



## 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.

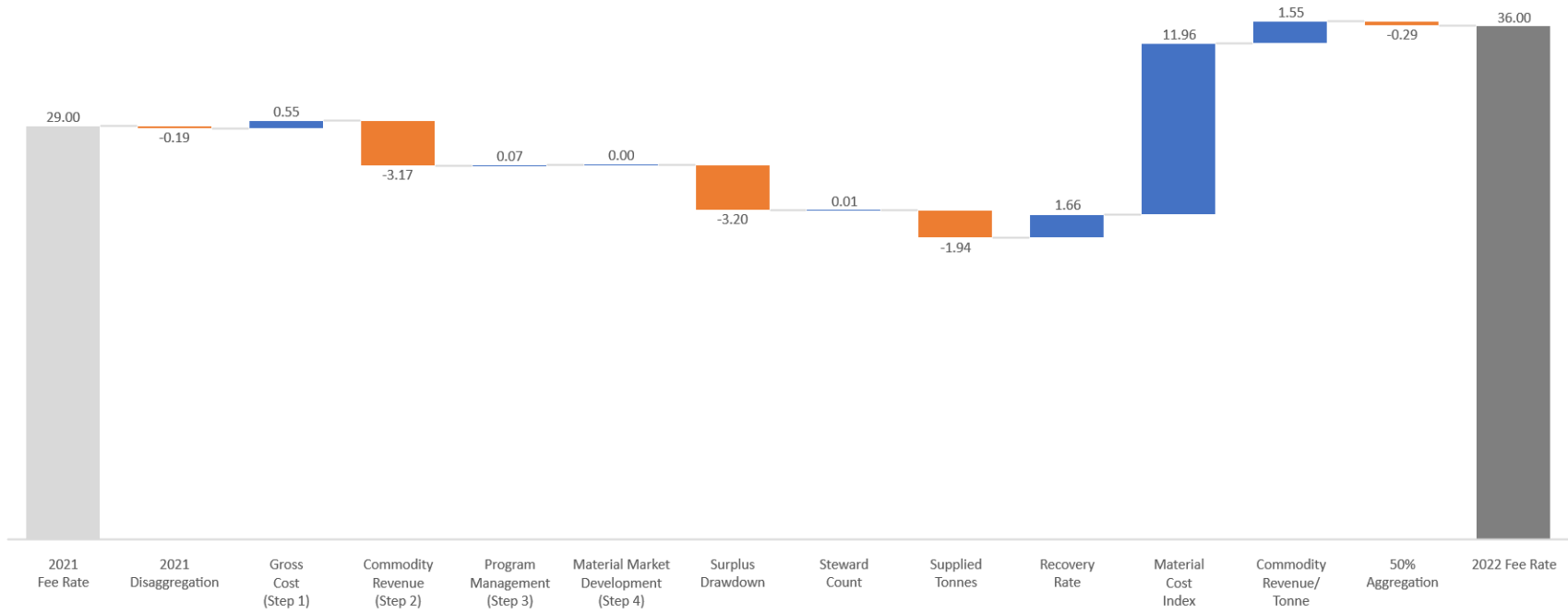
Descriptions of the factors for the program are detailed in the glossary table on the next page. Graphs are presented in the same order as the material categories in the fee schedule presented in the Report to Stewards.

## Glossary

Factor	Description
<b>2021 Fee Rate</b>	Chart begins with the published fee rate for the current year.
<b>2021 Disaggregation</b>	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). <b>All subsequent impacts are illustrated on the disaggregated fee rate.</b>
<b>Gross Cost (Step 1)</b>	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.
<b>Commodity Revenue (Step 2)</b>	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.
<b>Program Management (Step 3)</b>	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.
<b>Material Market Development (Step 4)</b>	Investments needed to improve the materials' recovery performance. (not utilized in 2022)
<b>Surplus Drawdown</b>	Reduction in the fee rate caused by utilization of reserves to finance a portion of the program budget.
<b>Steward Count</b>	Relative share of program management costs for this material based on the change to the count of stewards supplying material in this category.
<b>Supplied Tonnes</b>	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.
<b>Recovery Rate</b>	The impact on fees caused by an increase or decrease in material's relative share of managed/collected quantities.
<b>Material Cost Index</b>	Implementation of final phase of the Material Cost Index (MCI) value for calculating each material's relative share of supply and collected/managed quantities.
<b>Commodity Revenue/Tonne</b>	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.
<b>50% Aggregation</b>	Full disaggregation is being phased in over two years. This factor implements the first phase of this approach and its resulting impact to fee rates.
<b>2022 Fee Rate</b>	This is the final fee rate for the upcoming year considering all causes of change.

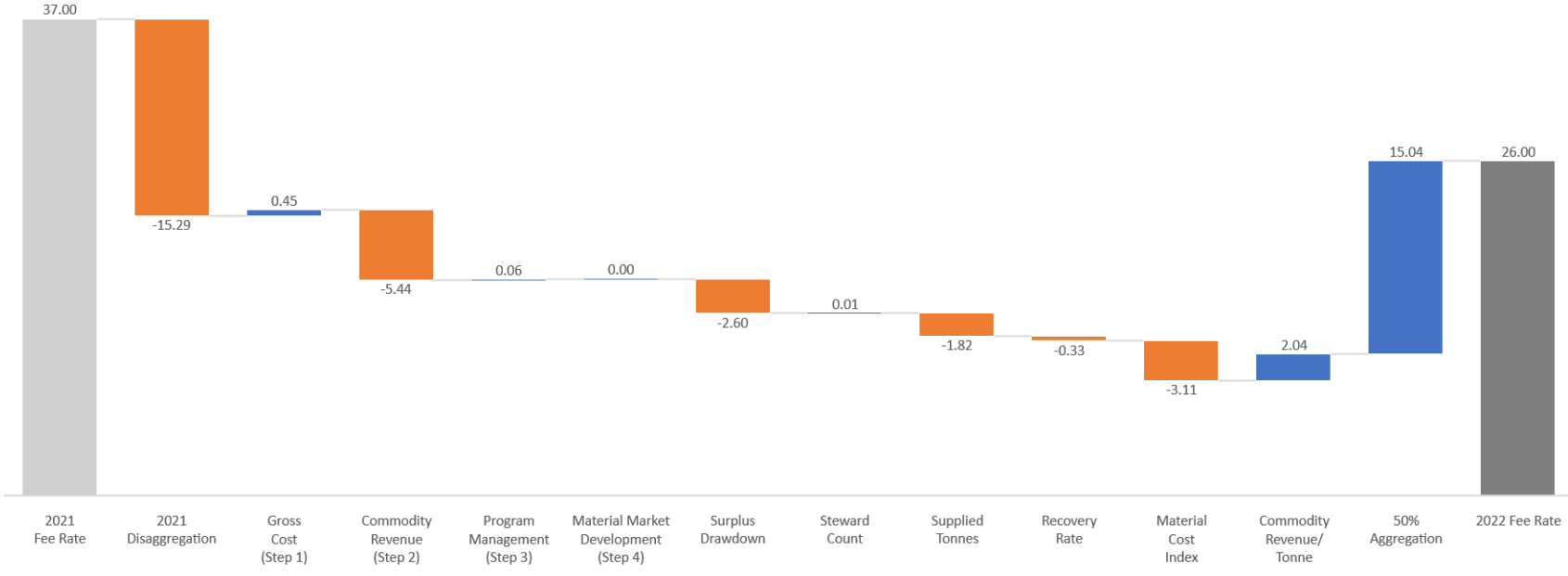
# Newsprint

■ Increase ■ Decrease ■ Total  
Cents/Kg



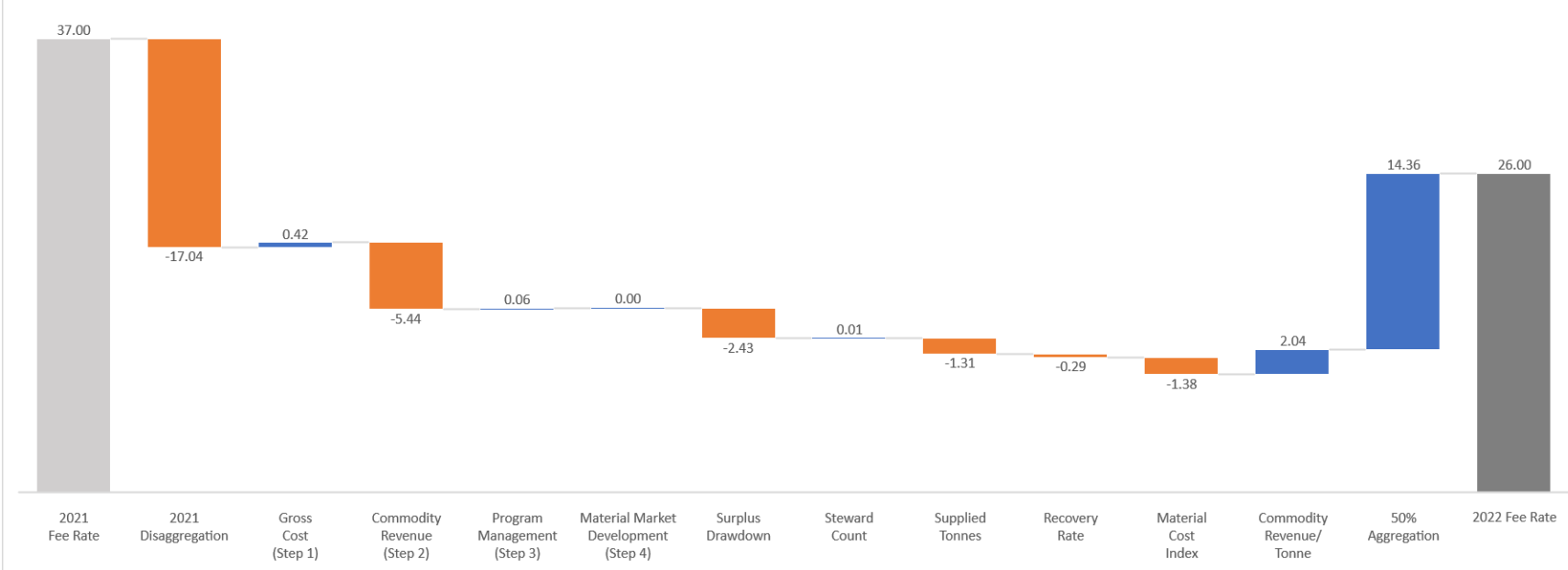
# Magazines and Catalogues

■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



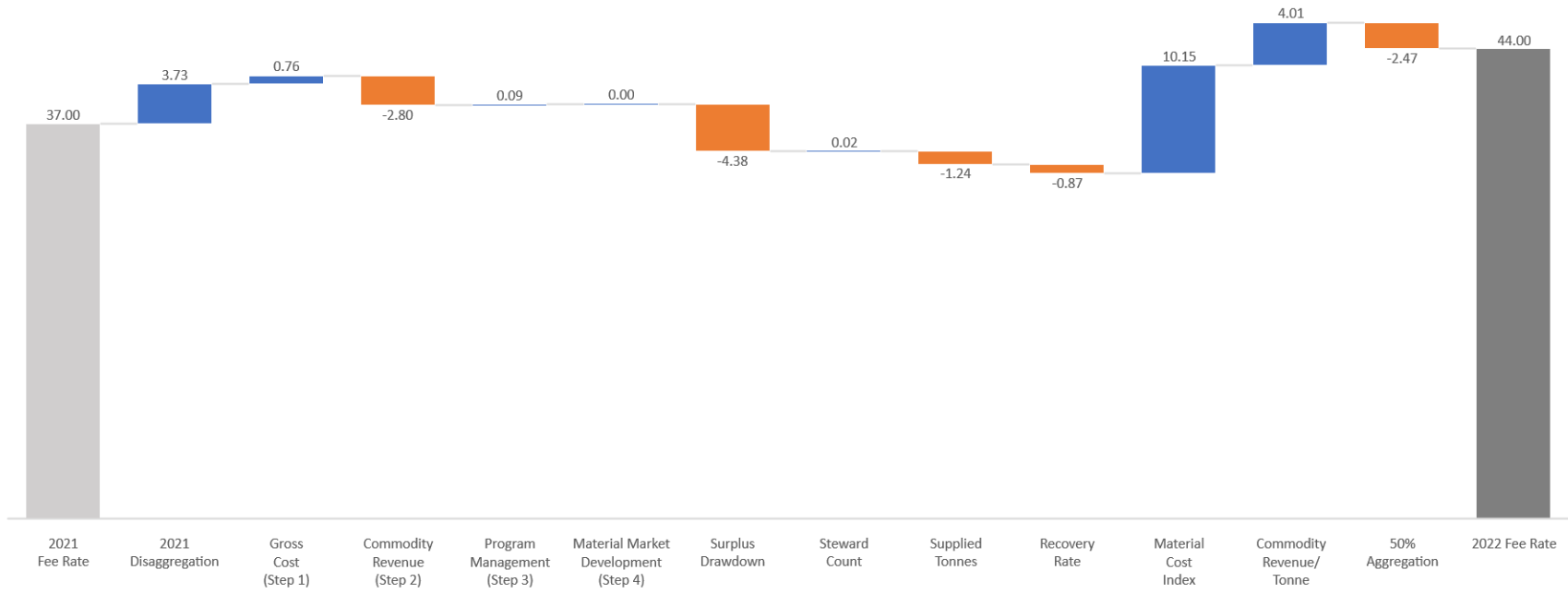
# Telephone Books

■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



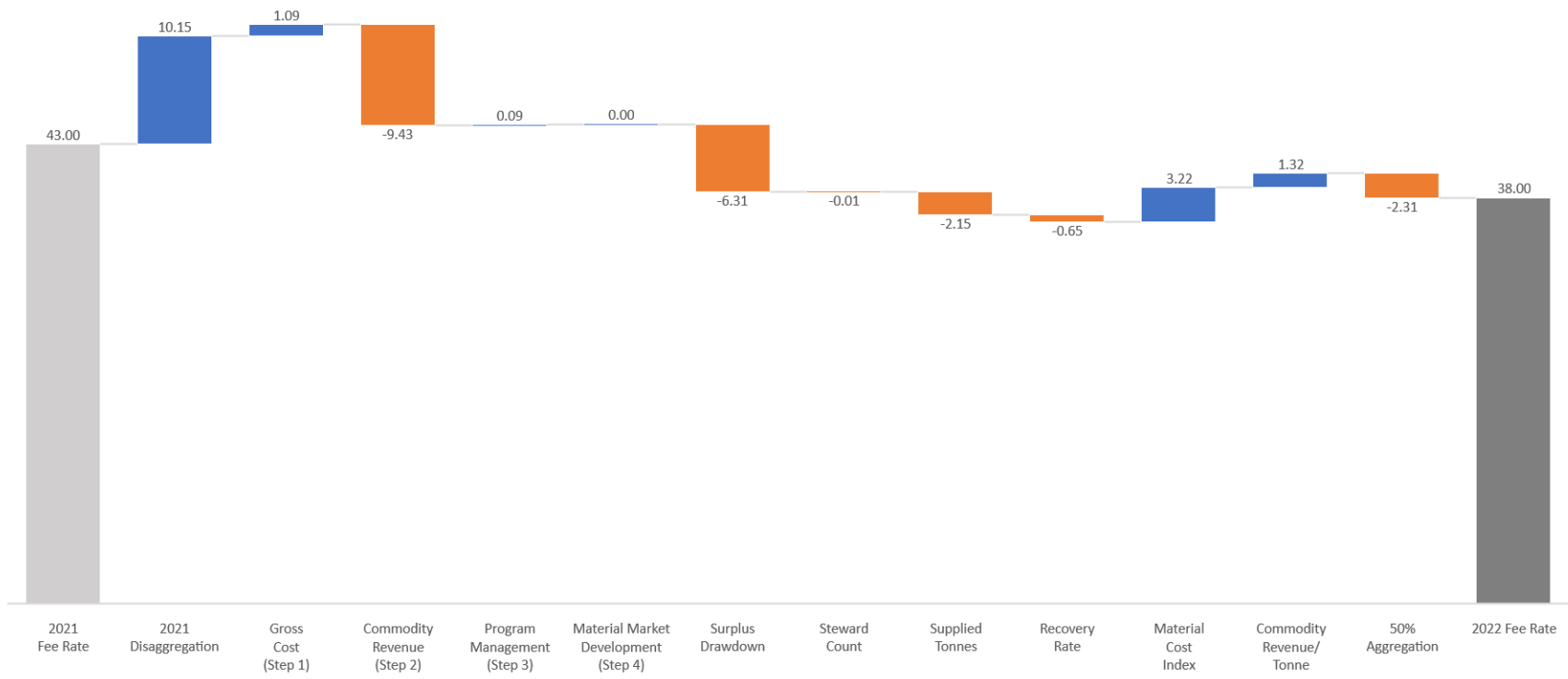
# Other Printed Paper

■ Increase ■ Decrease ■ Total  
Cents/Kg



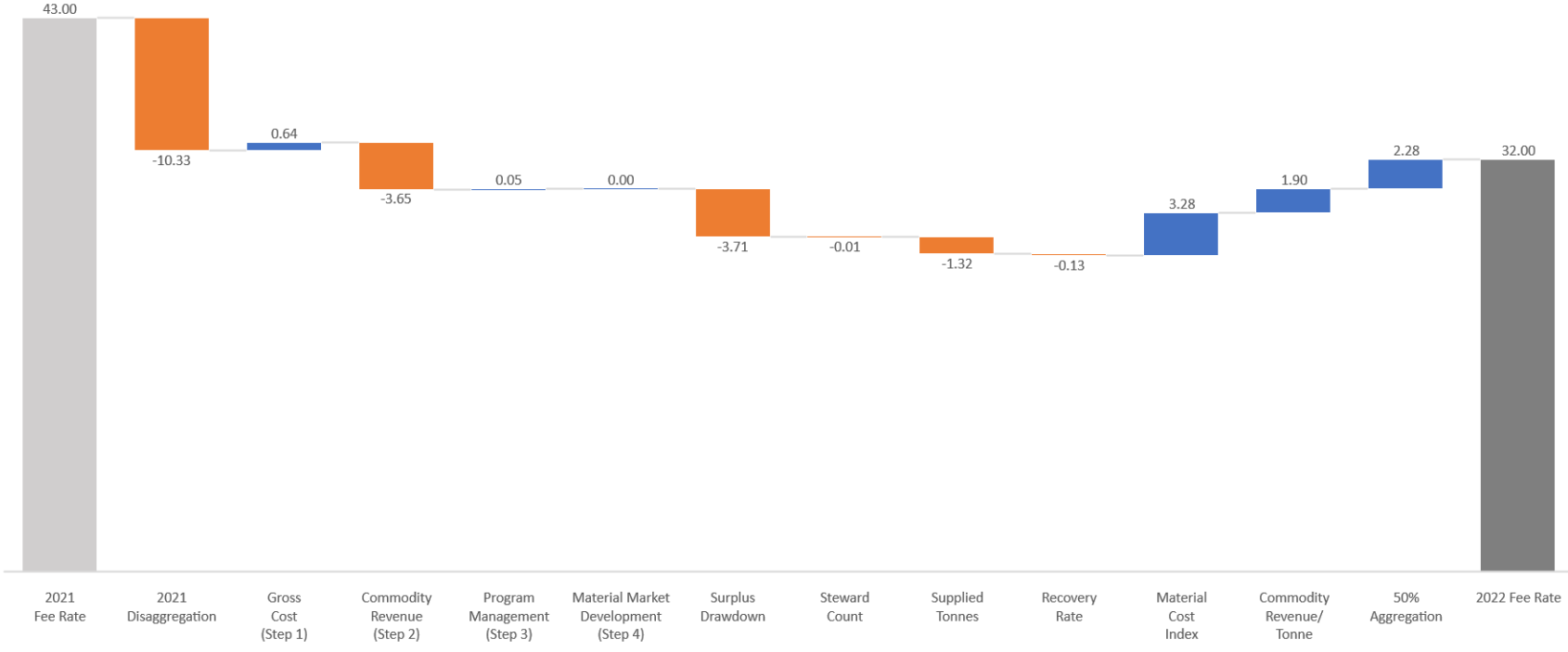
# Corrugated Cardboard

■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



# Boxboard

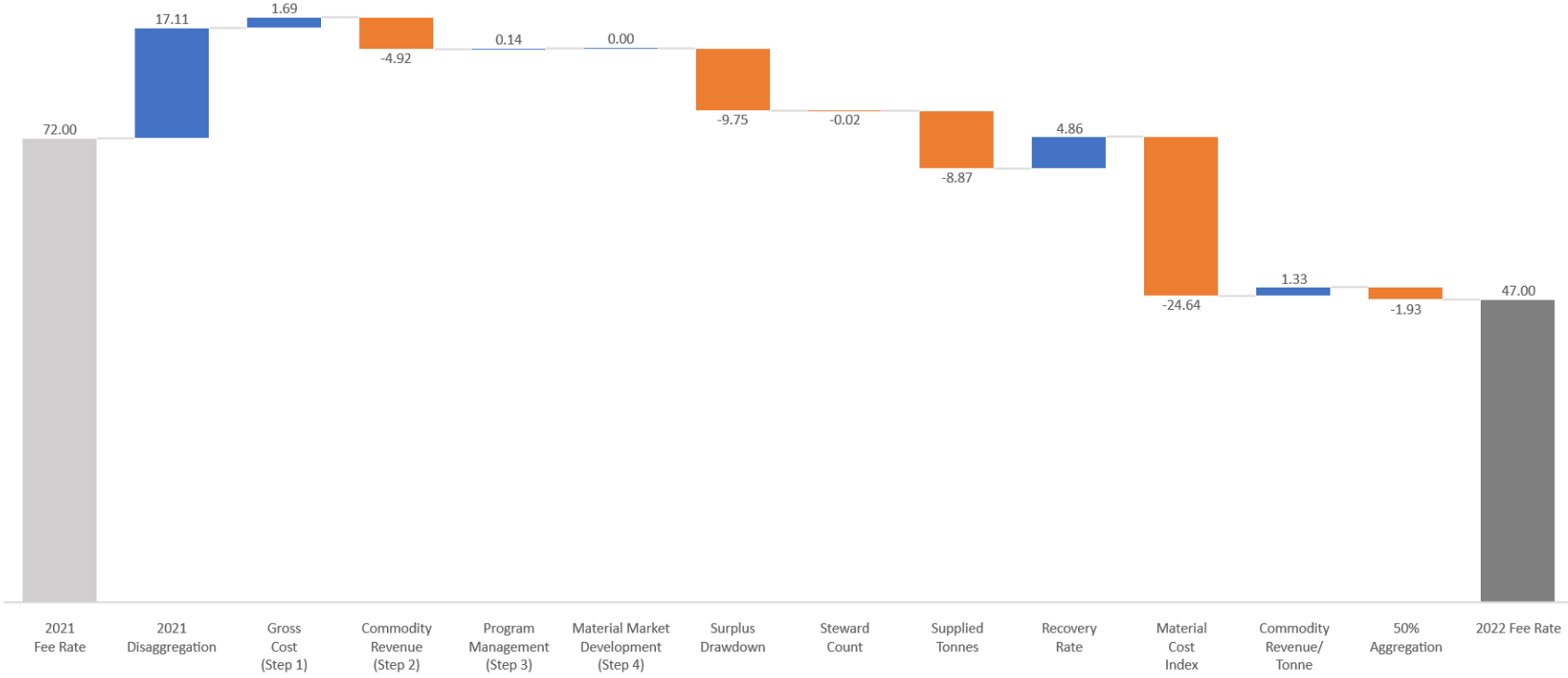
■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg





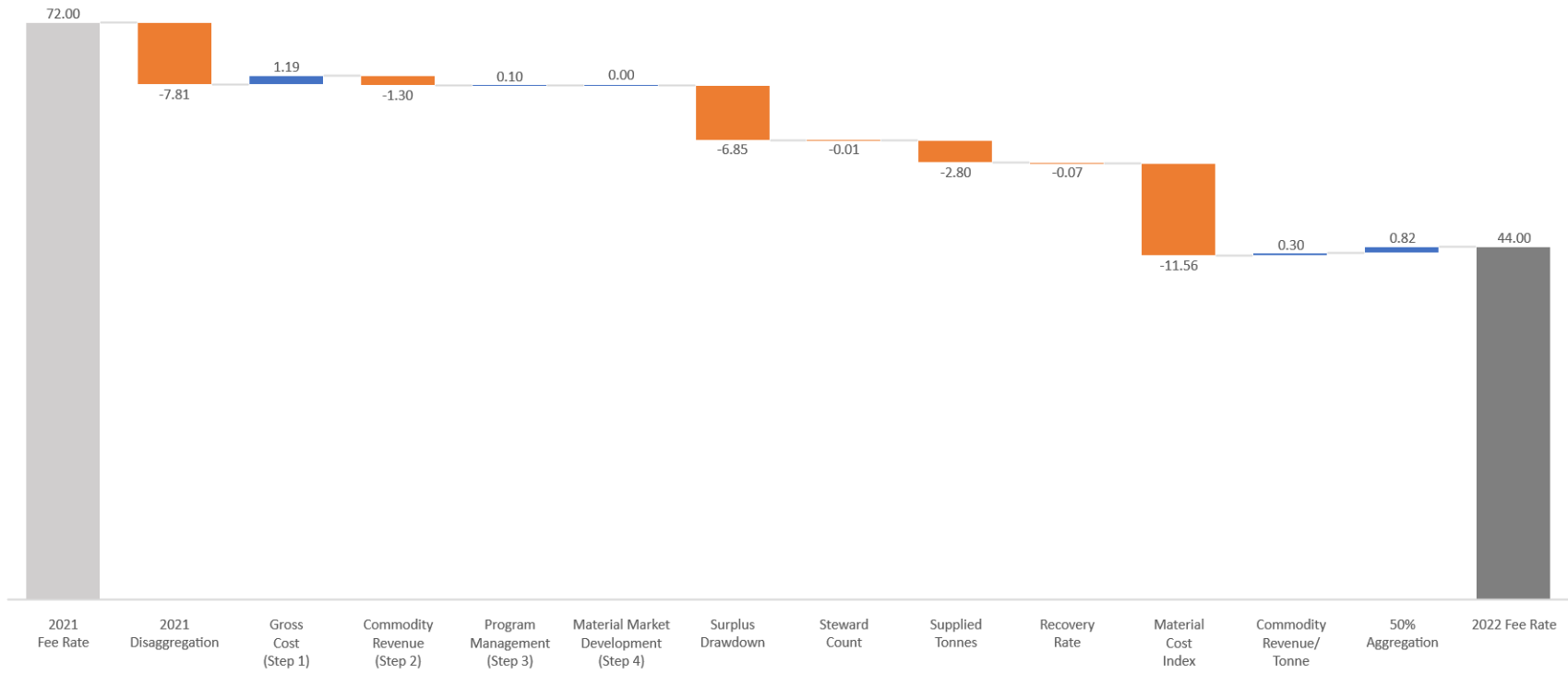
# Gable Top Cartons

■ Increase ■ Decrease ■ Total  
Cents/Kg



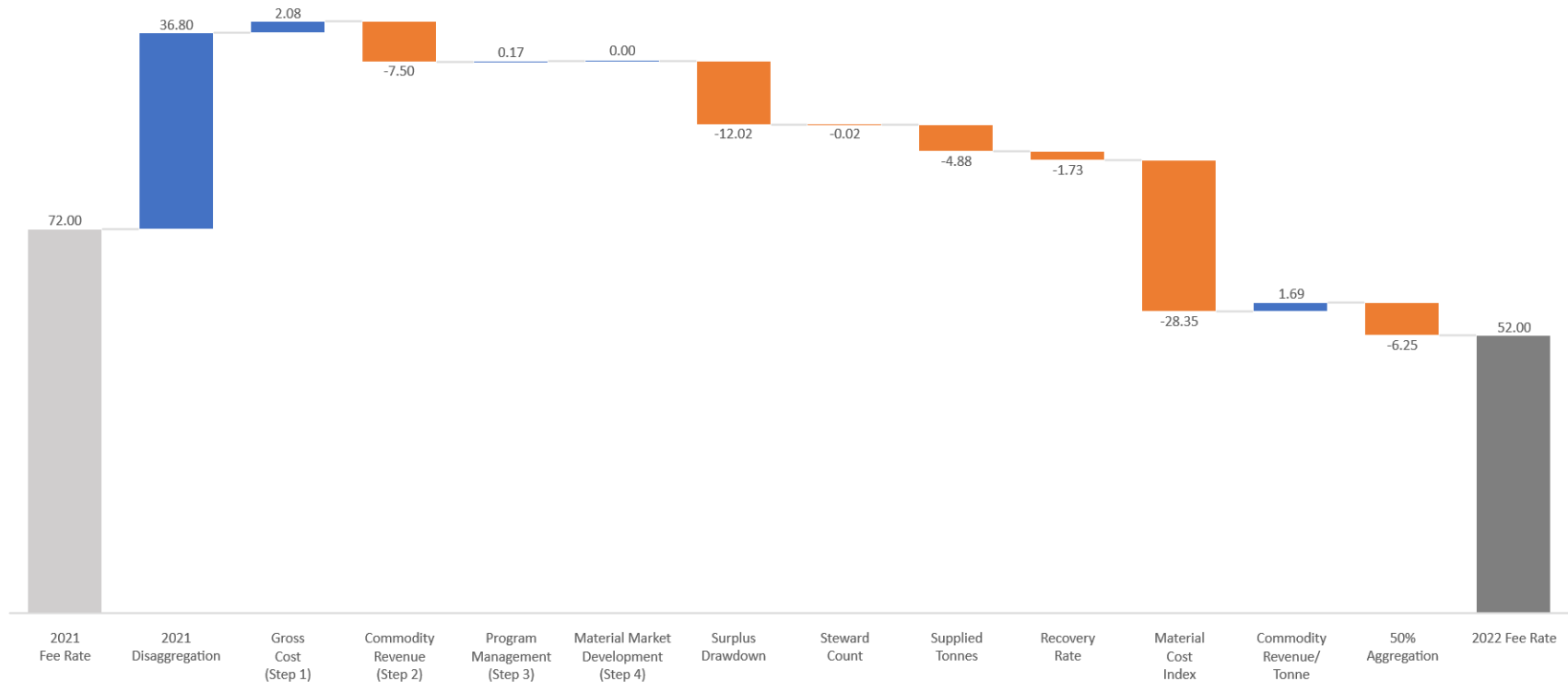
# Paper Laminates

■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



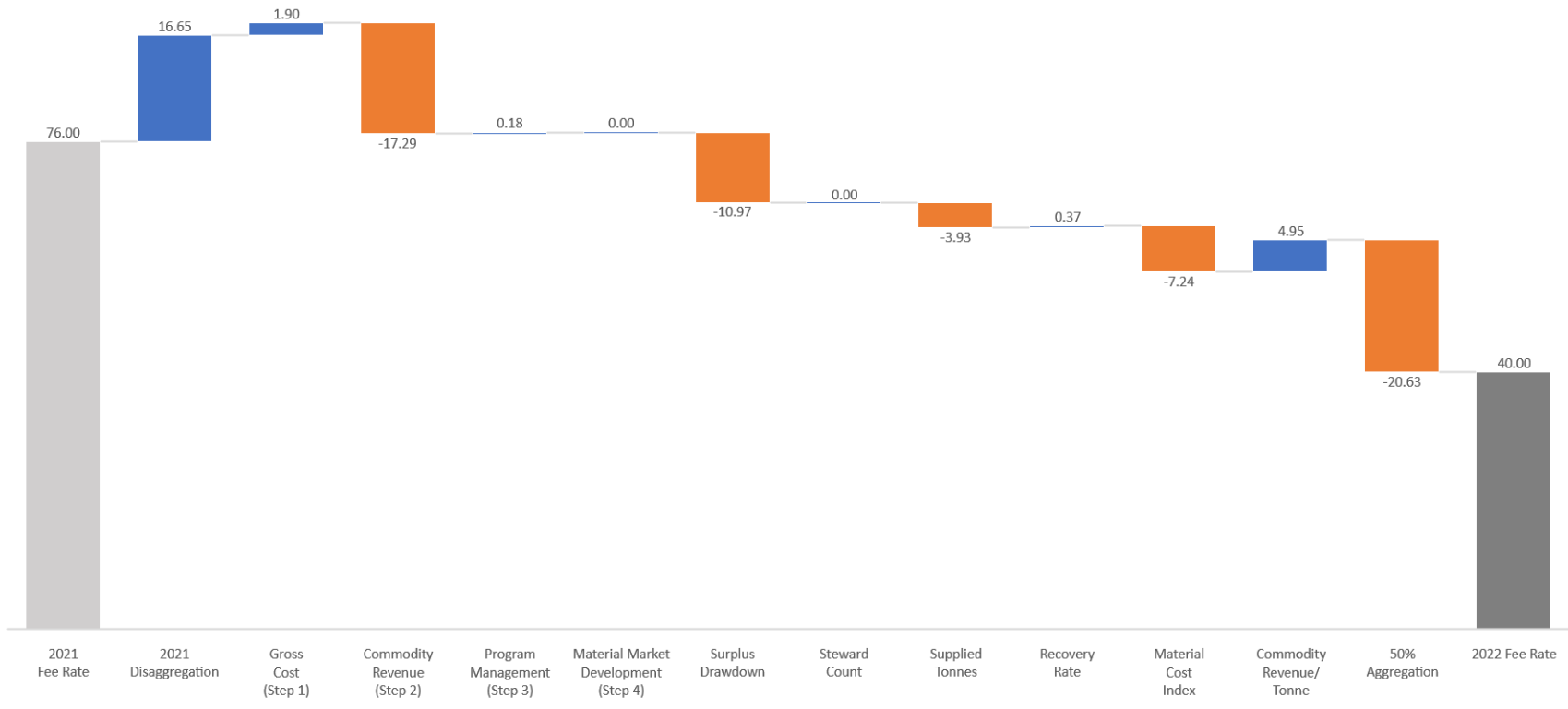
# Aseptic Containers

■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



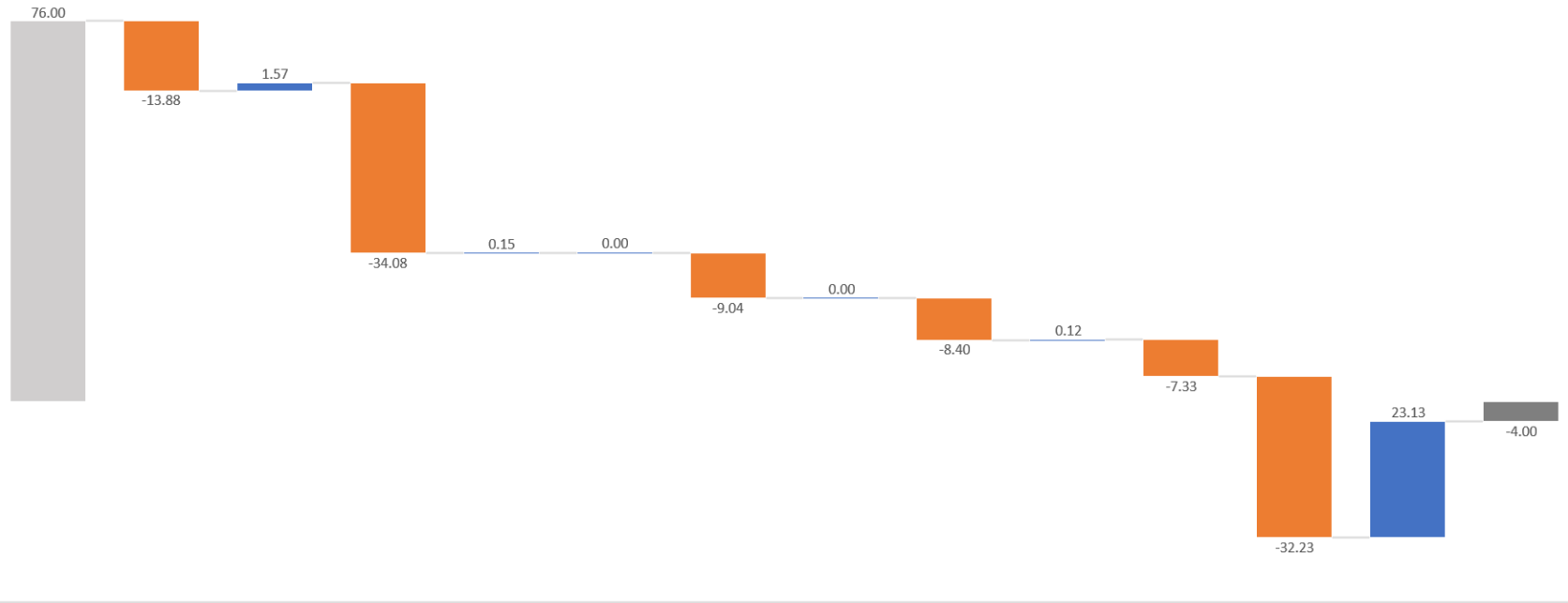
# PET Bottles

■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



# HDPE Bottles

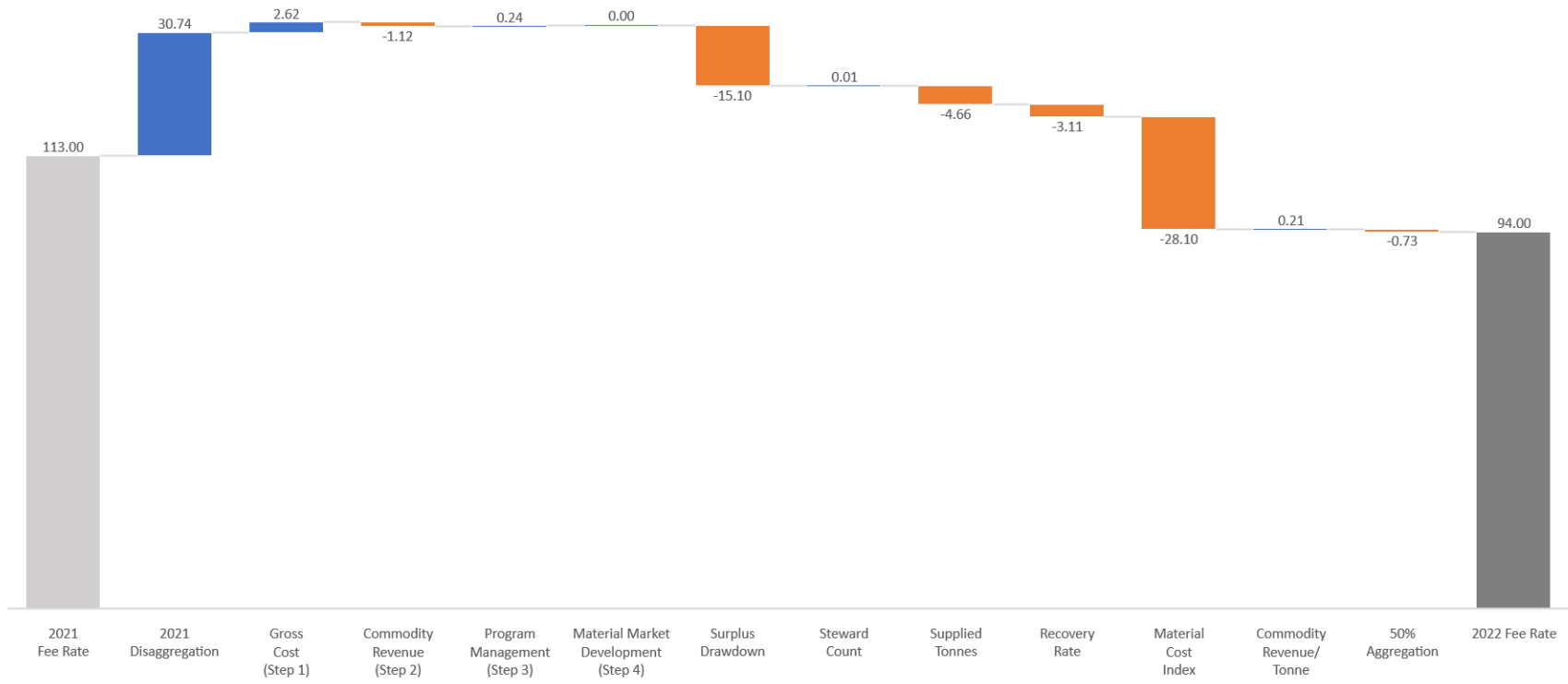
■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



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	Material Cost Index	Commodity Revenue/Tonne	50% Aggregation	2022 Fee Rate
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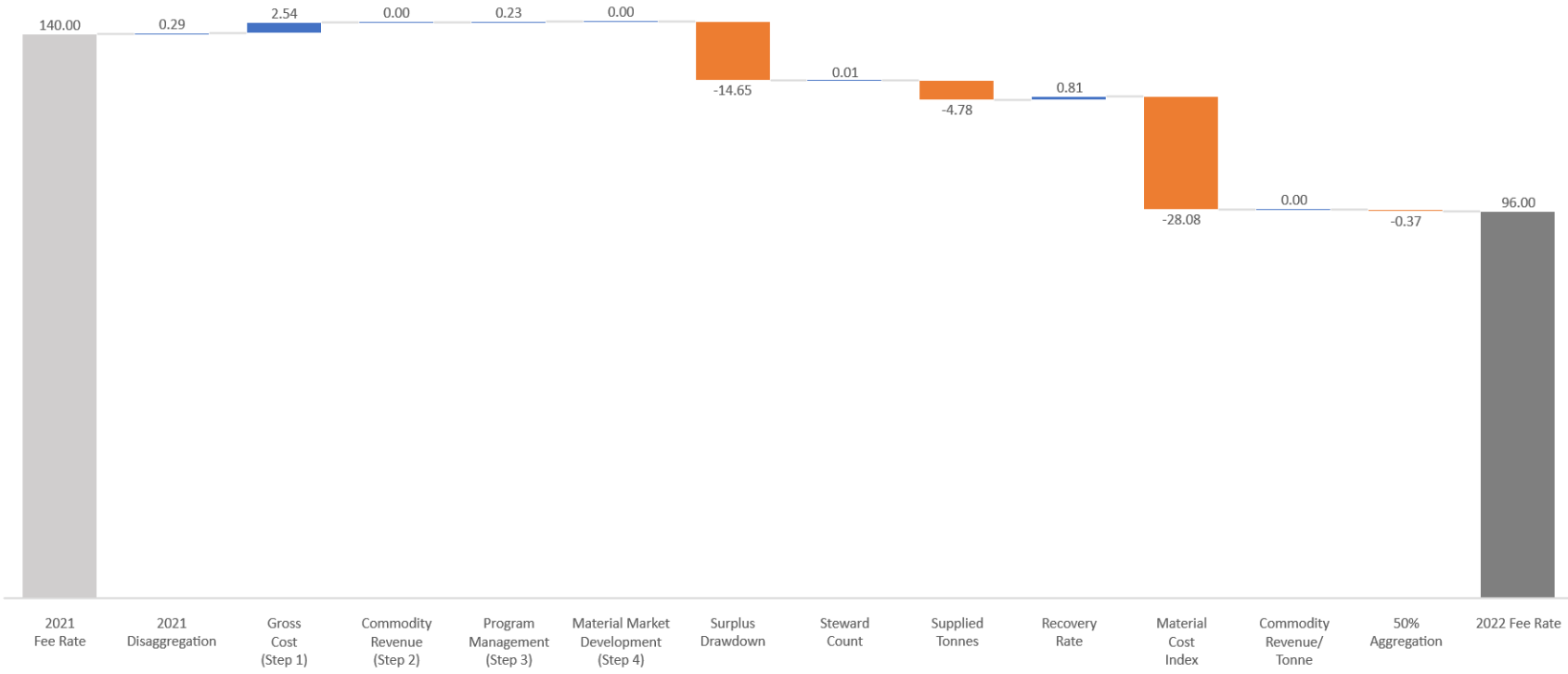
# Plastic Film

■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



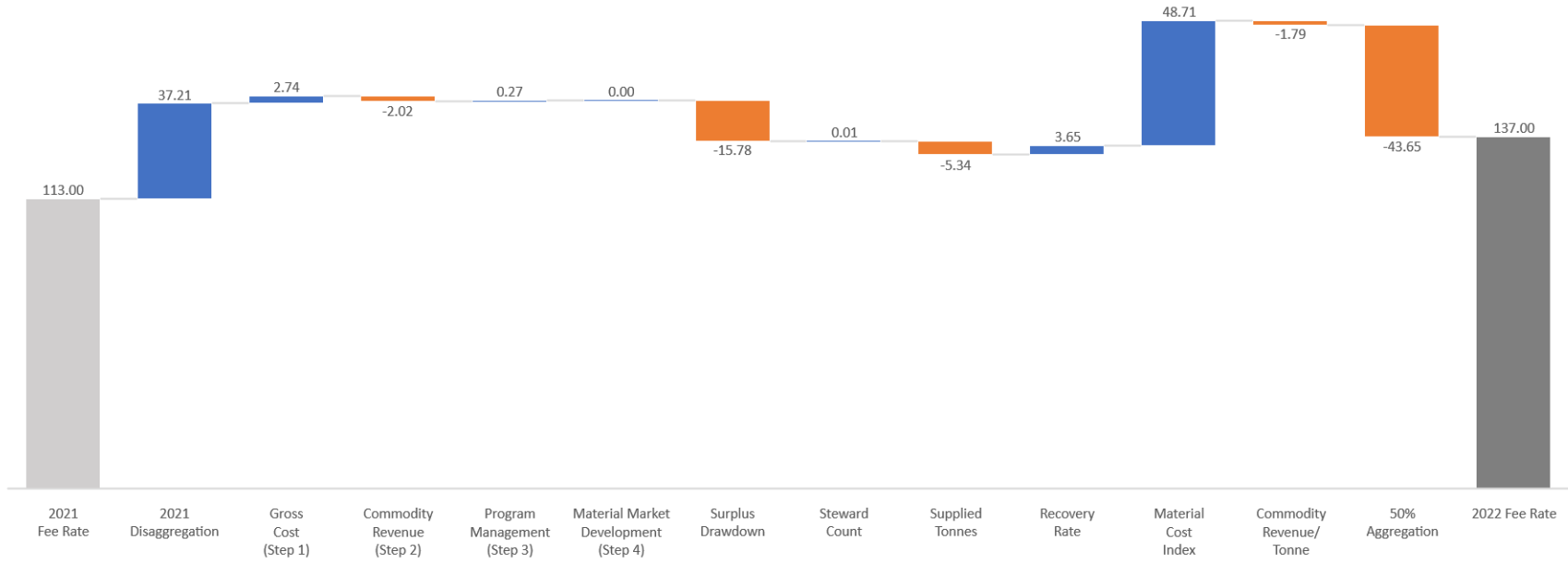
# Plastic Laminates

■ Increase ■ Decrease ■ Total  
Cents/Kg



# Polystyrene

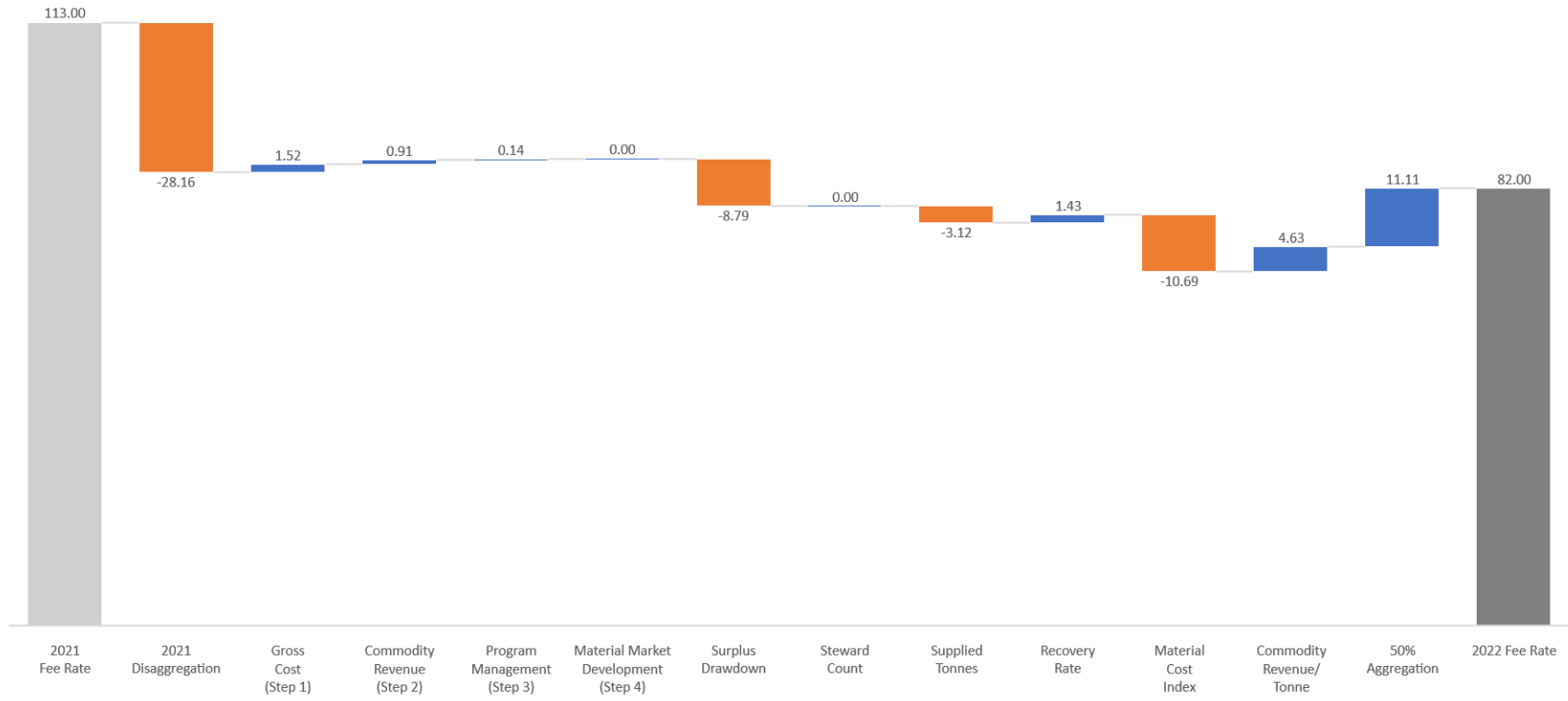
■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg





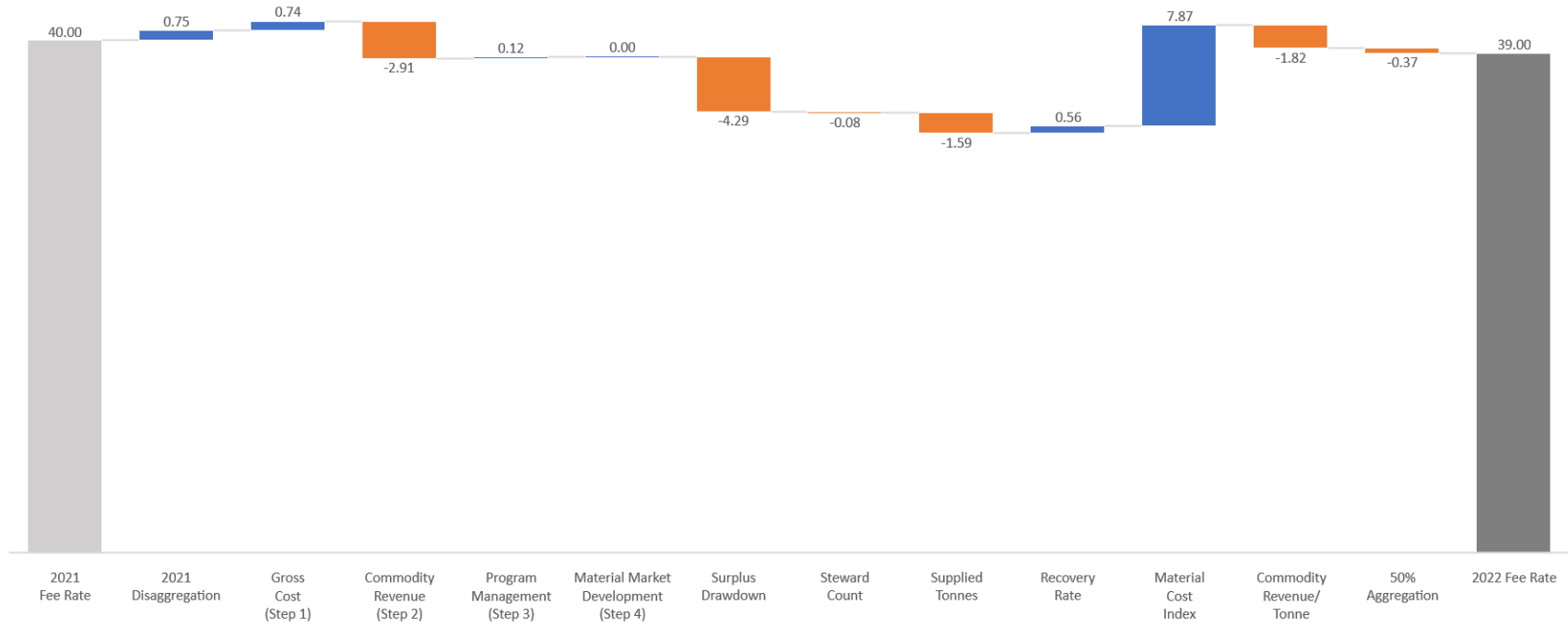
# Other Plastics

■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



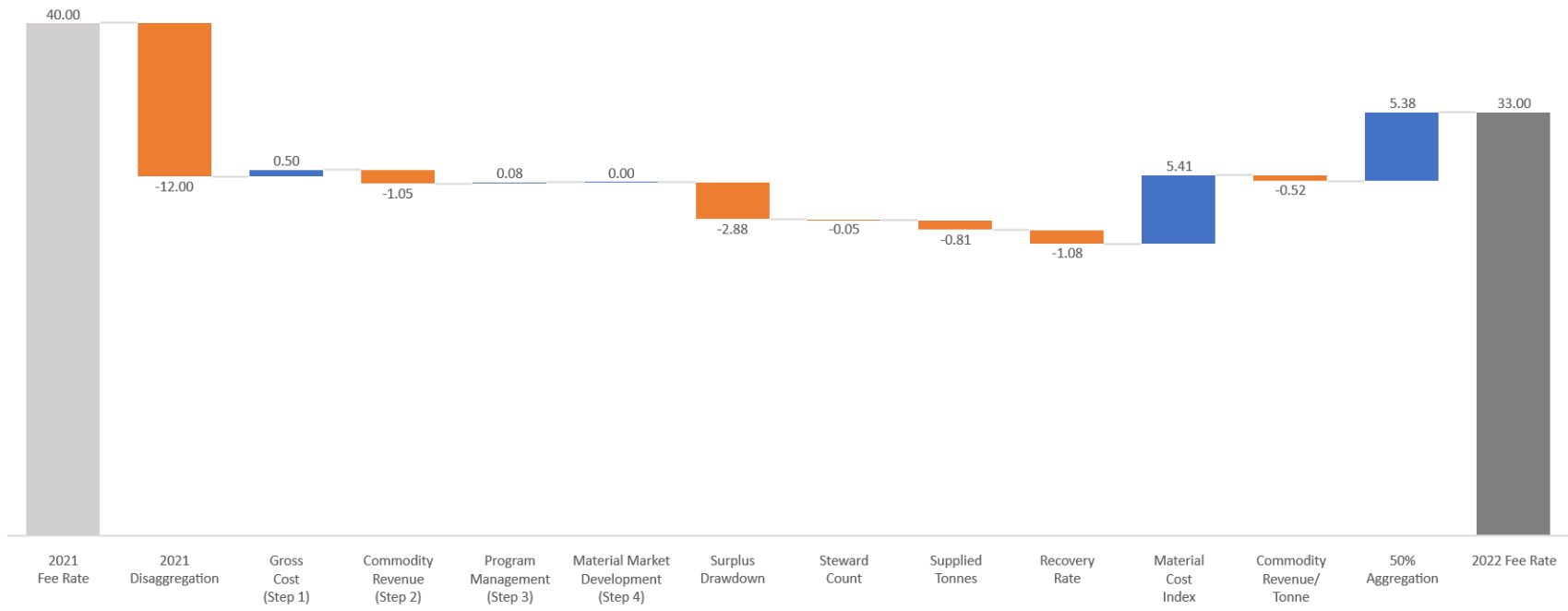
## Other Steel Packaging

■ Increase   
 ■ Decrease   
 ■ Total  
 Cents/Kg



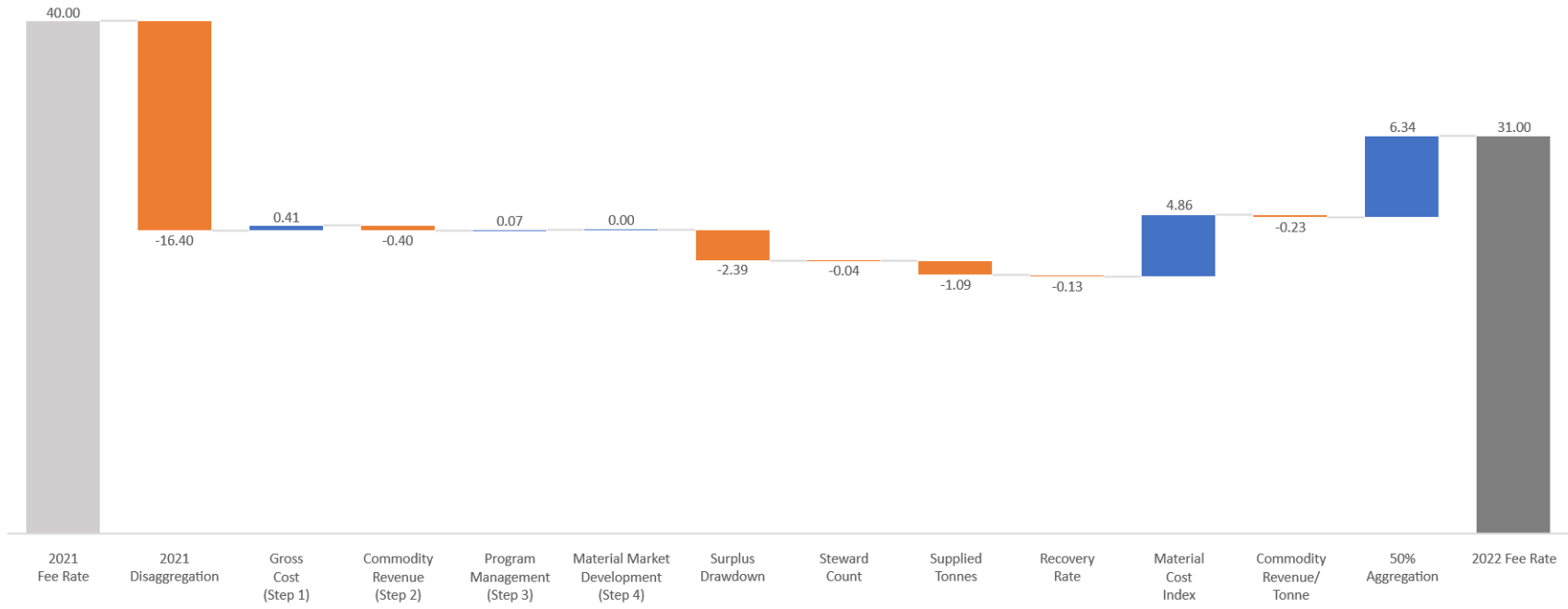
# Steel Aerosols

■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



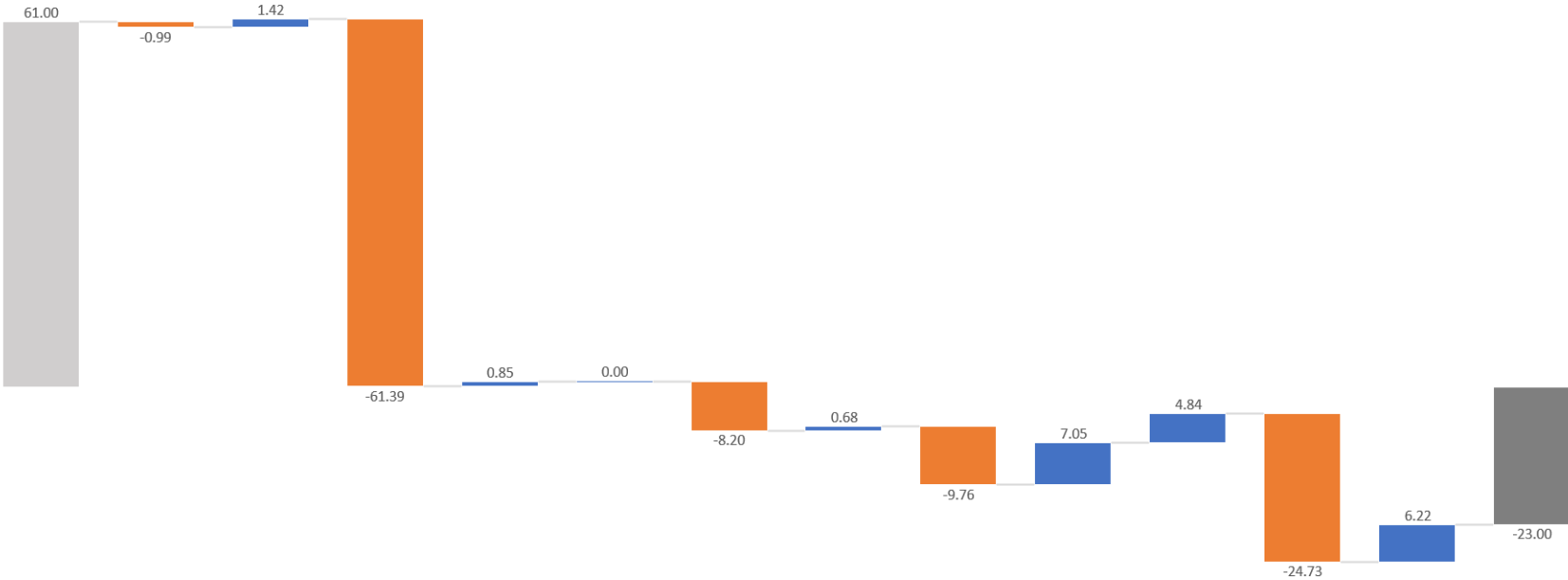
# Steel Paint Cans

■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



# Aluminum Food & Milk Containers

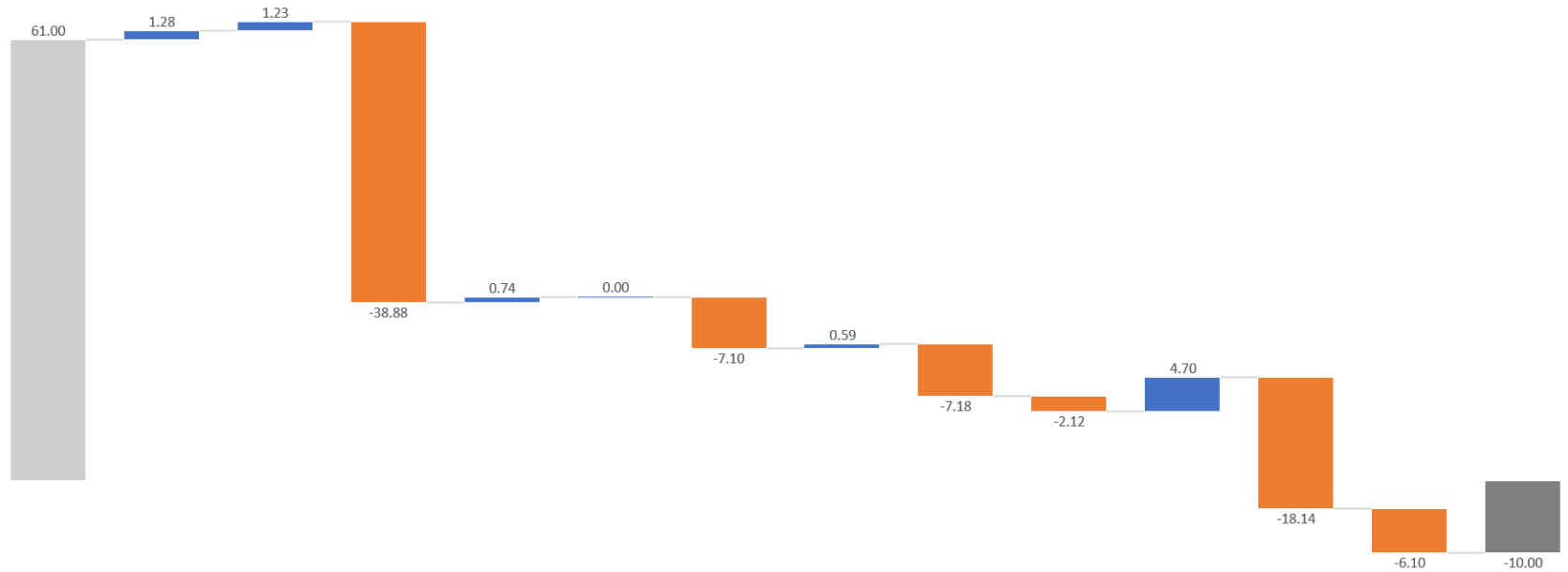
■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



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	Material Cost Index	Commodity Revenue/Tonne	50% Aggregation	2022 Fee Rate
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## Other Aluminum Packaging

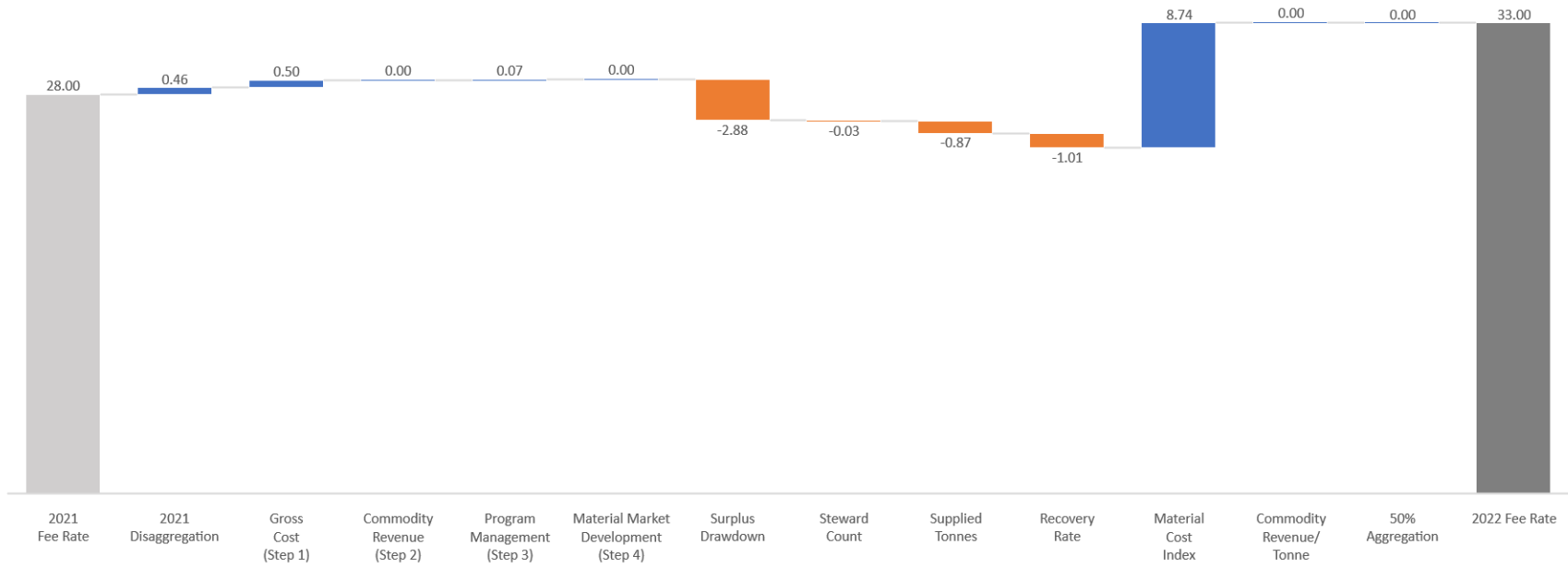
■ Increase   
 ■ Decrease   
 ■ Total  
 Cents/Kg



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	Material Cost Index	Commodity Revenue/ Tonne	50% Aggregation	2022 Fee Rate
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# Clear Glass

■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg



# Coloured Glass

■ Increase 
 ■ Decrease 
 ■ Total  
 Cents/Kg

