



Stewardship Ontario

Cause of Change Graphs

2022 Fee Rates

In response to steward requests for details about annual changes to material fee rates, graphs have been developed to illustrate the factors driving changes from 2021 to 2022.

In each graph, the 2021 rate is the first bar on the left and the 2022 rate is the last bar on the right. The bars in between indicate if a rate increases or decreases due to that factor and notes the change in cents/kg.

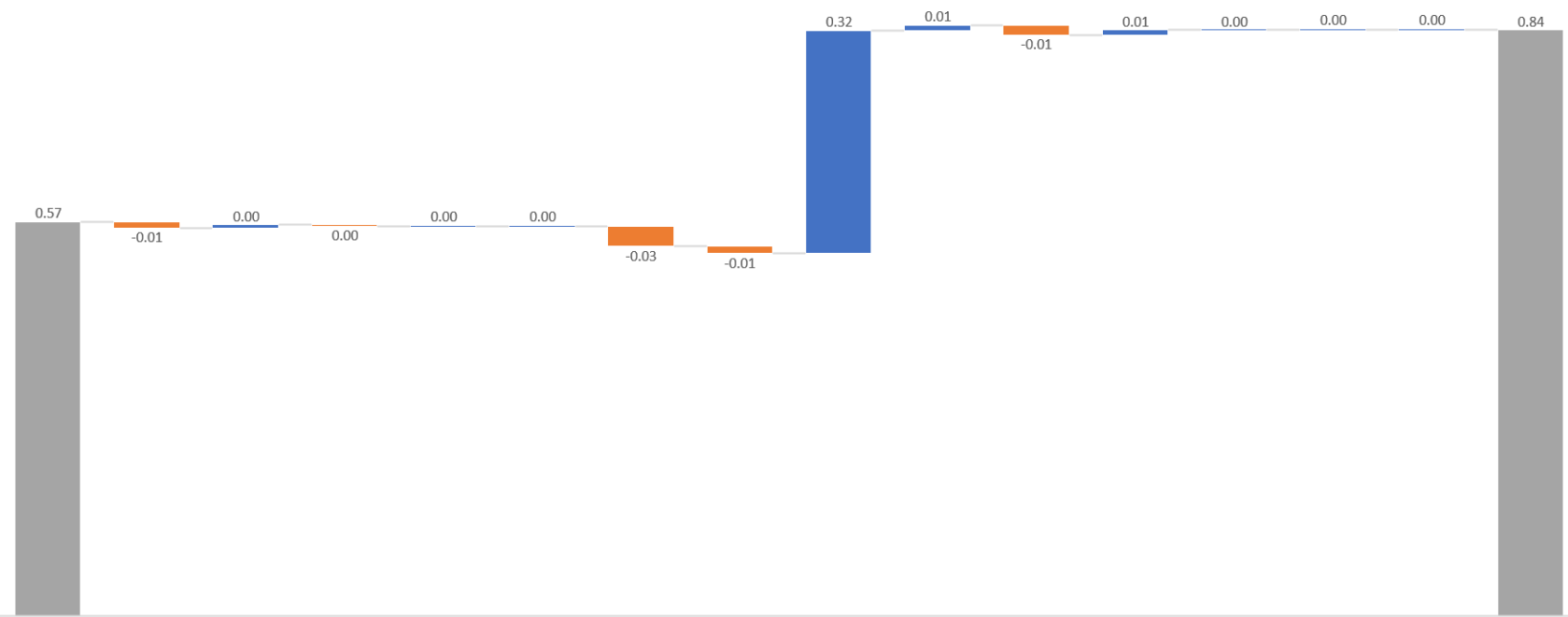
Descriptions of the factors for the program are detailed in the glossary table on the next page. Graphs are presented in the same order as the material categories in the fee schedule presented in the Report to Stewards.

Glossary

Factor	Description
2021 Fee Rate	Chart begins with the published fee rate for the current year.
2021 Disaggregation	Change to fee rate when aggregation is removed. Aggregation is the historic practice of averaging the fees for some materials together. This practice is being phased out (except for SO). All subsequent impacts are illustrated on the disaggregated fee rate.
Gross Cost (Step 1)	Changes in the program's cost to collect, manage, market and oversee these recycling system activities, maintaining the current year's relative share of supply and collected quantities. Only the gross cost value is updated.
Commodity Revenue (Step 2)	Changes in the program's revenue earned from the sale of materials to recycling end markets, maintaining the current year's relative share of managed quantities. Only the total program commodity revenue is updated.
Program Management (Step 3)	Changes to the program management budget (staff, CSSA services, office lease, etc.), maintaining the current year's relative share of PM cost and by updating the PM cost budget only.
Material Market Development (Step 4)	Investments needed to improve the materials' recovery performance (not utilized in 2022).
Surplus Drawdown	Reduction in the fee rate caused by utilization of reserves to finance a portion of the program budget.
Steward Count	Relative share of program management costs for this material based on the change to the count of stewards supplying material in this category.
Supplied Tonnes	The impact on fees caused by an increase or decrease in material's relative share of supply quantities when considering both the change in this material's supply quantity and all other materials.
Recovery Rate	The impact on fees caused by an increase or decrease in material's relative share of managed/collected quantities.
ABC Cost/Tonne	Recalculation of each material's relative share of supply and collected/managed quantities when using an updated Activity Based Cost (ABC) per tonne.
Commodity Revenue/Tonne	Update to the material's commodity price per tonne and the resultant impact on each material's relative share of the program's total commodity revenue.
2022 Aggregation	Change to the material's fee rate caused by aggregation, or averaging, of fee rates for those materials where this historic practice was followed.
Plastic Fund Return	Absence of the Plastic Market Development Fund return in the current fees. The fund was fully returned to the impacted materials as part of the 2021 fees.
Polycoat Fund Return	Absence of the Polycoat Market Development Fund return in the current fees. The fund was fully returned to the impacted materials as part of the 2021 fees.
2022 Fee Rate	This is the final fee rate for the upcoming year considering all causes of change.

Newsprint - CNA/OCNA

■ Increase ■ Decrease ■ Total
Cents/Kg

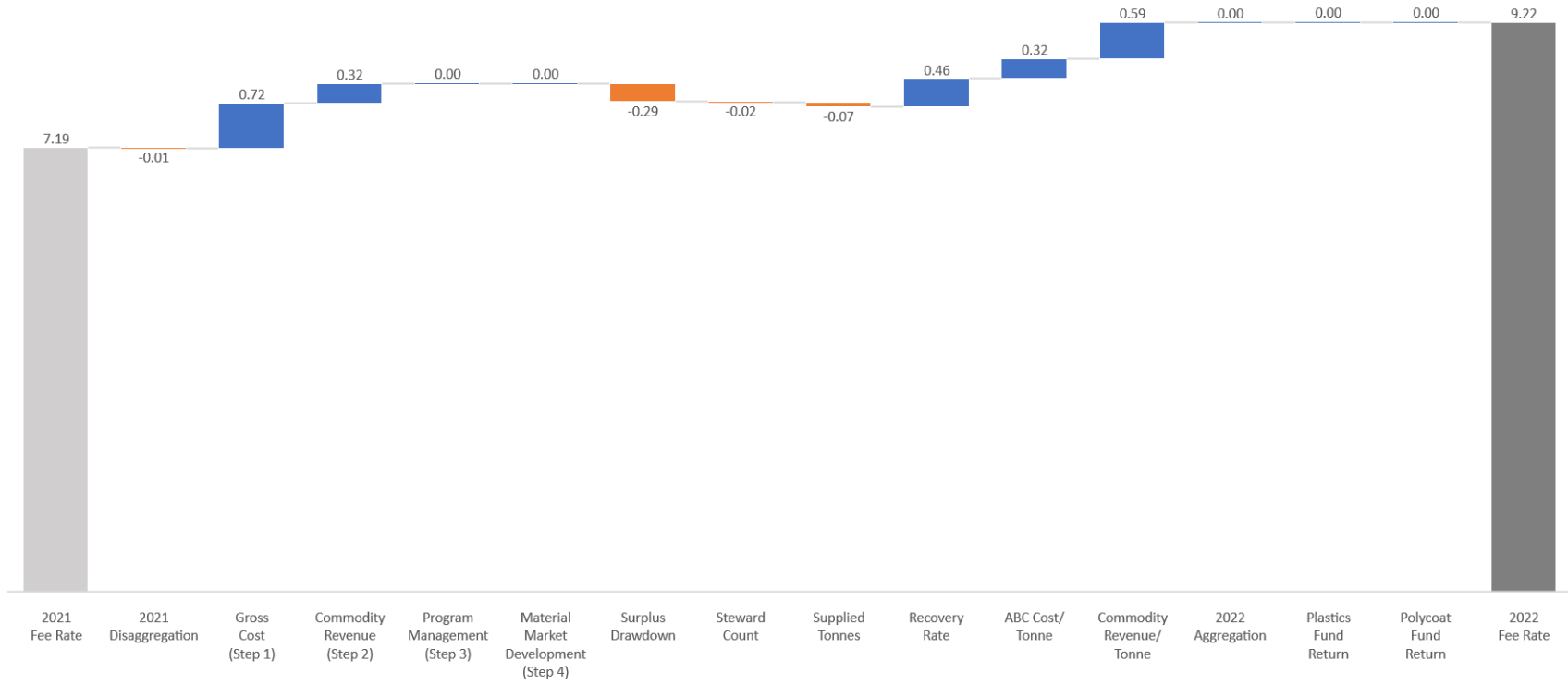


2021 Fee Rate 2021 Disaggregation Gross Cost (Step 1) Commodity Revenue (Step 2) Program Management (Step 3) Material Market Development (Step 4) Surplus Drawdown Steward Count Supplied Tonnes Recovery Rate ABC Cost/Tonne Commodity Revenue/Tonne 2022 Aggregation Plastics Fund Return Polycoat Fund Return 2022 Fee Rate

Newsprint - Non-CNA/OCNA

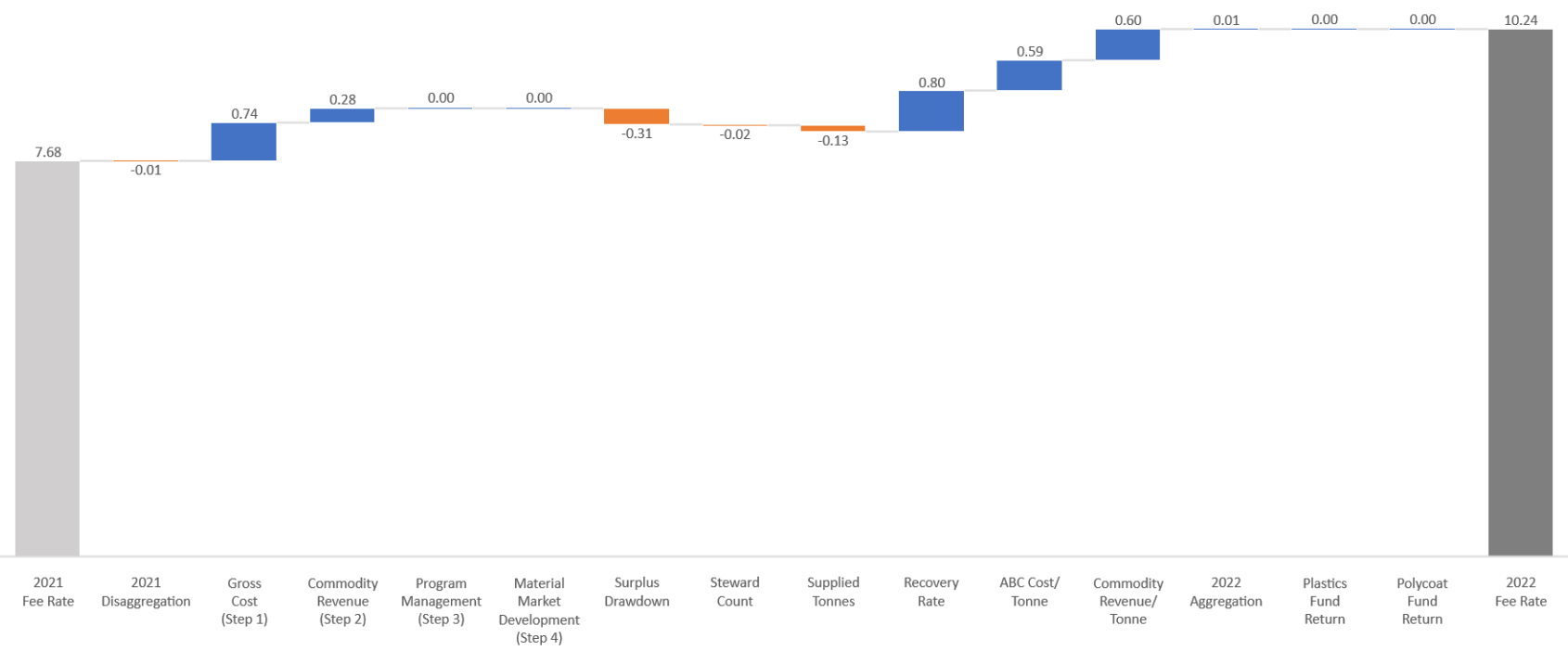
■ Increase
 ■ Decrease
 ■ Total

Cents/Kg



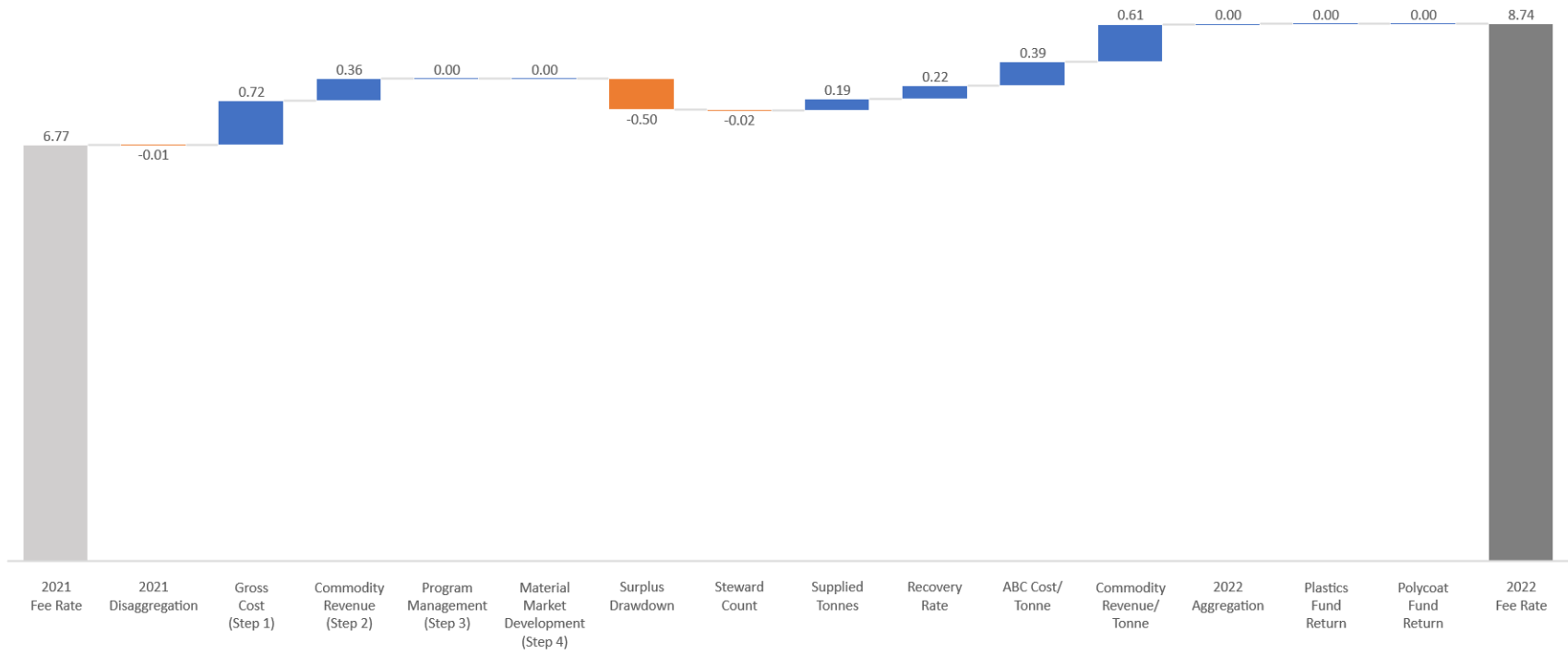
Magazines and Catalogues

■ Increase
 ■ Decrease
 ■ Total
 Cents/Kg



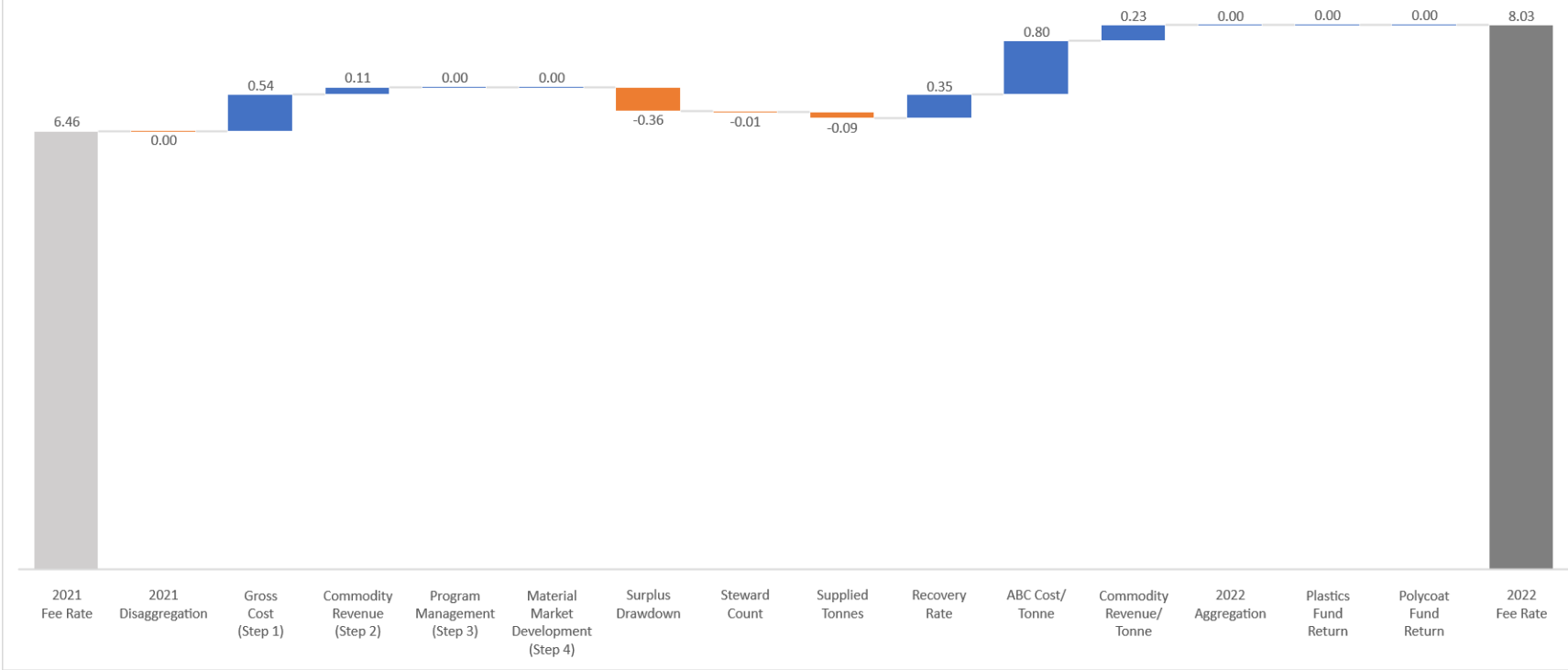
Telephone Books

■ Increase
 ■ Decrease
 ■ Total
 Cents/Kg



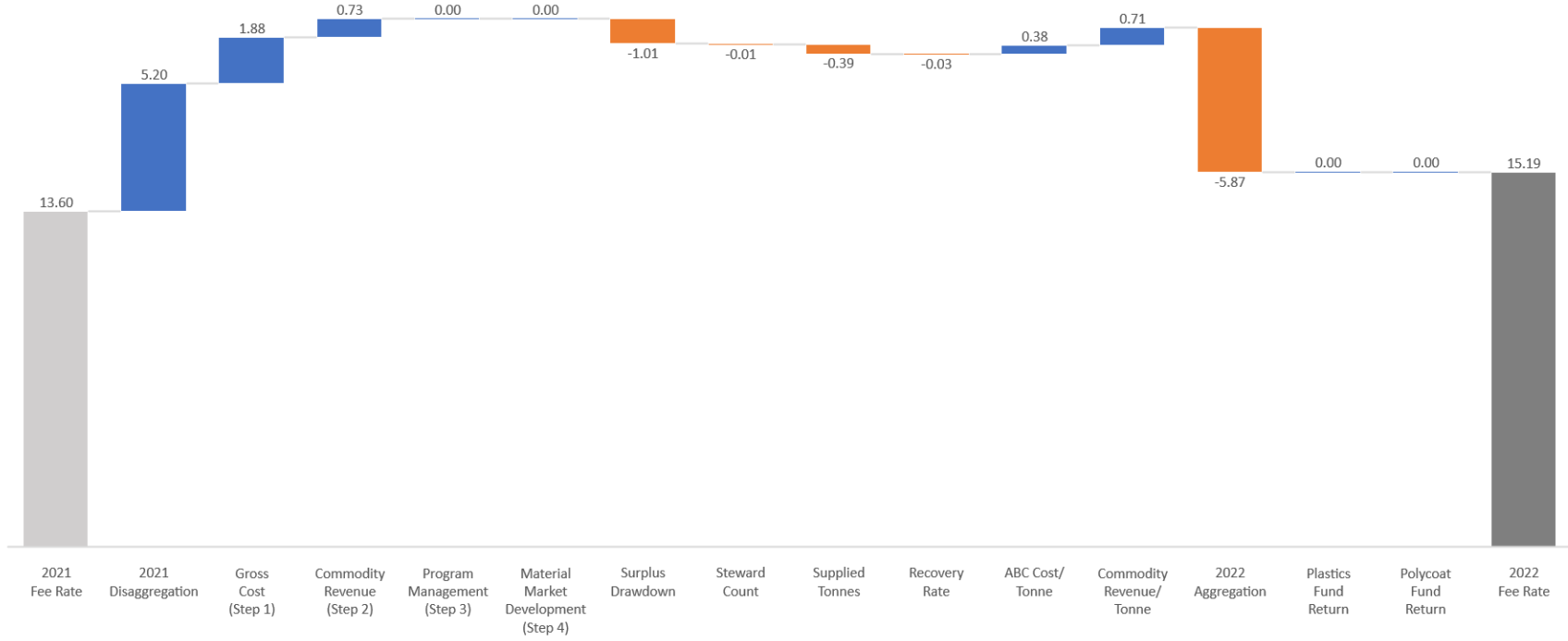
Other Printed Paper

■ Increase
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 ■ Total
 Cents/Kg



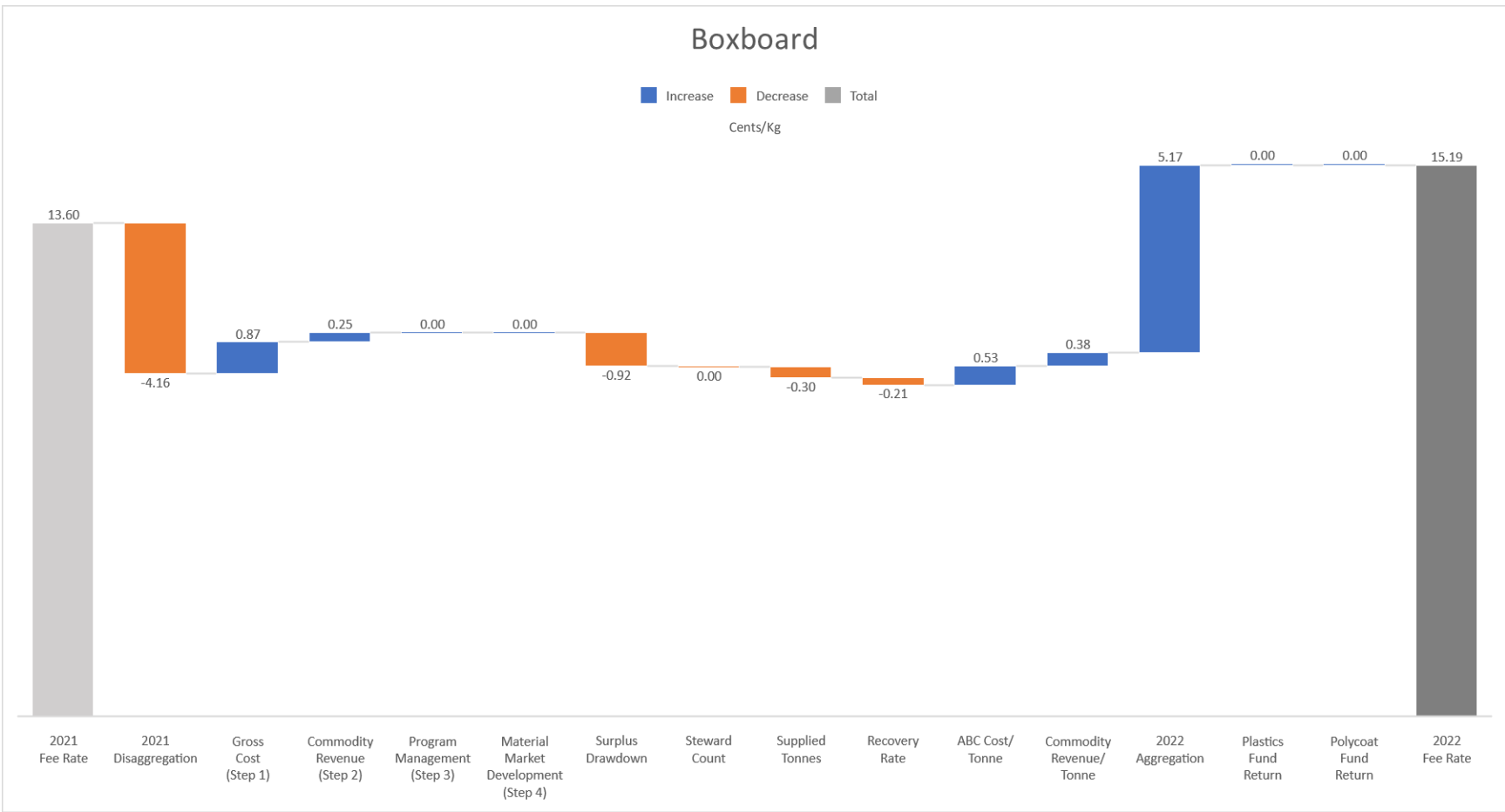
Corrugated Cardboard

■ Increase
 ■ Decrease
 ■ Total
 Cents/Kg



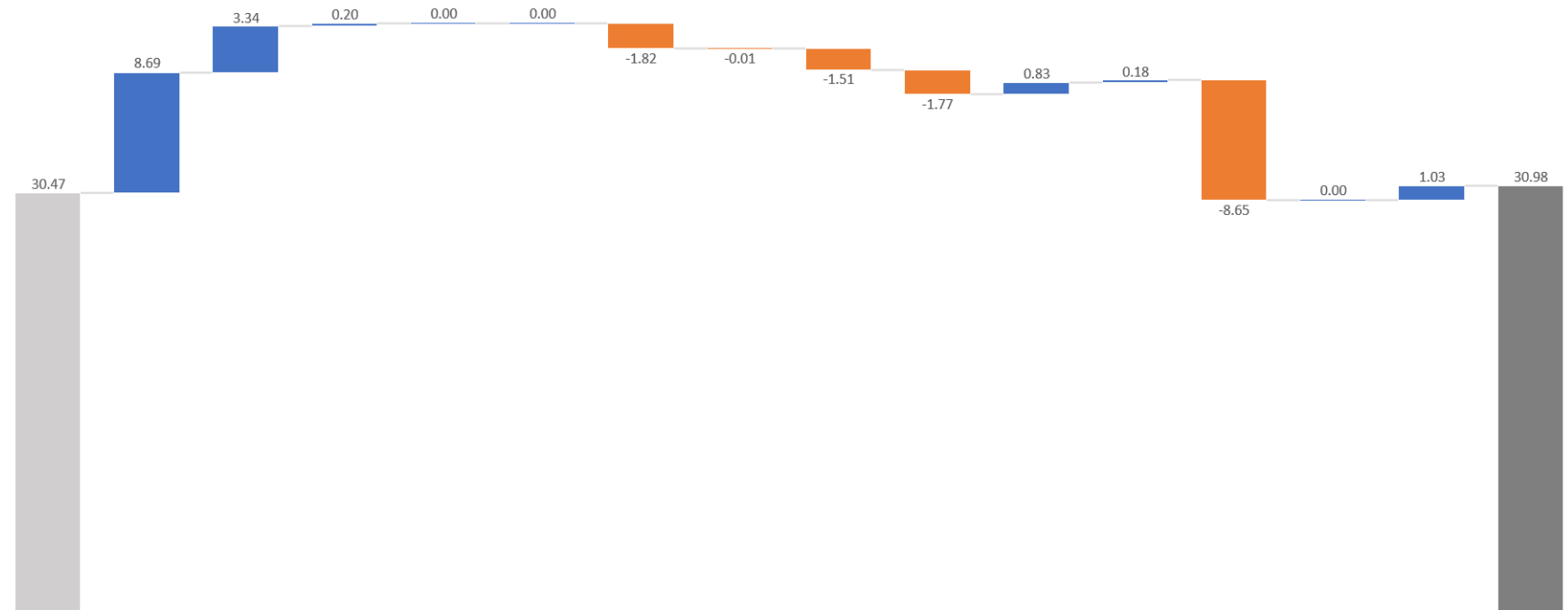
Boxboard

■ Increase
 ■ Decrease
 ■ Total
 Cents/Kg



Gable Top Cartons

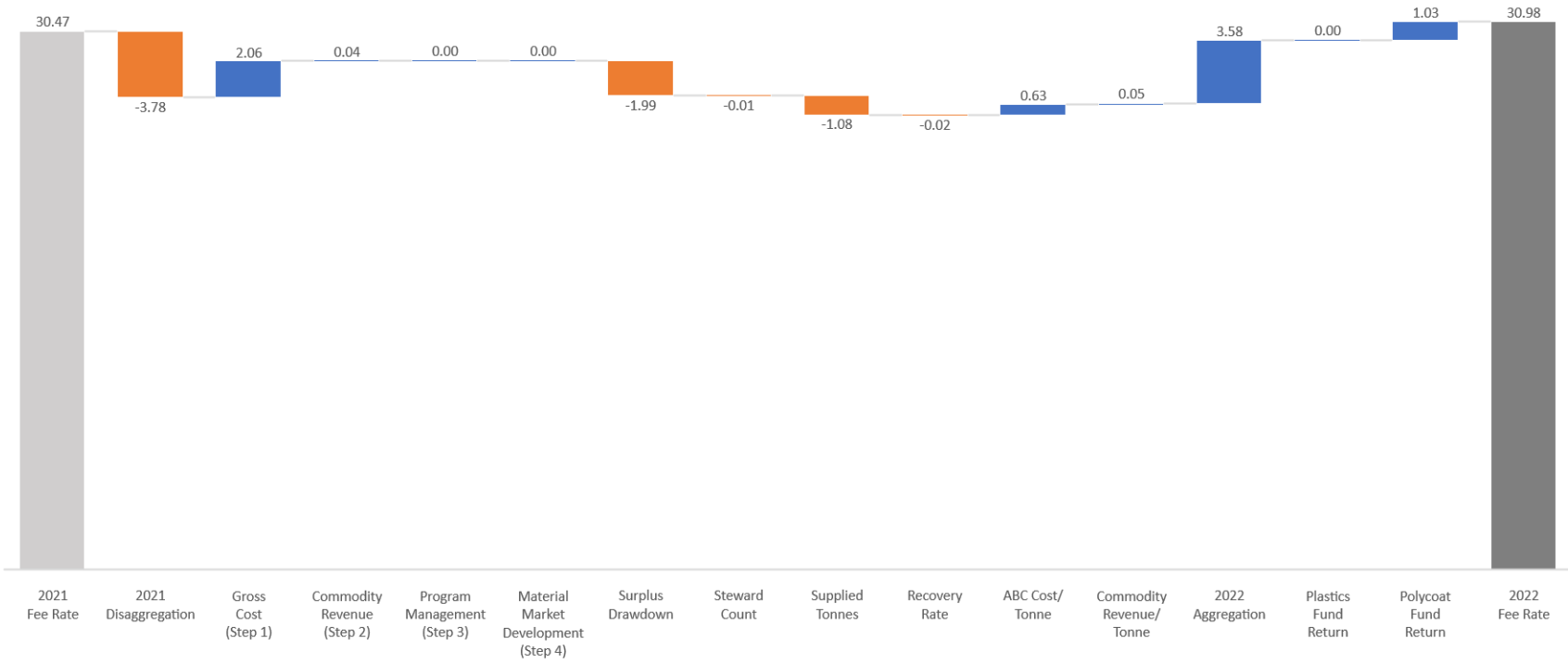
■ Increase ■ Decrease ■ Total
Cents/Kg



2021 Fee Rate 2021 Disaggregation Gross Cost (Step 1) Commodity Revenue (Step 2) Program Management (Step 3) Material Market Development (Step 4) Surplus Drawdown Steward Count Supplied Tonnes Recovery Rate ABC Cost/ Tonne Commodity Revenue/ Tonne 2022 Aggregation Plastics Fund Return Polycoat Fund Return 2022 Fee Rate

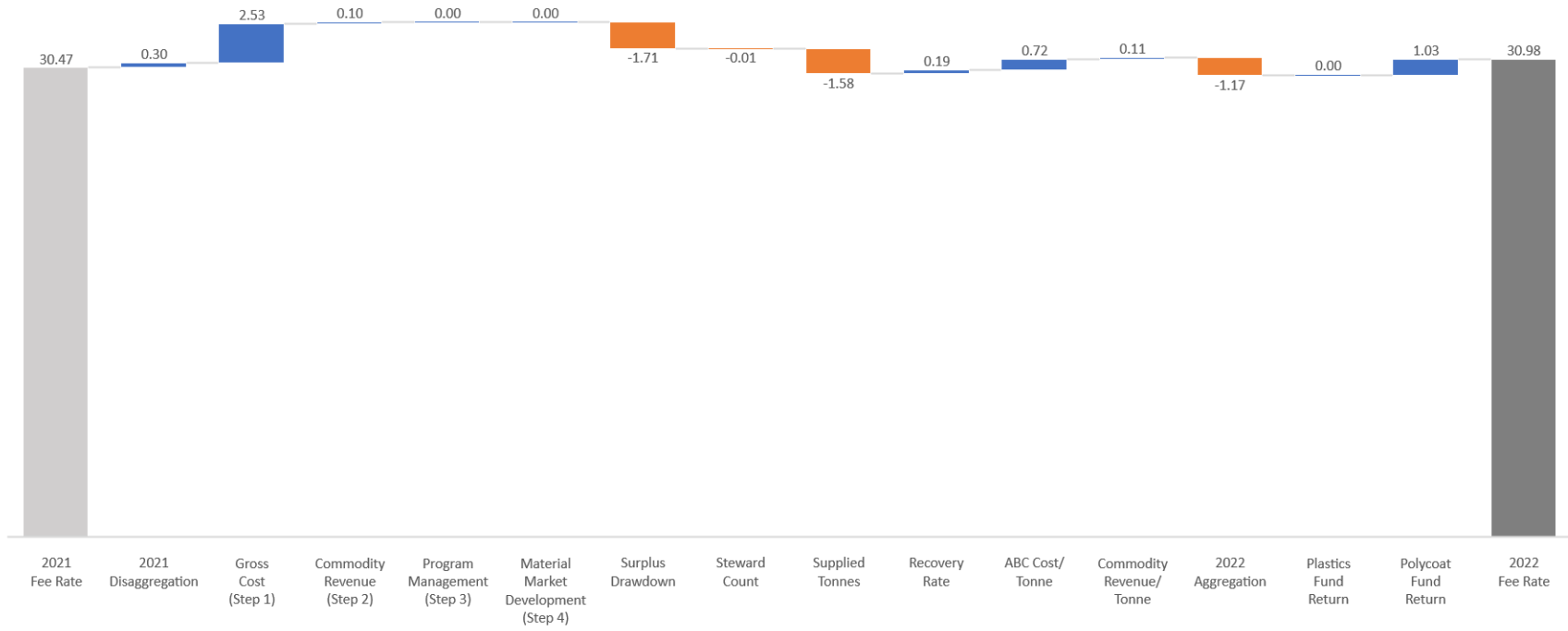
Paper Laminates

■ Increase
 ■ Decrease
 ■ Total
 Cents/Kg



Aseptic Containers

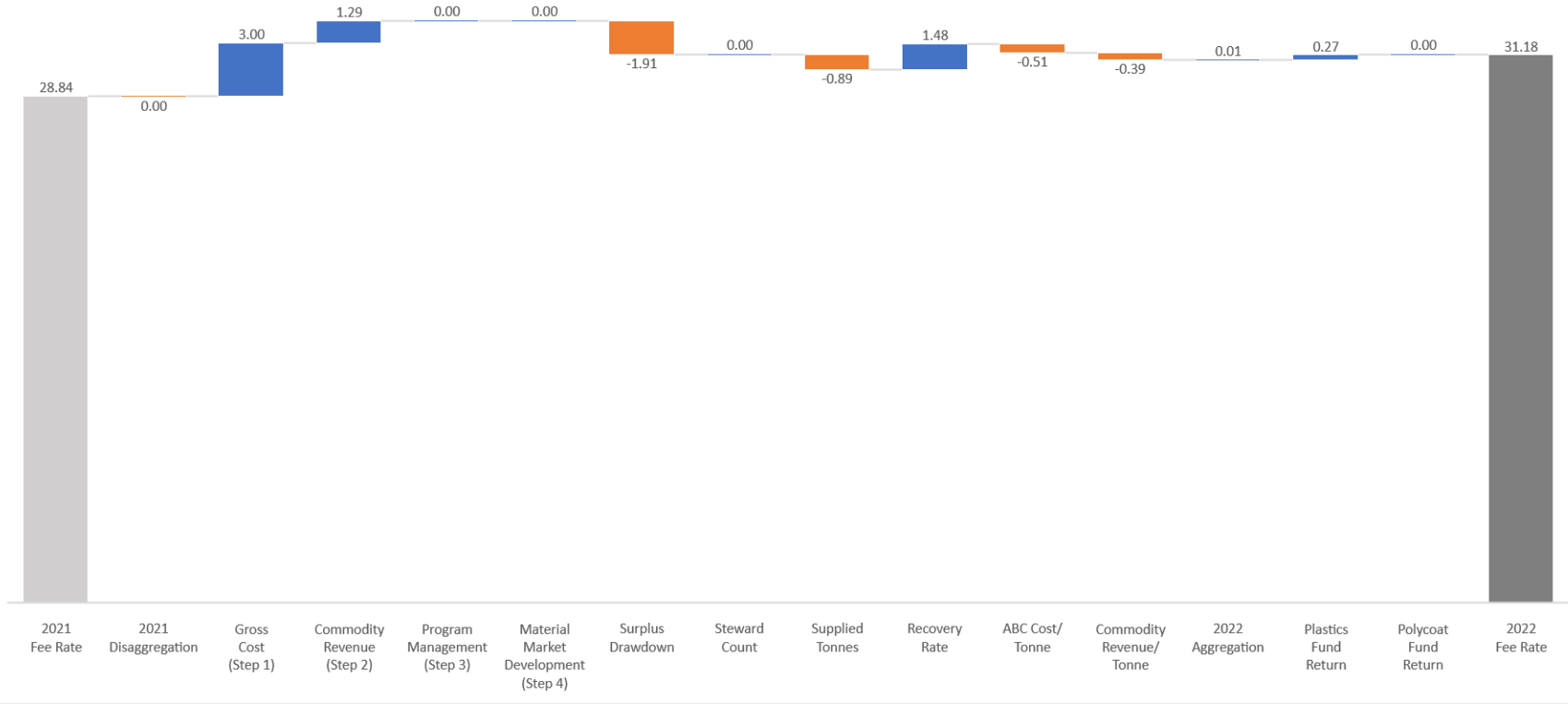
■ Increase
 ■ Decrease
 ■ Total
 Cents/Kg



PET Bottles

■ Increase ■ Decrease ■ Total

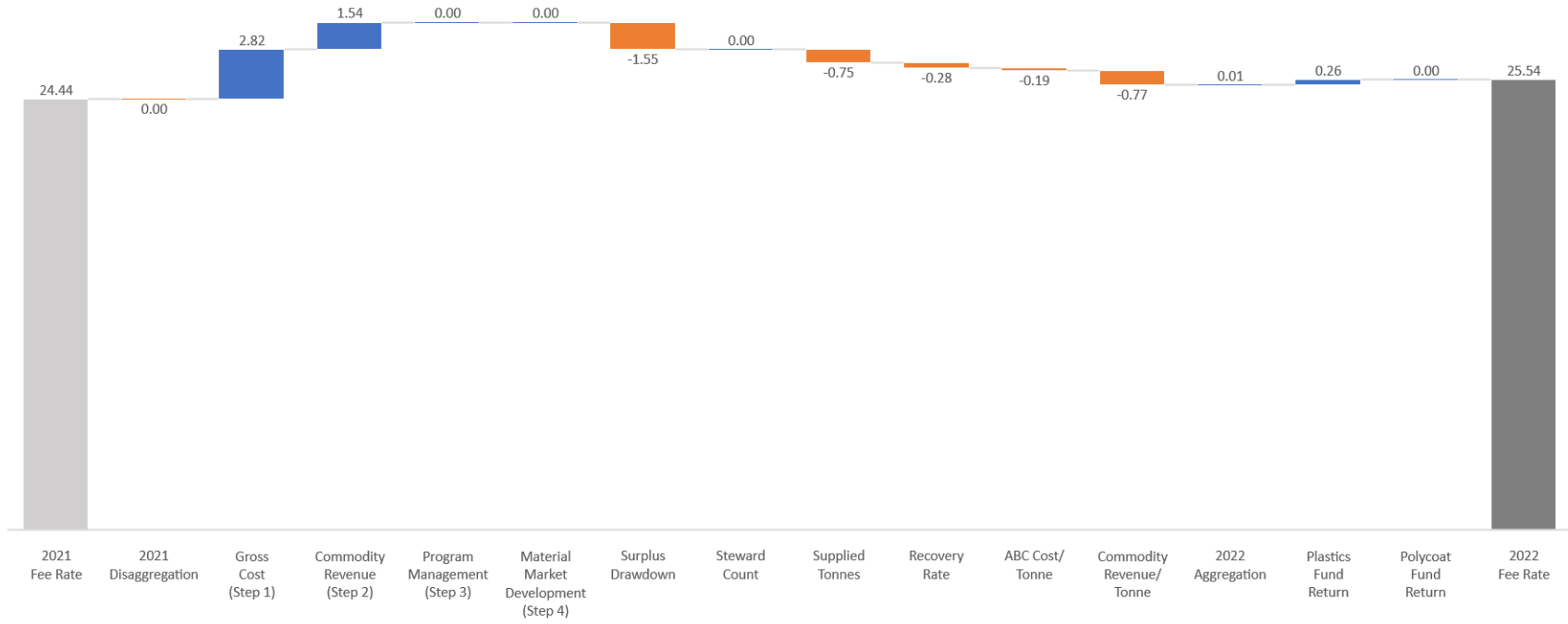
Cents/Kg



HDPE Bottles

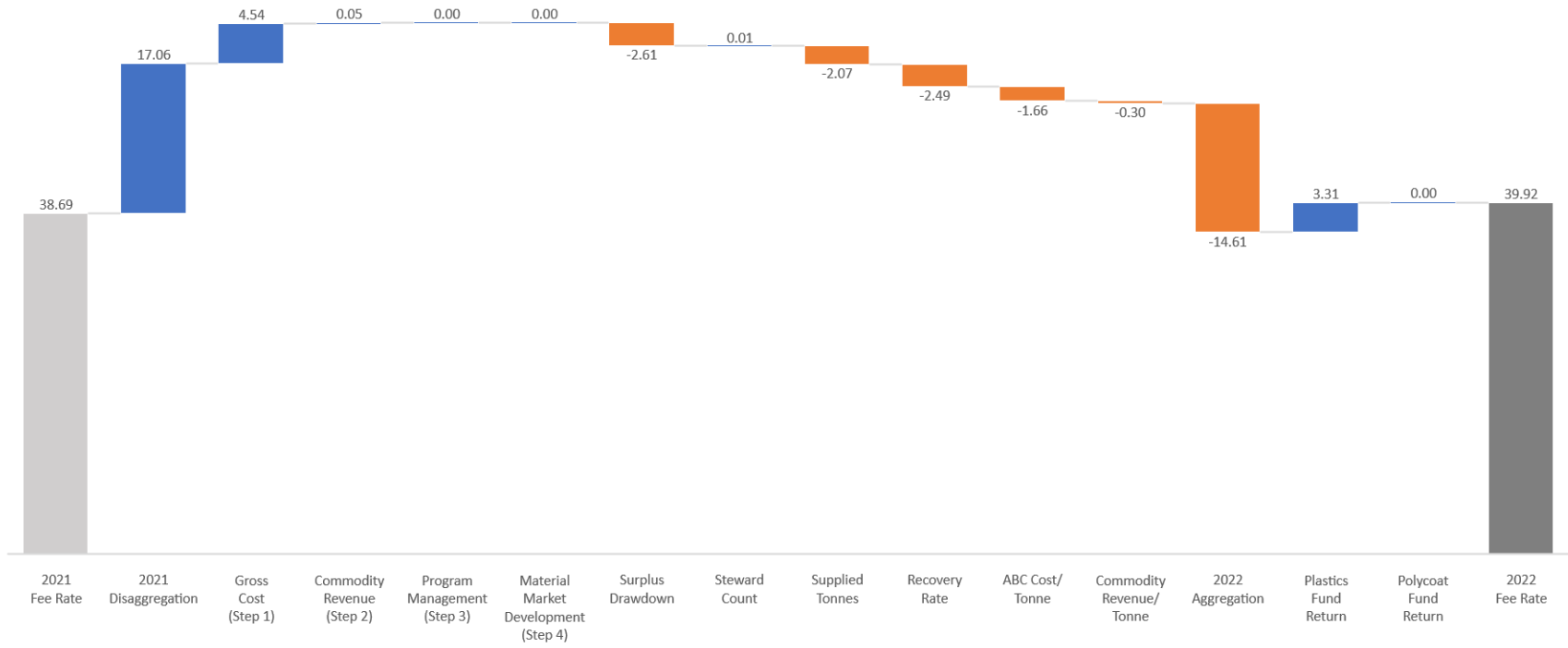
■ Increase ■ Decrease ■ Total

Cents/Kg



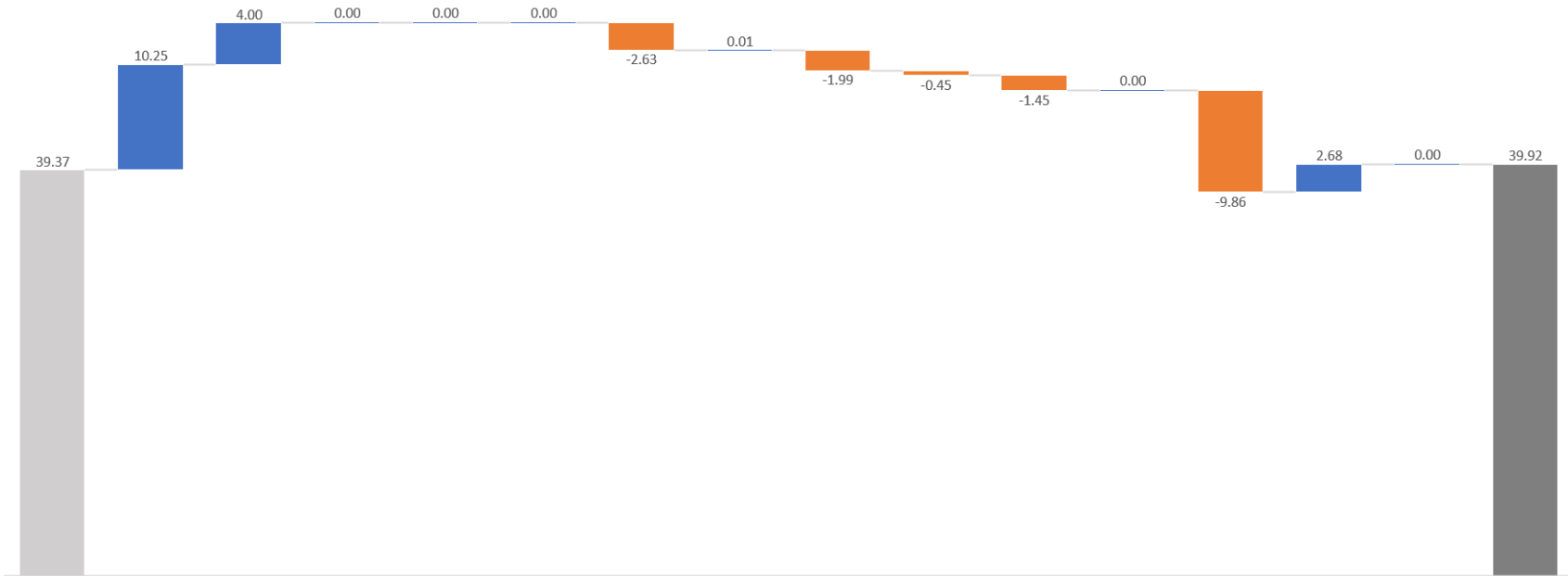
Plastic Film

■ Increase
 ■ Decrease
 ■ Total
 Cents/Kg



Plastic Laminates

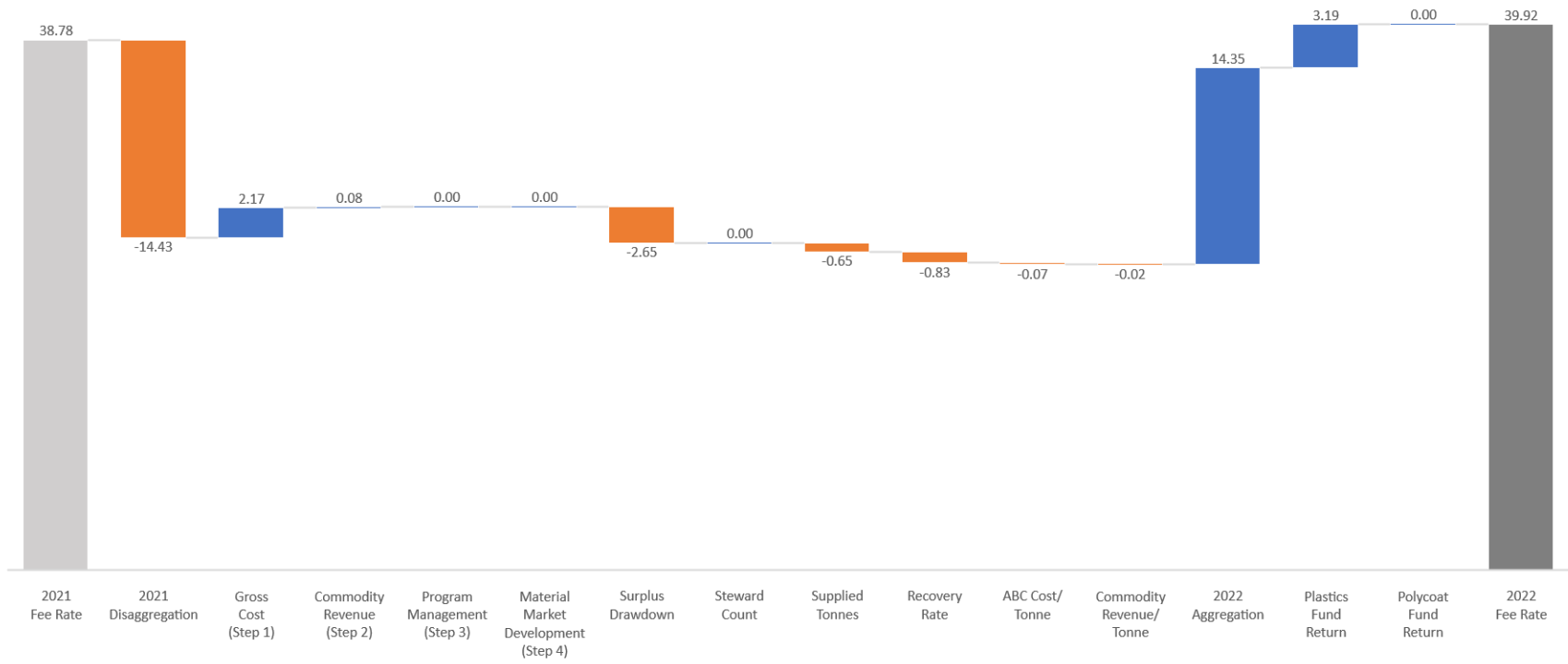
■ Increase ■ Decrease ■ Total
Cents/Kg



2021 Fee Rate 2021 Disaggregation Gross Cost (Step 1) Commodity Revenue (Step 2) Program Management (Step 3) Material Market Development (Step 4) Surplus Drawdown Steward Count Supplied Tonnes Recovery Rate ABC Cost/Tonne Commodity Revenue/Tonne 2022 Aggregation Plastics Fund Return Polycoat Fund Return 2022 Fee Rate

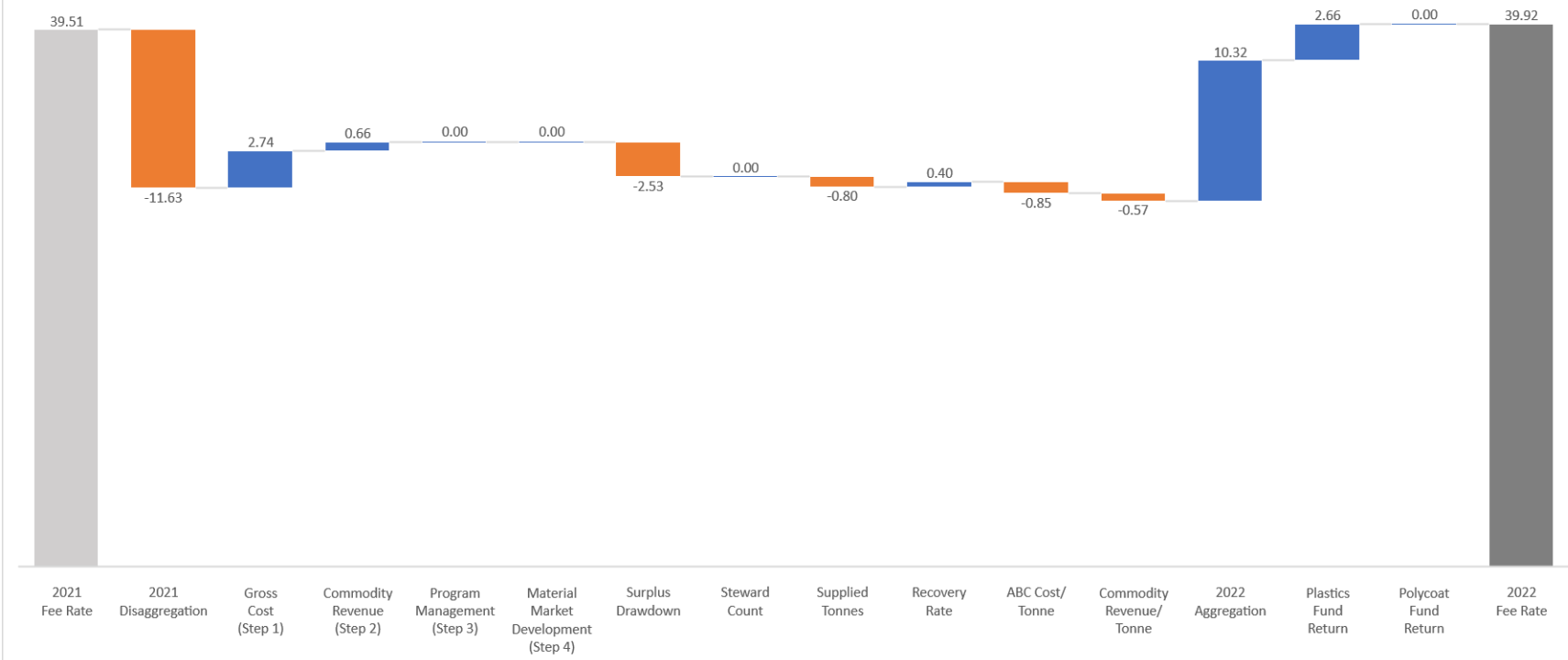
Polystyrene

■ Increase
 ■ Decrease
 ■ Total
 Cents/Kg



Other Plastics

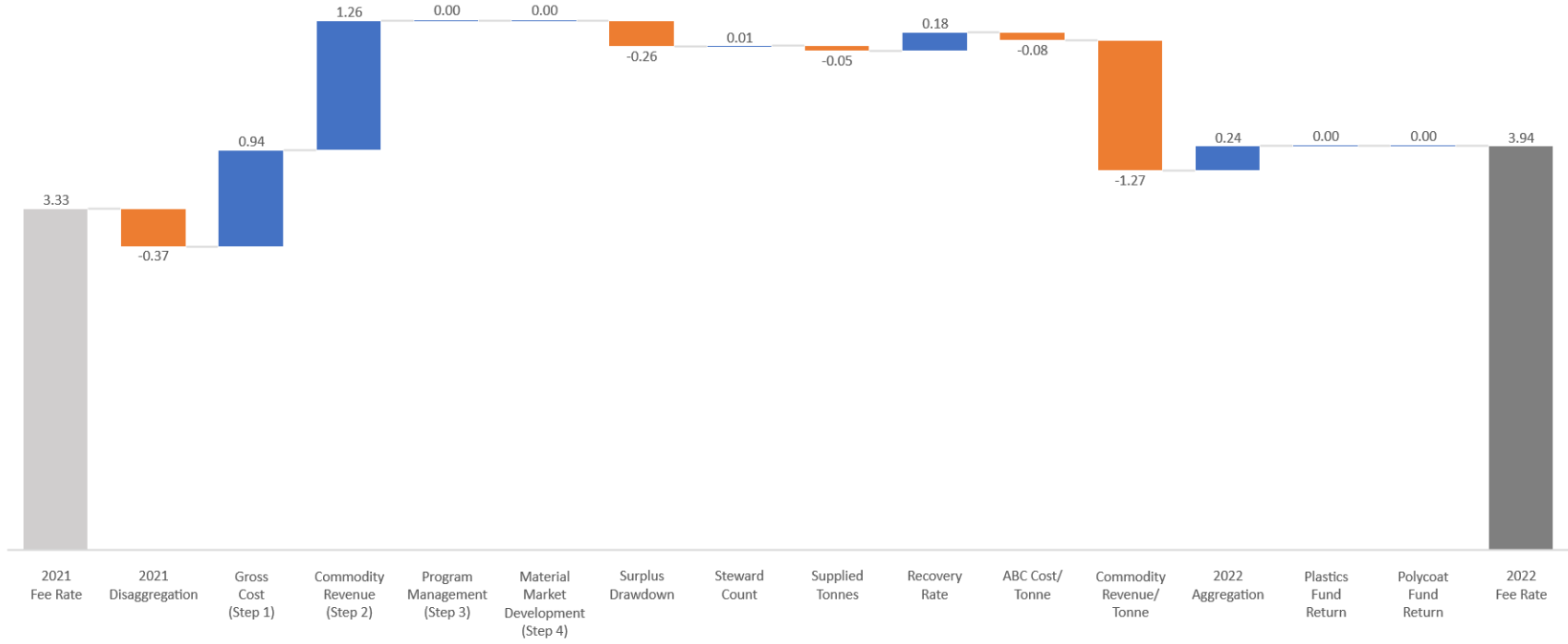
■ Increase
 ■ Decrease
 ■ Total
 Cents/Kg



Steel Food & Beverage Cans

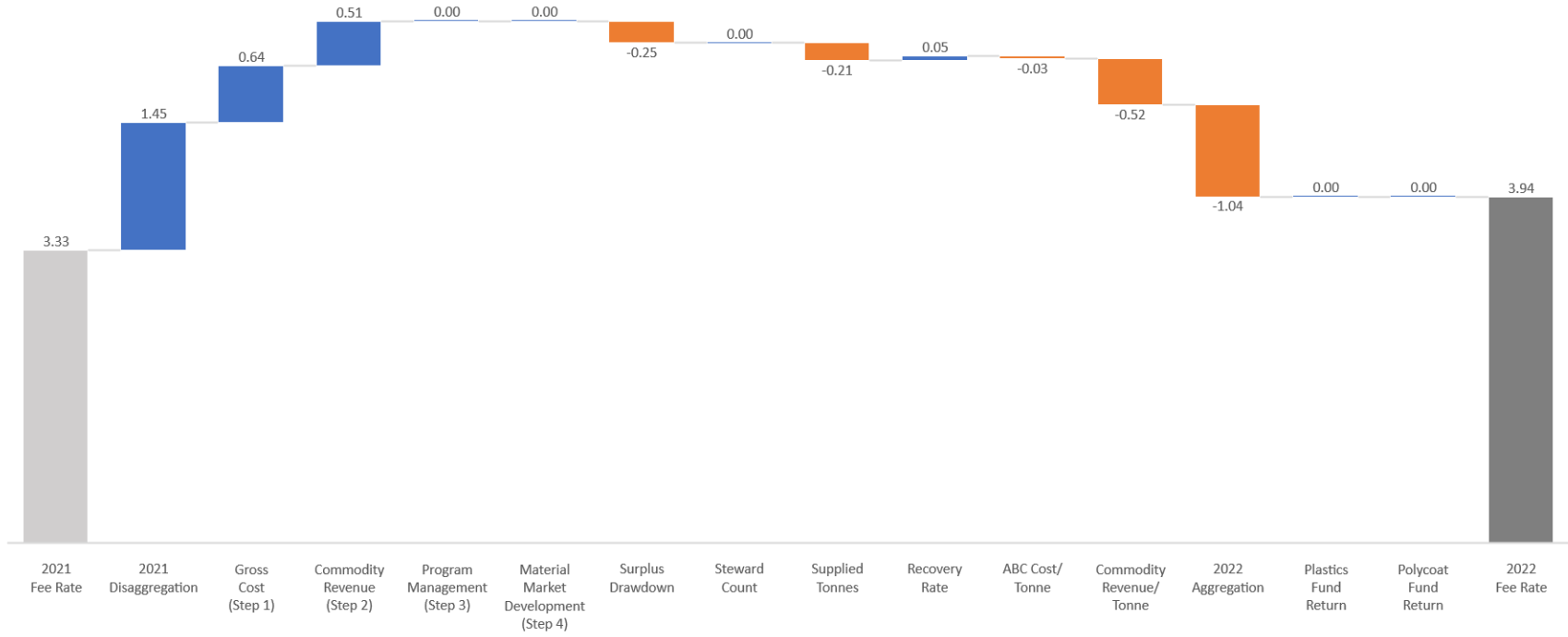
■ Increase ■ Decrease ■ Total

Cents/Kg



Steel Aerosols

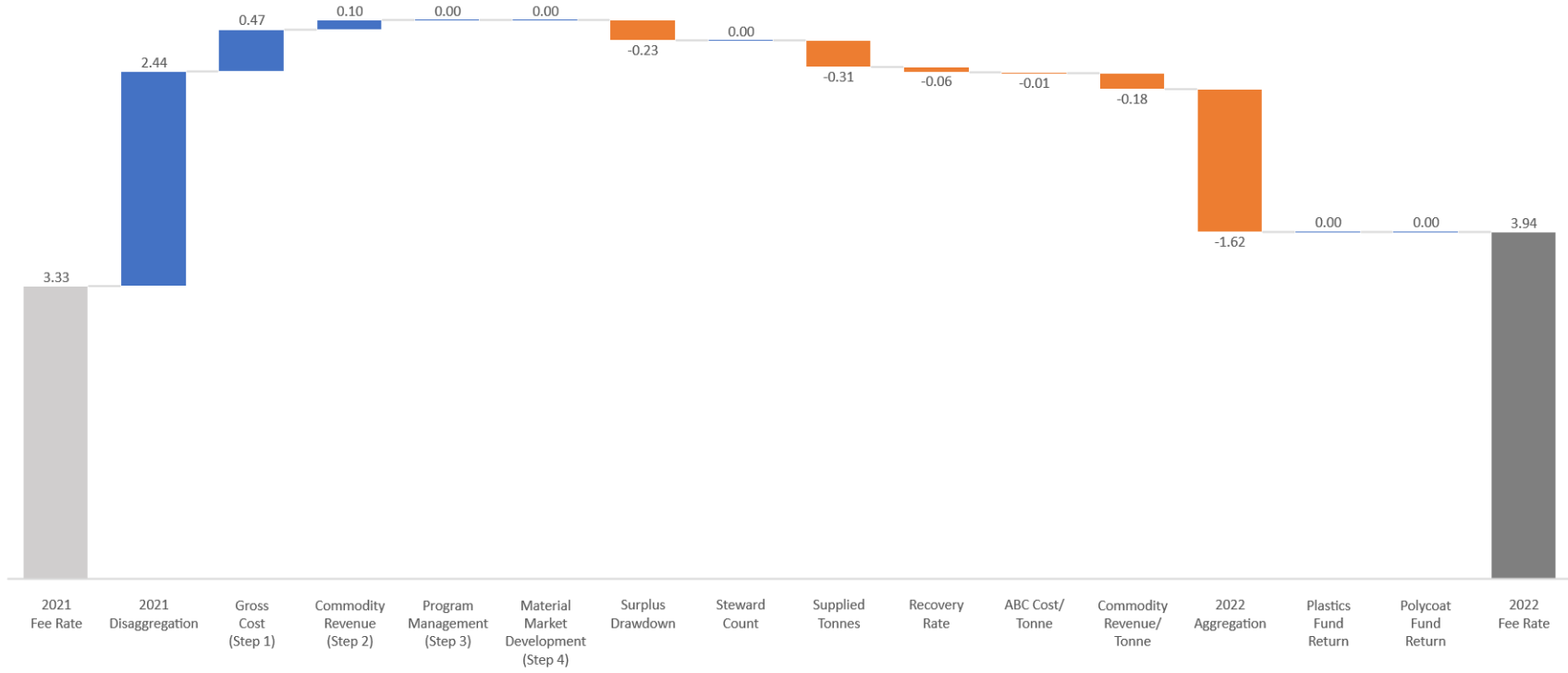
■ Increase
 ■ Decrease
 ■ Total
 Cents/Kg



Steel Paint Cans

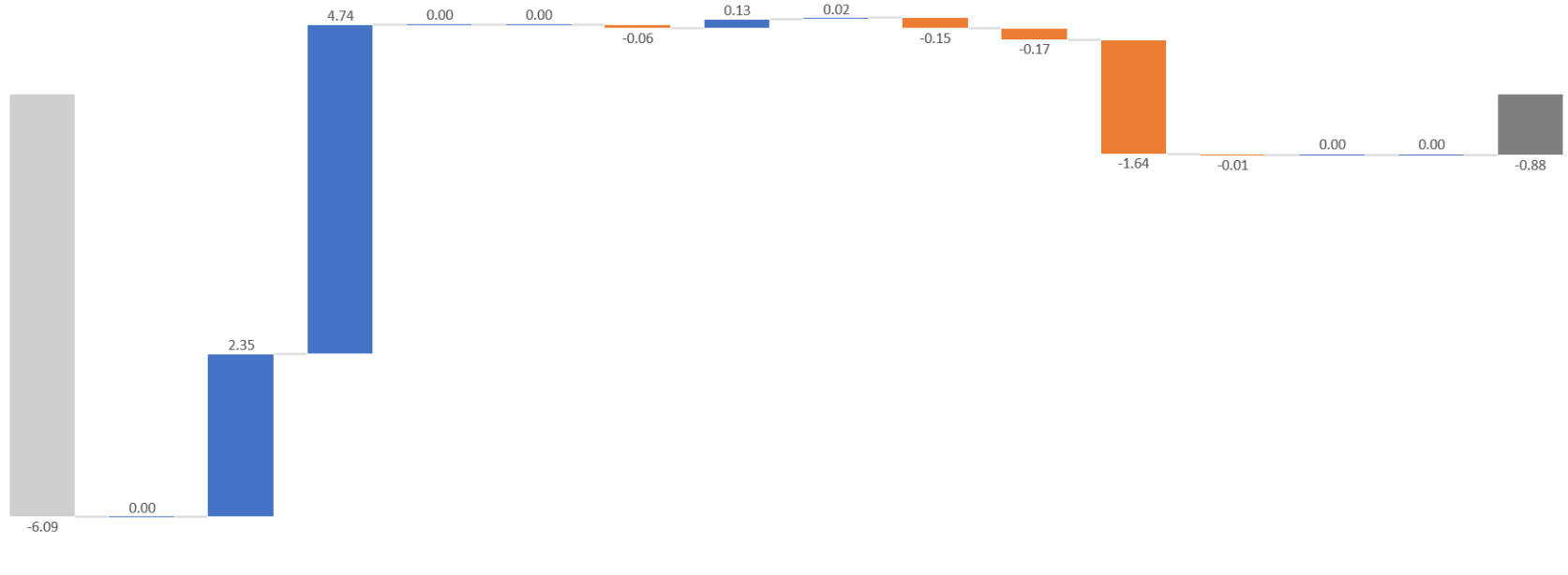
■ Increase ■ Decrease ■ Total

Cents/Kg



Aluminum Food & Beverage Cans

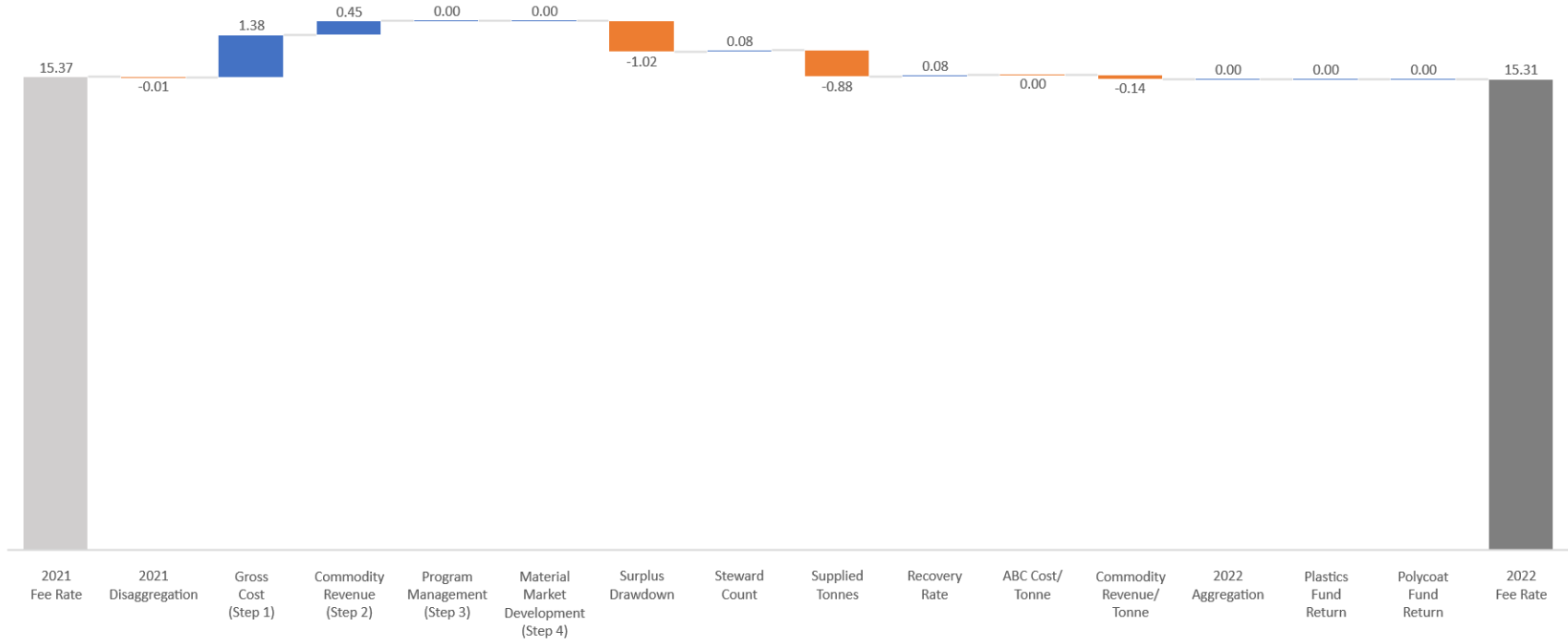
■ Increase ■ Decrease ■ Total
Cents/Kg



2021 Fee Rate	2021 Disaggregation	Gross Cost (Step 1)	Commodity Revenue (Step 2)	Program Management (Step 3)	Material Market Development (Step 4)	Surplus Drawdown	Steward Count	Supplied Tonnes	Recovery Rate	ABC Cost/Tonne	Commodity Revenue/Tonne	2022 Aggregation	Plastics Fund Return	Polycoat Fund Return	2022 Fee Rate
-6.09	0.00	2.35	4.74	0.00	0.00	-0.06	0.13	0.02	-0.15	-0.17	-1.64	-0.01	0.00	0.00	-0.88

Other Aluminum Packaging

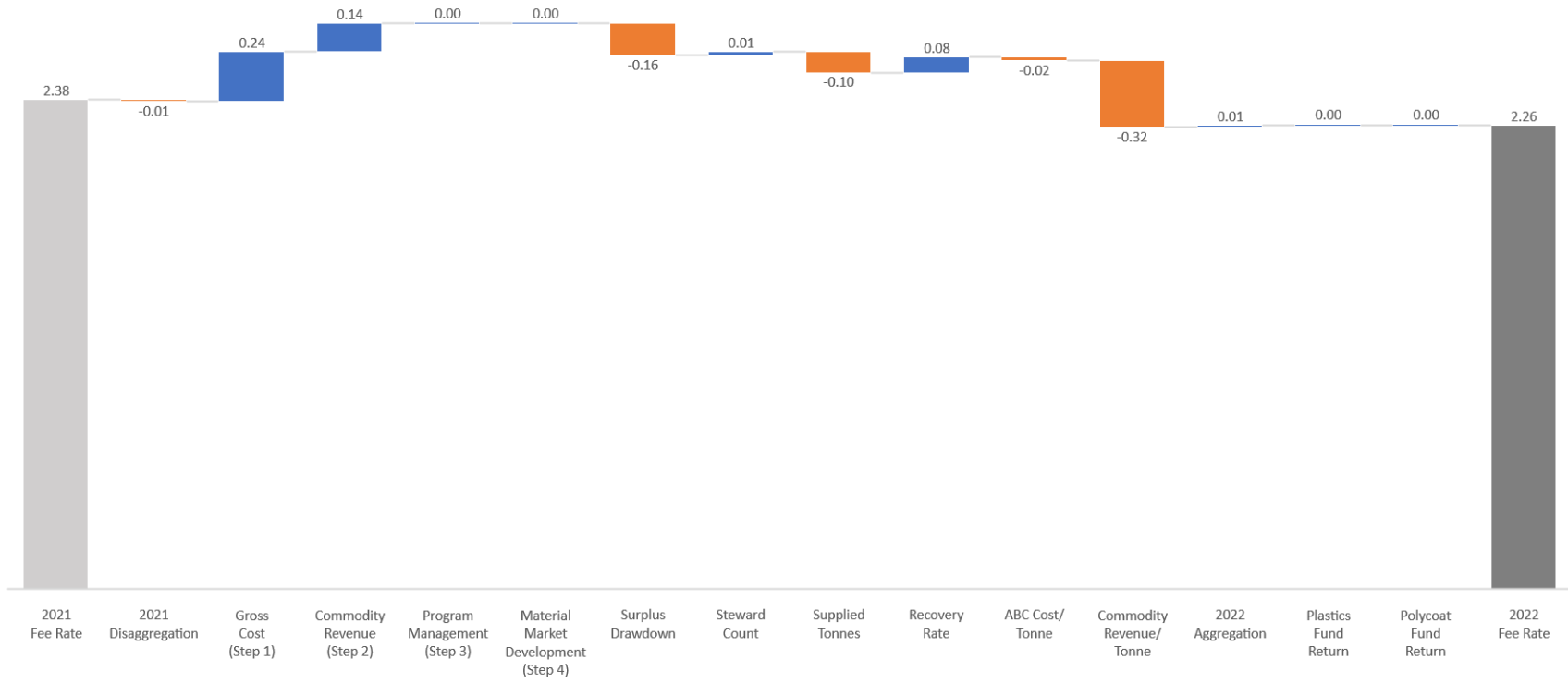
■ Increase
 ■ Decrease
 ■ Total
 Cents/Kg



Clear Glass

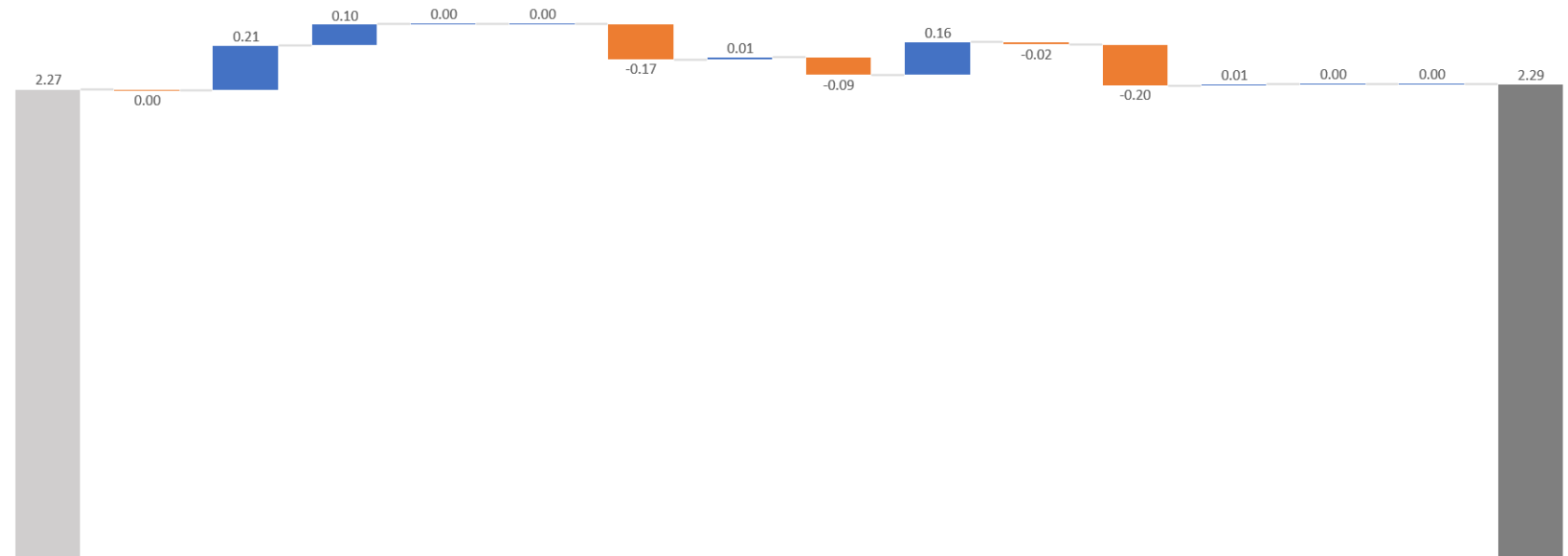
■ Increase ■ Decrease ■ Total

Cents/Kg



Coloured Glass

■ Increase ■ Decrease ■ Total
Cents/Kg



2021 Fee Rate 2021 Disaggregation Gross Cost (Step 1) Commodity Revenue (Step 2) Program Management (Step 3) Material Market Development (Step 4) Surplus Drawdown Steward Count Supplied Tonnes Recovery Rate ABC Cost/Tonne Commodity Revenue/Tonne 2022 Aggregation Plastics Fund Return Polycoat Fund Return 2022 Fee Rate