | HDPE #2 bottles natural | 0.20 | 0.26 | 0.28 | 0.25 | 0.0025 |
| | HDPE #2 bottles colored | 0.90 | 0.95 | 0.25 | 0.70 | 0.0070 |
| | Film plastic | 1.65 | 1.52 | 4.23 | 2.47 | 0.0247 |
| | Mixed rigid plastic | 2.00 | 1.85 | 0.55 | 1.47 | 0.0147 |
| Metal | Aluminum cans | 0.92 | 0.96 | 1.15 | 1.01 | 0.0101 |
| | Steel/tin cans | 1.01 | 1.16 | 0.44 | 0.87 | 0.0087 |
| | Scrap metal | 3.23 | 3.02 | 1.66 | 2.64 | 0.0264 |
| Glass | Mixed glass | 18.68 | 19.87 | 25.88 | 21.48 | 0.2148 |
| Residue | | 9.32 | 9.76 | 9.04 | 9.37 | 0.0937 |
| Total | | 100.00 | 100.00 | 100.00 | 100.00 | 1.0000 |

CY21 COUNTY COMMERCIAL COMPOSITION

ATTACHMENT 2

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

Napa County (NCRWS) Commercial

| Date | | 8/11/2020 | 8/27/2020 | 12/15/2020 | 12/28/2021 | AVG | % |
|----------------------------------|---|-----------|-----------|------------|------------|---------------|--------|
| Composition (% by weight) | | | | | | | |
| Paper | Newspaper (including mixed paper and magazines) | 10.27 | 6.10 | 5.45 | 6.33 | 7.04 | 0.0704 |
| | Corrugated cardboard (including chipboard and kraft bags) | 41.96 | 63.20 | 59.92 | 47.93 | 53.25 | 0.5325 |
| | Paper cartons | 0.00 | 0.44 | 0.20 | 0.19 | 0.21 | 0.0021 |
| Plastic | PET #1 bottles | 2.16 | 2.10 | 1.96 | 1.86 | 2.02 | 0.0202 |
| | HDPE #2 bottles natural | 1.46 | 0.58 | 0.89 | 1.27 | 1.05 | 0.0105 |
| | HDPE #2 bottles colored | 1.28 | 0.44 | 0.56 | 0.58 | 0.72 | 0.0072 |
| | Film plastic | 2.11 | 3.03 | 2.65 | 2.80 | 2.65 | 0.0265 |
| Metal | Mixed rigid plastic | 2.16 | 1.10 | 0.95 | 1.73 | 1.49 | 0.0149 |
| | Aluminum cans | 0.41 | 0.60 | 0.62 | 0.19 | 0.46 | 0.0046 |
| | Steel/tin cans | 2.58 | 1.50 | 1.46 | 1.06 | 1.65 | 0.0165 |
| | Scrap metal | 2.65 | 0.81 | 3.52 | 1.51 | 2.12 | 0.0212 |
| Glass | Mixed glass | 26.31 | 12.05 | 13.58 | 28.51 | 20.11 | 0.2011 |
| Residue | | 6.65 | 8.05 | 8.24 | 6.04 | 7.25 | 0.0725 |
| Total | | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 1.0000 |

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

CY2020 OVER BASELINE

EXPANSION LEVEL 1

| AREA | BASELINE | EXPANSION LEVEL 1 MAXIMUM | TONS PROCESSED | TONS OVER BASELINE | TONS Within Expansion Level 1 | UNIT COST | TOTAL PAYMENT FOR EXPANSION LEVEL 1 |
|----------------------------------|---------------|---------------------------|----------------|--------------------|-------------------------------|-----------|-------------------------------------|
| Composting Area | 40,670 | 51,215 | 87,549 | 46,879 | 10,545 | 28.33 | \$ 298,688.66 |
| Clean MRF | 19,290 | 27,720 | 43,743 | 24,453 | 8,430 | 80.95 | \$ 682,371.12 |
| Wood Processing | 3,970 | 5,760 | 7,684 | 3,714 | 1,790 | 24.30 | \$ 43,488.54 |
| Source Separated C&D Processing | 16,620 | 19,493 | 19,956 | 3,336 | 2,873 | 18.90 | 54,312.71 |
| TOTALS | 80,550 | 104,188 | 158,933 | 78,383 | 23,638 | | \$ 1,078,861.03 |
| TONS IN EXPANSION LEVEL 1 | | | | | 23,638 | | |

EXPANSION LEVEL 2

| AREA | EXPANSION LEVEL 1 MAXIMUM | TONS PROCESSED | TONS OVER EXPANSION LEVEL 1 MAXIMUM | UNIT COST | TOTAL PAYMENT FOR EXPANSION CAPACITY LEVEL 2 |
|----------------------------------|---------------------------|----------------|-------------------------------------|-----------|--|
| Composting Area | 51,215 | 87,549 | 36,334 | 31.02 | \$ 1,126,911.26 |
| Clean MRF | 27,720 | 43,743 | 16,023 | 83.64 | \$ 1,340,099.25 |
| Wood Processing | 5,760 | 7,684 | 1,924 | 26.97 | \$ 51,907.65 |
| Source Separated C&D Processing | 19,493 | 19,956 | 463 | 21.58 | \$ 9,994.72 |
| TOTALS | 104,188 | 158,933 | 54,745 | | \$ 2,528,912.88 |
| TONS IN EXPANSION LEVEL 2 | | | 54,281 | | |

| | |
|-----------------------------|------------------------|
| TOTAL OB PAYMENT DUE | \$ 3,607,773.91 |
|-----------------------------|------------------------|

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

CY 2019 OVER BASELINE

EXPANSION LEVEL 1

| AREA | BASELINE | EXPANSION LEVEL 1 MAXIMUM | TONS PROCESSED | TONS OVER BASELINE | TONS Within Expansion Level 1 | UNIT COST | TOTAL PAYMENT FOR EXPANSION LEVEL 1 |
|----------------------------------|---------------|---------------------------|----------------|--------------------|-------------------------------|-----------|-------------------------------------|
| Composting Area | 40,670 | 51,215 | 97,013 | 56,343 | 10,545 | 27.93 | \$ 294,564.75 |
| Clean MRF | 19,290 | 27,720 | 51,291 | 32,001 | 8,430 | 79.83 | \$ 672,949.82 |
| Wood Processing | 3,970 | 5,760 | 8,414 | 4,444 | 1,790 | 23.96 | \$ 42,888.11 |
| Source Separated C&D Processing | 16,620 | 19,493 | 18,131 | 1,511 | 1,511 | 18.64 | 28,166.82 |
| TOTALS | 80,550 | 104,188 | 174,848 | 94,298 | 22,276 | | \$ 1,038,569.50 |
| TONS IN EXPANSION LEVEL 1 | | | | | 22,276 | | |

EXPANSION LEVEL 2

| AREA | EXPANSION LEVEL 1 MAXIMUM | TONS PROCESSED | TONS OVER EXPANSION LEVEL 1 MAXIMUM | UNIT COST | TOTAL PAYMENT FOR EXPANSION CAPACITY LEVEL 2 |
|----------------------------------|---------------------------|----------------|-------------------------------------|-----------|--|
| Composting Area | 51,215 | 97,013 | 45,798 | 30.59 | \$ 1,400,811.72 |
| Clean MRF | 27,720 | 51,291 | 23,571 | 82.48 | \$ 1,944,176.97 |
| Wood Processing | 5,760 | 8,414 | 2,654 | 26.60 | \$ 70,595.03 |
| Source Separated C&D Processing | 19,493 | 18,131 | #N/A | 21.29 | N/A |
| TOTALS | 104,188 | 174,848 | #N/A | | \$ 3,415,583.72 |
| TONS IN EXPANSION LEVEL 2 | | | 72,023 | | |

| | |
|-----------------------------|------------------------|
| TOTAL OB PAYMENT DUE | \$ 4,454,153.22 |
|-----------------------------|------------------------|

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

CY 2018 OVER BASELINE

EXPANSION LEVEL 1

| AREA | BASELINE | EXPANSION LEVEL 1 MAXIMUM | TONS PROCESSED | TONS OVER BASELINE | TONS Within Expansion Level 1 | UNIT COST | TOTAL PAYMENT FOR EXPANSION LEVEL 1 |
|----------------------------------|---------------|---------------------------|----------------|--------------------|-------------------------------|-----------|-------------------------------------|
| Composting Area | 40,670 | 51,215 | 95,376 | 54,706 | 10,545 | 27.76 | \$ 292,759.78 |
| Clean MRF | 19,290 | 27,720 | 44,604 | 25,314 | 8,430 | 79.34 | \$ 668,826.25 |
| Wood Processing | 3,970 | 5,760 | 7,861 | 3,891 | 1,790 | 23.81 | \$ 42,625.31 |
| Source Separated C&D Processing | 16,620 | 19,493 | 17,011 | 391 | 391 | 18.53 | 7,244.02 |
| TOTALS | 80,550 | 104,188 | 164,851 | 84,301 | 21,156 | | \$ 1,011,455.36 |
| TONS IN EXPANSION LEVEL 1 | | | | | 21,156 | | |

EXPANSION LEVEL 2

| AREA | EXPANSION LEVEL 1 MAXIMUM | TONS PROCESSED | TONS OVER EXPANSION LEVEL 1 MAXIMUM | UNIT COST | TOTAL PAYMENT FOR EXPANSION CAPACITY LEVEL 2 |
|----------------------------------|---------------------------|----------------|-------------------------------------|-----------|--|
| Composting Area | 51,215 | 95,376 | 44,161 | 30.40 | \$ 1,342,462.14 |
| Clean MRF | 27,720 | 44,604 | 16,884 | 81.98 | \$ 1,384,057.46 |
| Wood Processing | 5,760 | 7,861 | 2,101 | 26.44 | \$ 55,552.57 |
| Source Separated C&D Processing | 19,493 | 17,011 | #N/A | 21.16 | N/A |
| TOTALS | 104,188 | 164,851 | #N/A | | \$ 2,782,072.18 |
| TONS IN EXPANSION LEVEL 2 | | | 63,145 | | |

| | |
|-----------------------------|------------------------|
| TOTAL OB PAYMENT DUE | \$ 3,793,527.54 |
|-----------------------------|------------------------|

CY2021 NON-CITY SS TONNAGE

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

3rd Party Single Stream CY 2021

| Row Labels | Sum of TONS | Sum of AMT |
|---------------------------------------|--------------------|---------------------|
| NORTHERN RECOLOGY SONOMA COUNT | 790.16 | \$23,704.80 |
| SINGLE STREAM RECYCL | 790.16 | \$23,704.80 |
| NORTHERN RECYCLING MT DIABLO | 1,472.01 | \$44,160.30 |
| SINGLE STREAM RECYCL | 1,472.01 | \$44,160.30 |
| NORTHERN RECYCLING UPPERVALLEY | 25.69 | \$0.00 |
| GREEN GLASS | 25.69 | \$0.00 |
| NRWS - BERRYESSA GARBAGE | 117.43 | \$3,522.90 |
| SINGLE STREAM RECYCL | 117.43 | \$3,522.90 |
| NRWS - EL CERRITO | 3,714.49 | \$111,436.80 |
| SINGLE STREAM RECYCL | 3,714.49 | \$111,436.80 |
| NRWS - PARADISE | 1,186.84 | \$35,605.20 |
| SINGLE STREAM RECYCL | 1,186.84 | \$35,605.20 |
| NRWS - RECOLOGY AMERICAN CYN | 4.26 | \$127.80 |
| SINGLE STREAM RECYCL | 4.26 | \$127.80 |
| NRWS - RECOLOGY VALLEJO | 22.33 | \$669.90 |
| SINGLE STREAM RECYCL | 22.33 | \$669.90 |
| NRWS - SONOMA GARBAGE | 2,751.50 | \$82,658.00 |
| CARDBOARD | 5.35 | \$267.50 |
| SINGLE STREAM RECYCL | 2,746.15 | \$82,390.50 |
| SONOMA COUNTY RESOURCE RECOVER | 228.08 | \$6,842.40 |
| SINGLE STREAM RECYCL | 228.08 | \$6,842.40 |
| Grand Total | 10,312.79 | \$308,728.10 |

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

Napa County (NCRWS) Report CY 2021

| Row Labels | Sum of TONS | Sum of AMT |
|---------------------------------|-----------------|---------------------|
| NCRWS COUNTY COMMERCIAL | 1,273.62 | \$48,397.56 |
| SINGLE COMMERCIAL/RO | 1,273.62 | \$48,397.56 |
| NCRWS COUNTY RESIDENTIAL | 2,955.21 | \$44,328.12 |
| SINGLE STREAM RECYCL | 2,955.21 | \$44,328.12 |
| NCRWS COUNTY ROLL OFF | 4,585.51 | \$112,673.36 |
| CARDBOARD | 1,697.84 | \$64,517.92 |
| CLEAR GLASS | 16.32 | -\$32.64 |
| COLORED LDPE PLASTIC | 214.66 | \$8,157.08 |
| GREEN GLASS | 1,523.08 | -\$3,046.18 |
| MIXED RIGID PLASTIC | 254.50 | \$9,671.00 |
| NATURAL LDPE PLASTIC | 92.04 | \$3,497.52 |
| NEWSPAPER | 3.24 | \$123.12 |
| PAPER MIXED | 101.77 | \$3,867.26 |
| PAPER WHITE | 10.71 | \$406.98 |
| PET FILM PLASTIC | 52.85 | \$2,008.30 |
| SINGLE COMMERCIAL/RO | 306.60 | \$11,650.80 |
| TIN CANS | 311.90 | \$11,852.20 |
| Grand Total | 8,814.34 | \$205,399.04 |

2022 MDF RECYCLABLE MATERIALS GATE FEE ANALYSIS

| Description of NRWS Non-Labor Processing Costs | Calendar Year (CY) 2020 | Monthly CY2018 | July 2020 thru Dec 2020 (Non-Labor Processing Costs Only) | Calendar Year (CY) 2021 | Monthly CY2021 | Jan 2021 thru June 2021 (Non-Labor Processing Costs Only) | Total City FY21 payments to NRWS (Non-Labor Processing Costs Only) |
|---|-------------------------|------------------|---|-------------------------|------------------|---|--|
| Baseline Processing Expenses (GL 51004-58902) | \$ 1,048,437 | \$ 87,370 | \$ 524,219 | \$ 1,074,648 | \$ 89,554 | \$ 537,324 | \$ 1,061,543 |
| MRF Upgrades - Capital Cost Only (GL 51004-58902) | \$ 73,329 | \$ 6,111 | \$ 36,664 | \$ 70,815 | \$ 5,901 | \$ 35,407 | \$ 72,072 |
| Totals | \$ 1,121,766 | \$ 93,481 | \$ 560,883 | \$ 1,145,463 | \$ 95,455 | \$ 572,732 | \$ 1,133,615 |

Total FY21 Contractual Non-Labor Processing Costs paid to NRWS (includes Collection, Compost, Wood, C&D and
 \$ 1,133,615

Total CY2021 Contractual Capital Costs paid to NRWS (Compost, Wood, C&D & Clean MRF; no collection capital costs included)

\$ 548,915.02
 \$ 1,682,529.66

Note: Derived from Attachment T-1 of NRWS Compensation Schedule; Processing Capital Cost Only

Total CY2021 Contractual Non-Labor & Capital Costs paid to NRWS (Clean MRF only; no collection costs included)

\$ 841,264.83

Third Party (Non-City & Napa County) Share of Clean MRF Baseline Non-Labor Processing & Capital Costs

\$ 230,483.51

Total Inbound Tons (Based on CY2021; projected for CY2022)

Actual CY2021: 51666

53000

Tons Clean MRF Recycling tons; projected for CY2022 0.726

Single Stream Tons (Based on CY2021; projected for CY2022)

Actual CY2021: 19127

20000

tons of Single Stream & Napa County; projected for CY2022 0.274

| | |
|----------|--|
| \$ 11.52 | Projected CY2020 Capital Cost/Ton of Single Stream |
|----------|--|