

# Improving Oregon Recycling Systems Infrastructure

## Additional Scenario Analysis Results

8/13/2020



# Scenarios and Focus Questions for Today

Baseline: Post-Disruption List

What happens if we conduct only customer engagement on contamination reduction?

- + Engagement (A-)

What is the impact of making processing improvements?

- + Improved Fiber MRFs (A)

What happens if we expand the list?

- + Expanded Lists & Container line (A+)

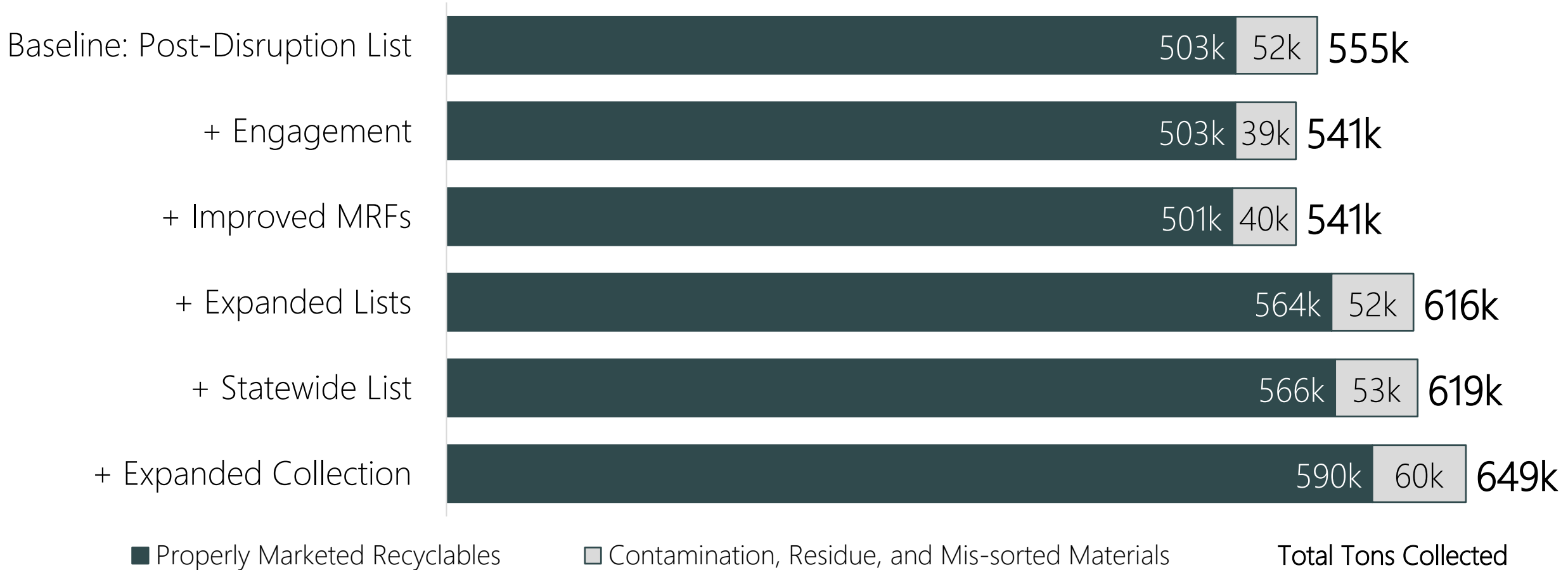
What happens if we have a standardized statewide list?

- + Statewide List (A++)

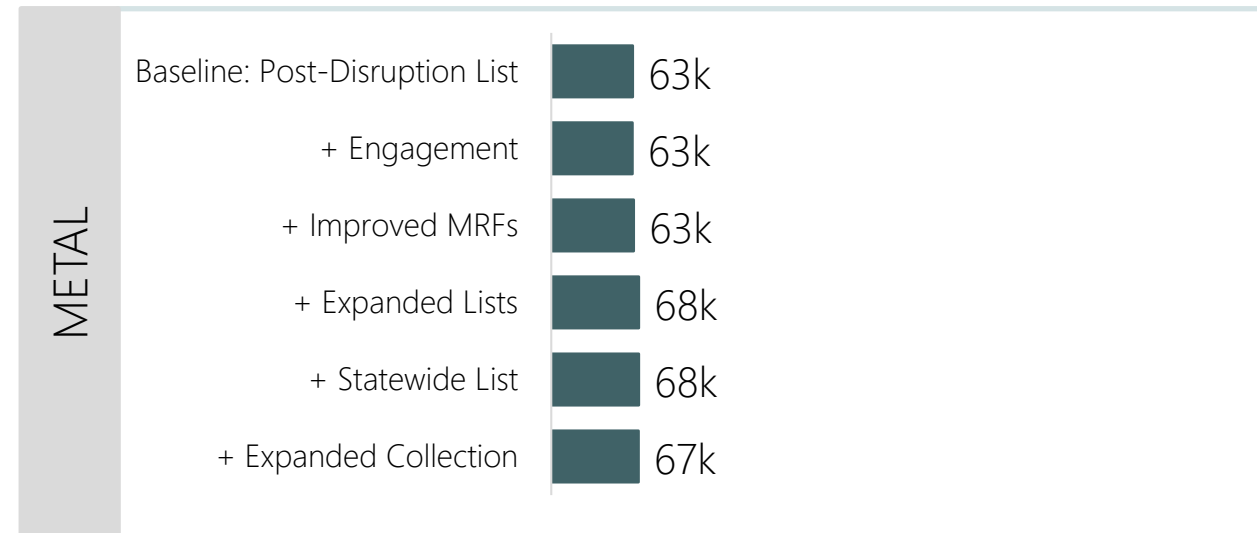
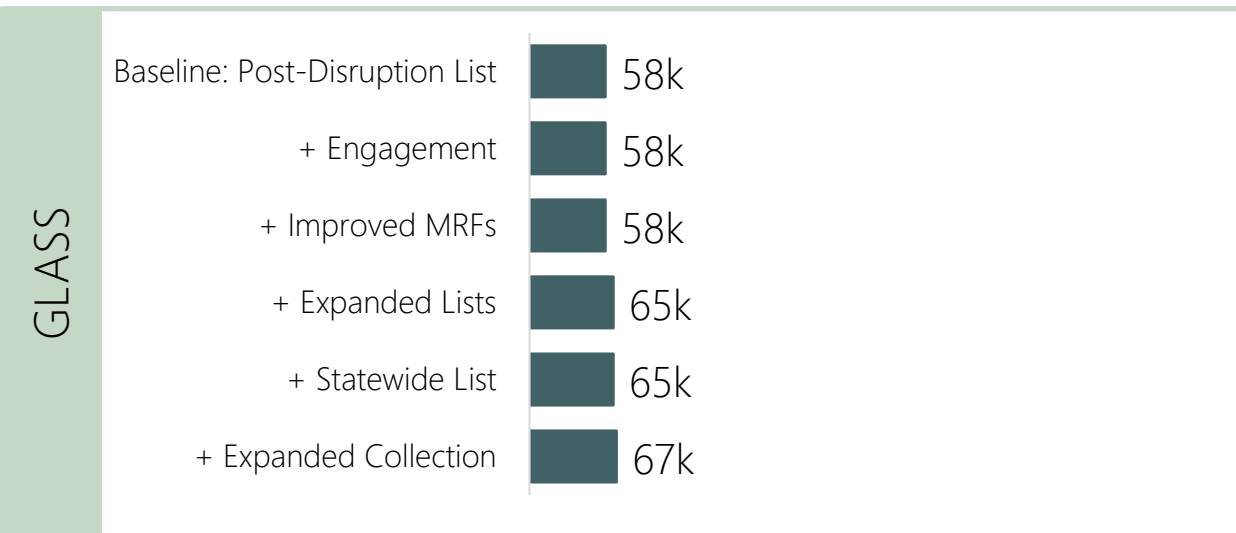
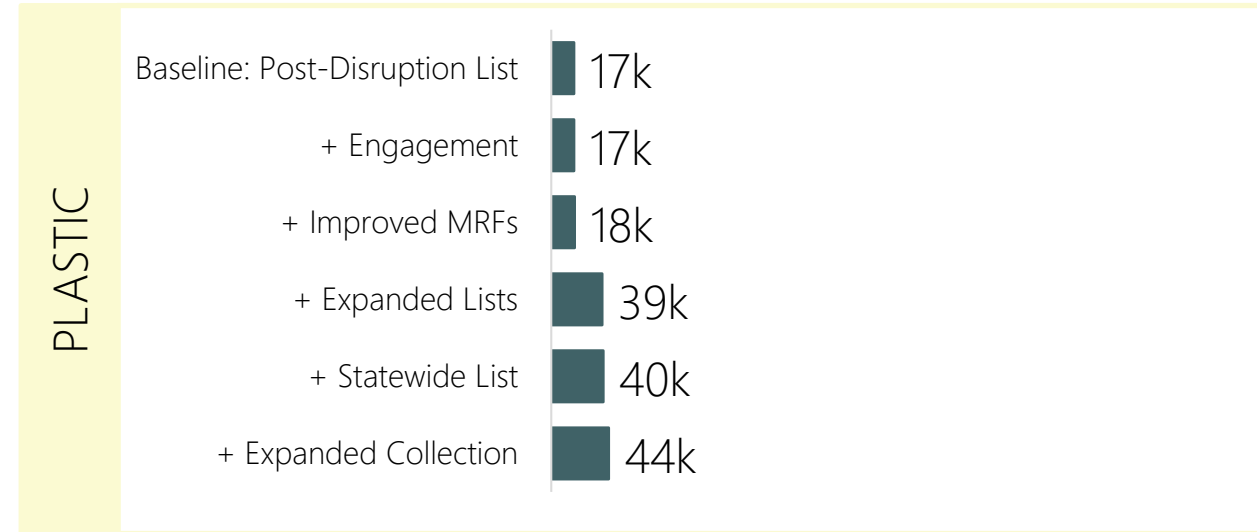
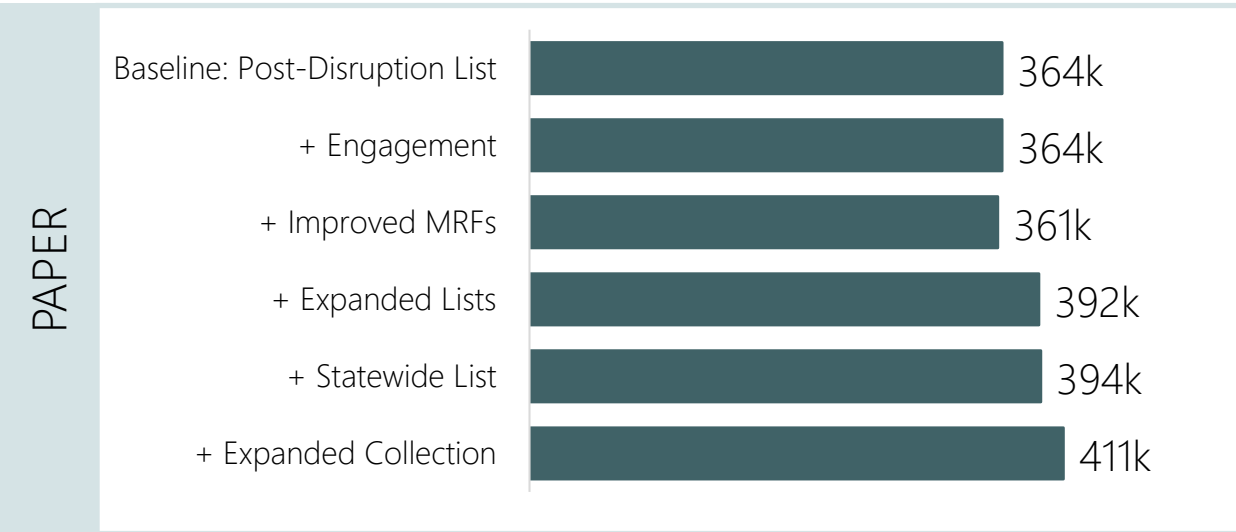
What if we expand collection opportunities to more communities and customers?

- + Expanded Collection (D)

# Recycling Tonnages (all materials, thousand tons)



# Recycling Tonnages Properly Marketed (selected materials, thousand tons)





# Recycling System Annualized Costs (excluding commodity revenues, million dollars)



Customer Engagement & Property Improvement    Collection (including transfer and disposal offset)    Sortation    Total

# Net Recycling System Annualized Costs (with commodity revenue ranges, million dollars)

Baseline: Post-Disruption List

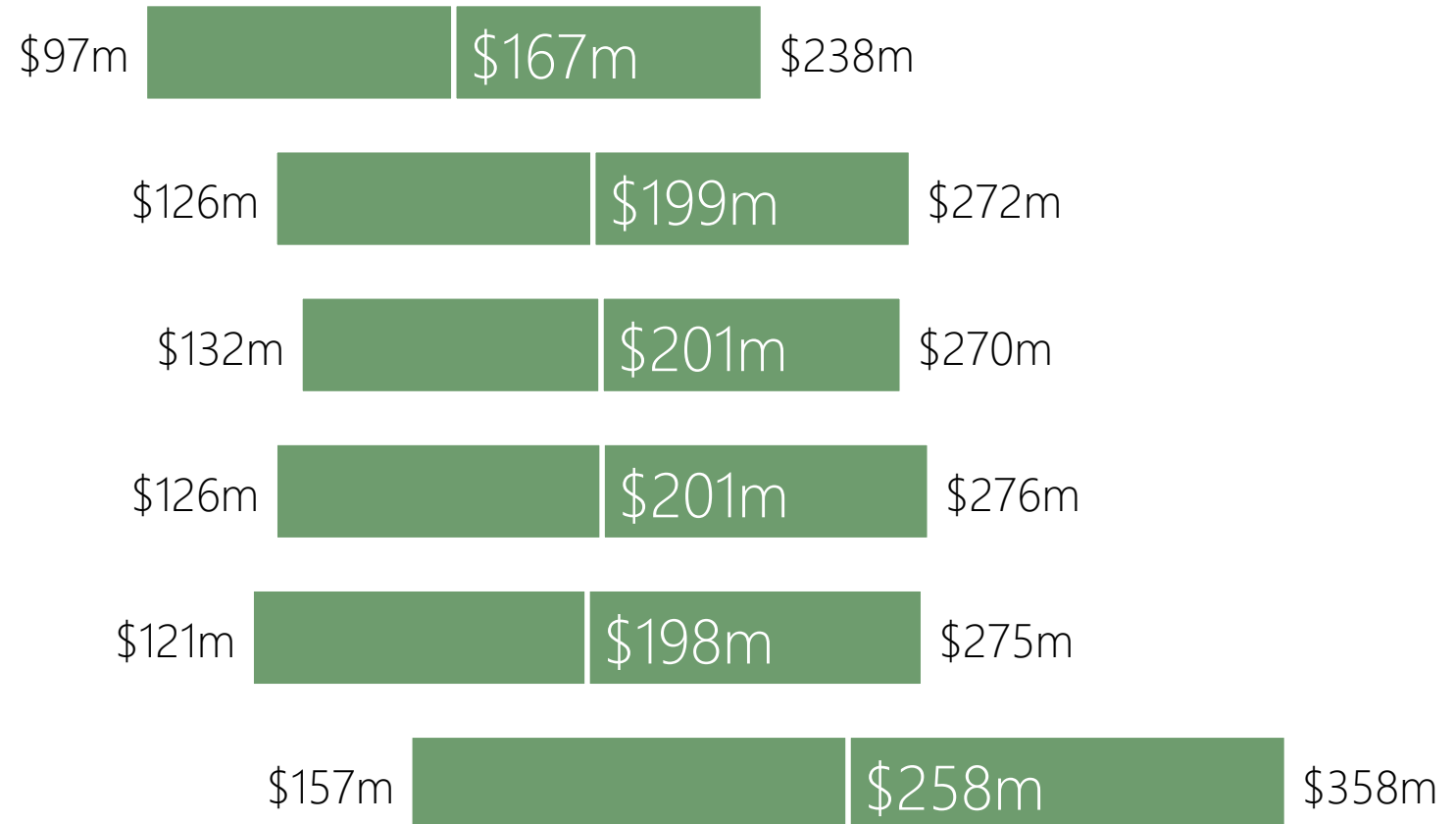
+ Engagement

+ Improved MRFs

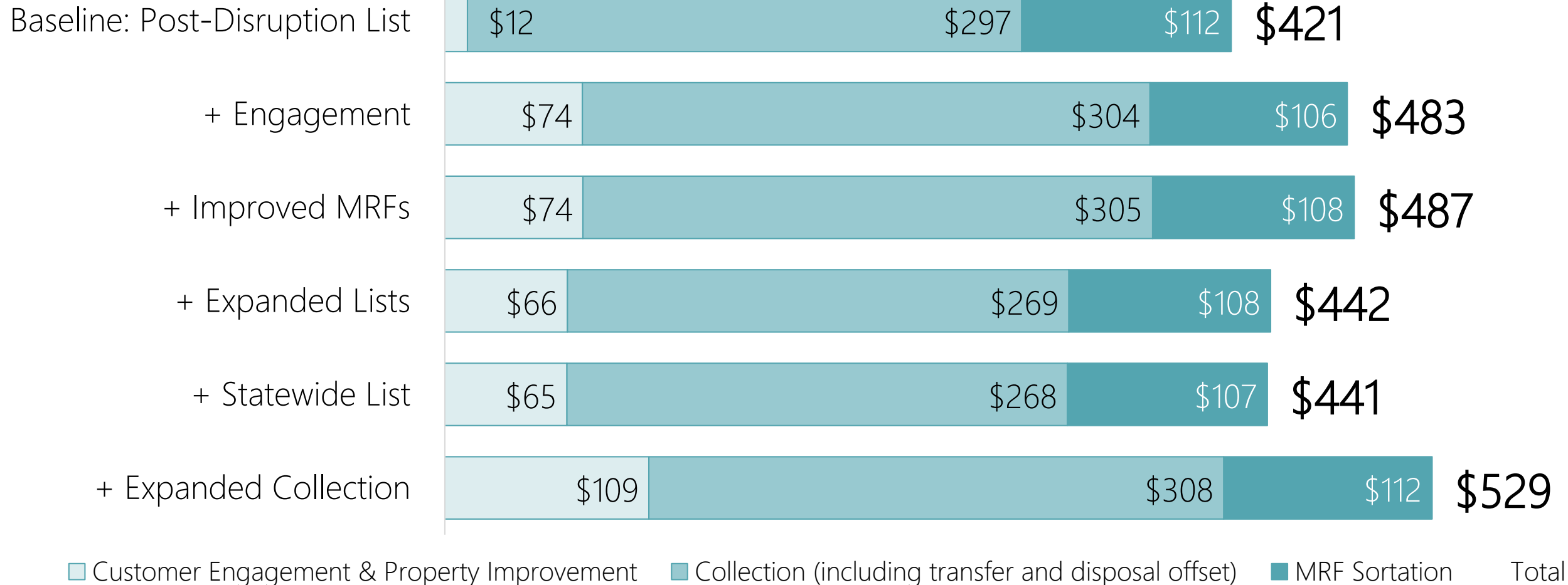
+ Expanded Lists

+ Statewide List

+ Expanded Collection



# Recycling System Costs Per Ton Marketed (excluding commodity revenues)



# Net Recycling System Costs Per Ton Marketed (with commodity revenues ranges)

Baseline: Post-Disruption List

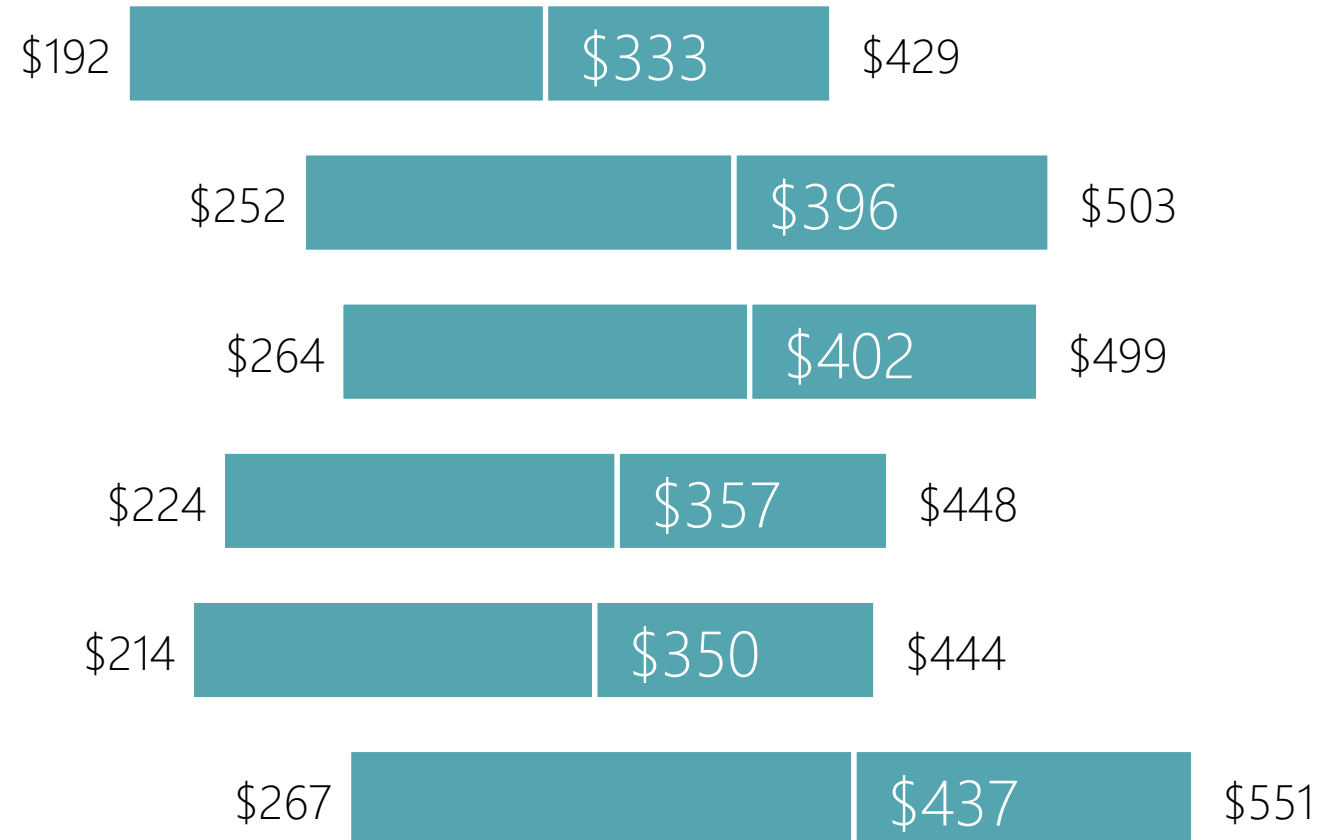
+ Engagement

+ Improved MRFs

+ Expanded Lists

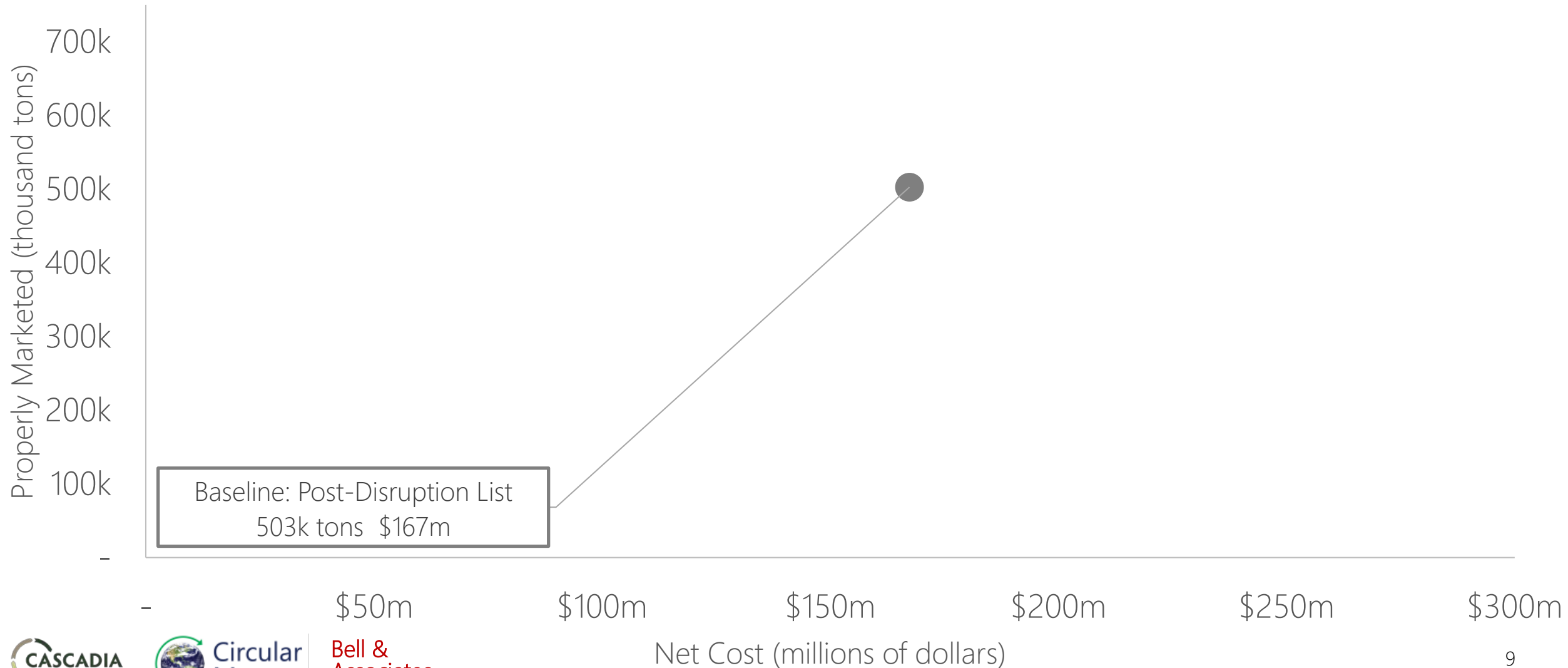
+ Statewide List

+ Expanded Collection

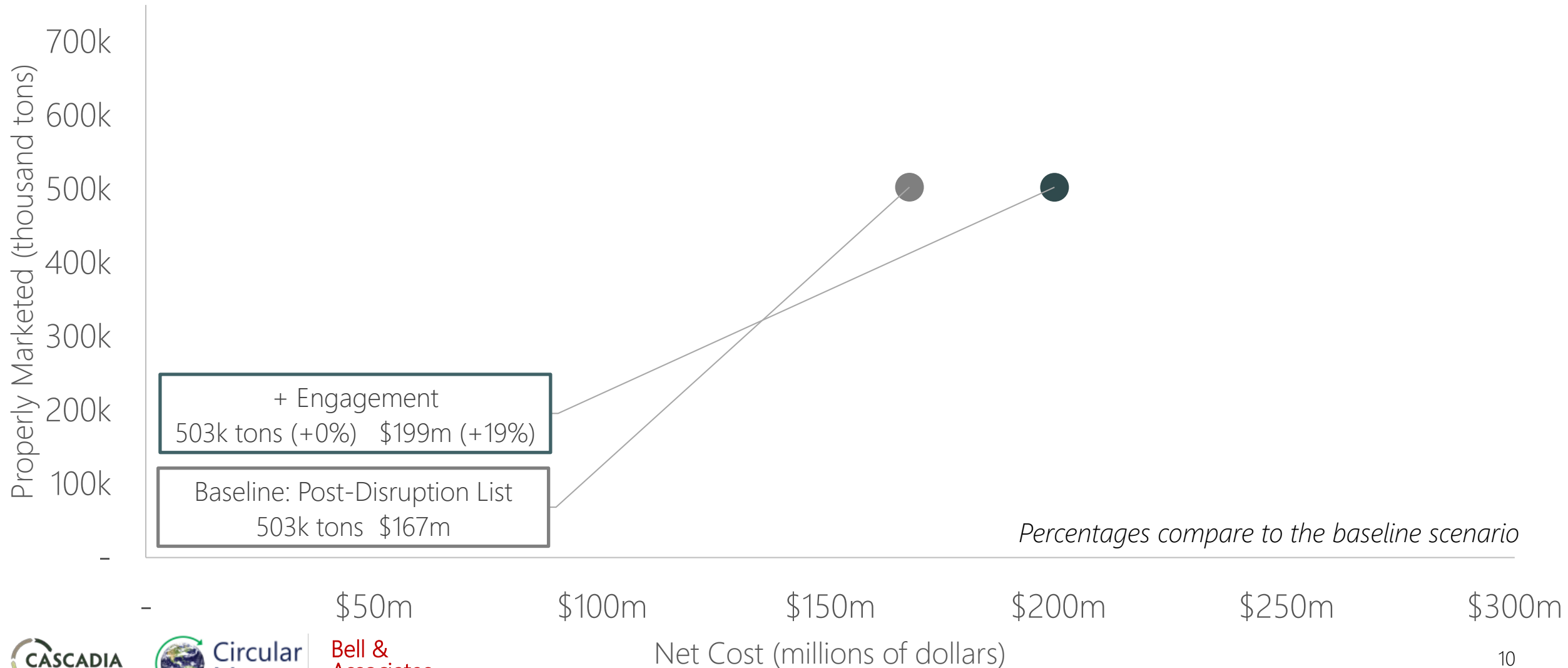




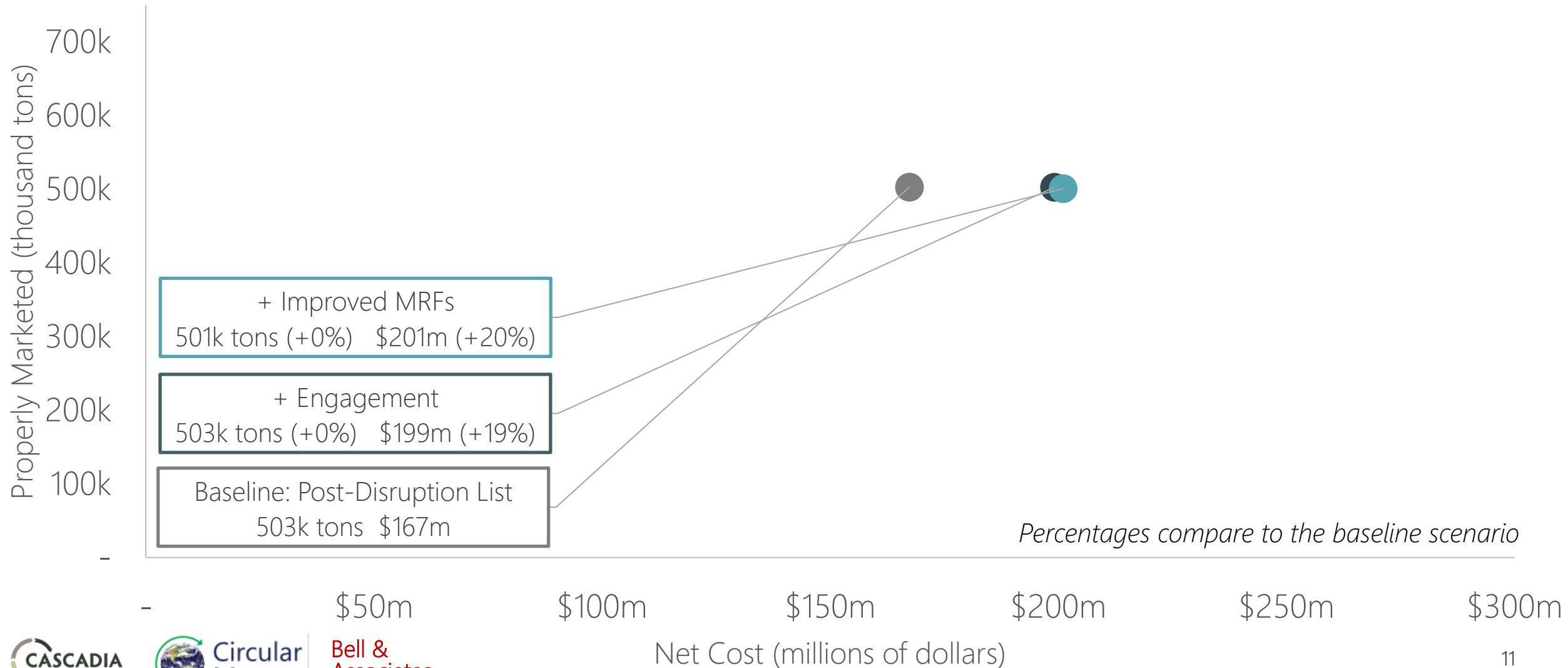
# Scenario Analysis Summary



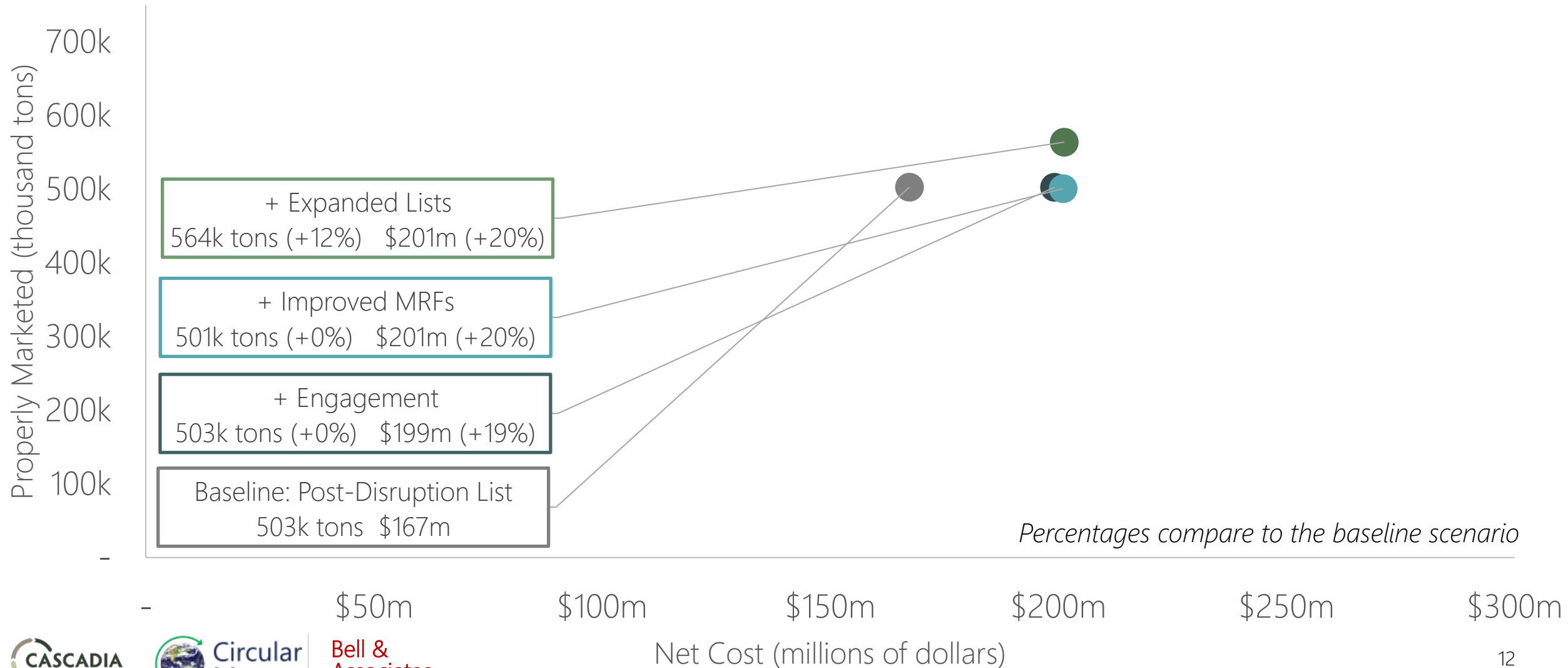
# What happens if we conduct customer engagement only?



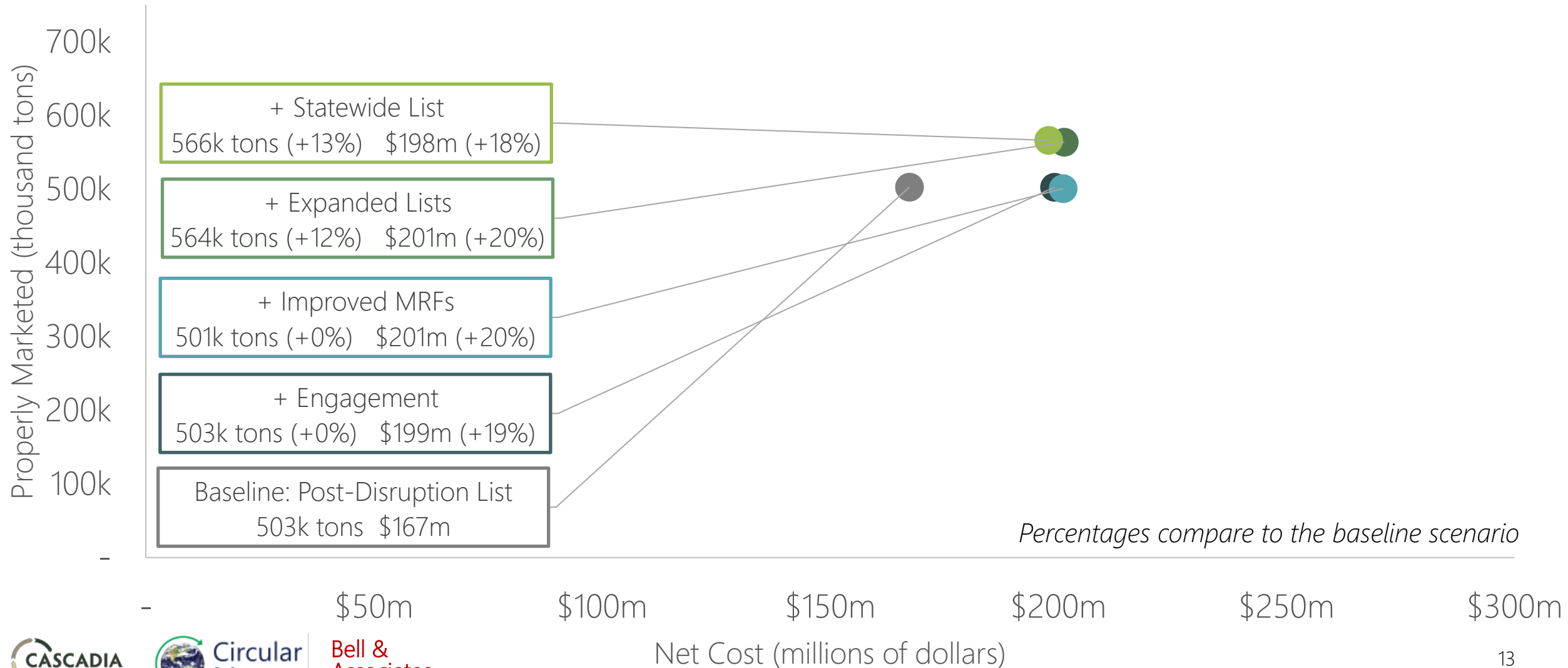
# What is the impact of making processing improvements to fiber?



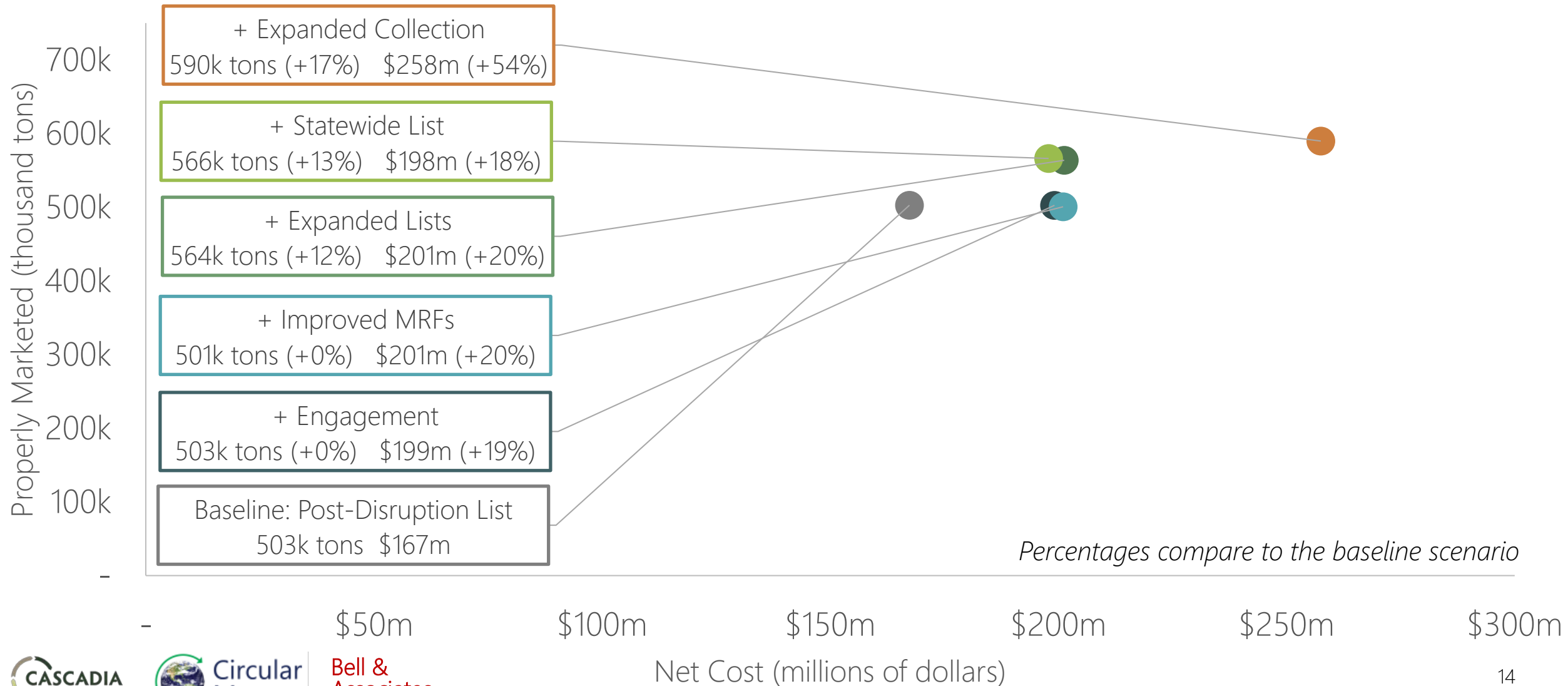
# What happens if we expand the list?



# What if we have a standardized statewide list?

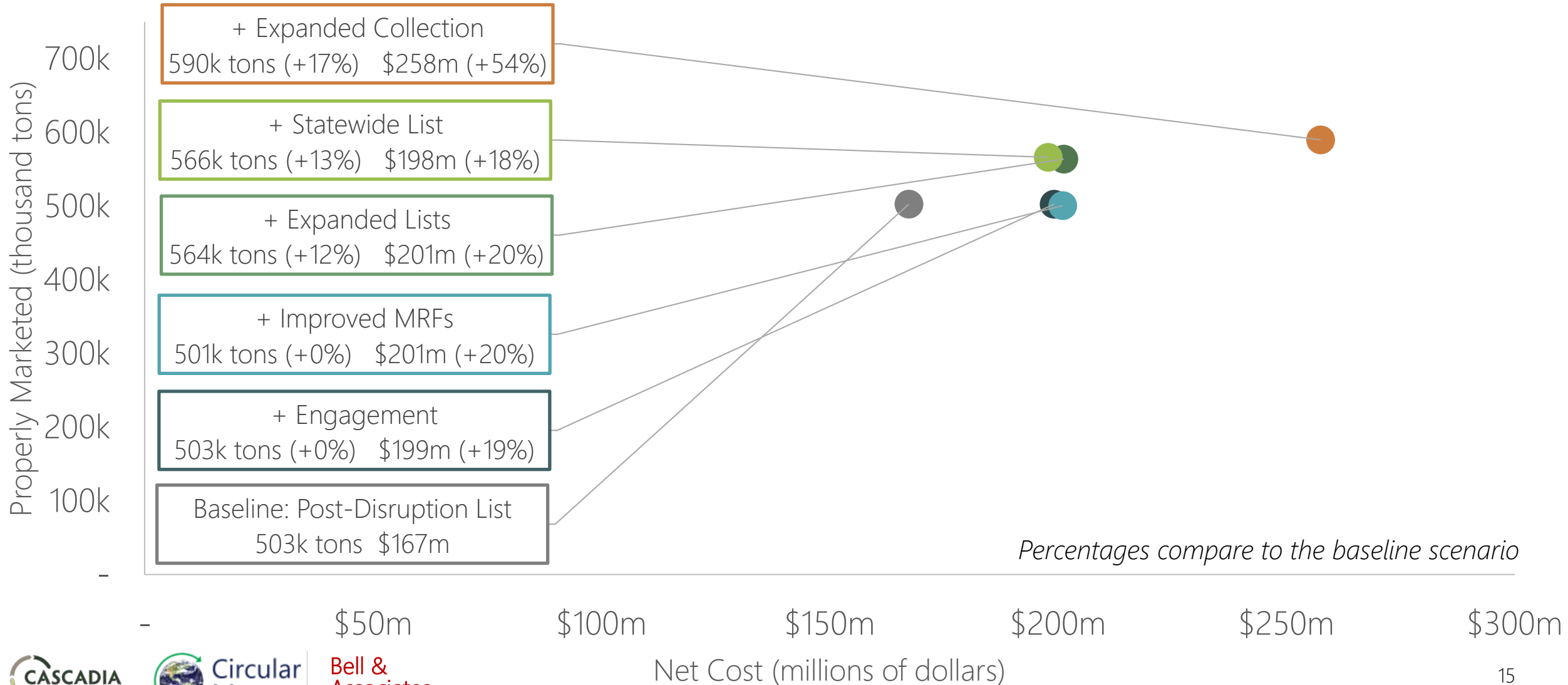


# What if we expand collection opportunities to more communities and customers?





# Scenario Analysis Summary



**Jessica Branom-Zwick**

Cascadia Consulting Group

Jessica@CascadiaConsulting.com

**Tim Buwalda**

Circular Matters

TBuwalda@Circular-Matters.com

**Chris Bell**

Bell & Associates

Chris@BellAssociatesInc.com

