

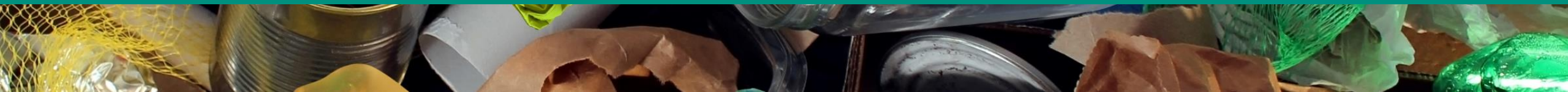


Draft Scenarios for Evaluation

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Technical Workgroup on Materials Lists

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Introduction

- Scenarios will be evaluated for transactional costs, environmental impacts and social costs

Cascadia Consulting Group: Infrastructure Scenario Evaluation

Tons (by Material)

Transactional Costs

Life Cycle Assessment

Waste Impact Calculator

Social Cost Accounting

Full Cost Accounting

Introduction

- Scenarios will be evaluated for transactional costs, environmental impacts and social costs
- A “scenario” is a unique combination of variables
 - Variables = materials, sources, modes of collection, processing, end markets, etc.
- Thousands of possible permutations!
 - But we can’t evaluate thousands of scenarios
 - ∴ likely won’t evaluate the “final, recommended” scenario in this round
- Design scenarios to:
 - Explore a *range* of possible approaches
 - Explore impacts of step-wise changes in single variables

Questions for Technical Workgroup:

After you see the proposed scenarios . . .

- Is this a reasonable range/diversity of scenarios?
- Are there important variables missing?
- Do the potential uniform statewide collection list (USCL) and “depot-only” materials make sense to evaluate?
- Do you have any questions about the process?
- NOT: “Which of these scenarios should the EQC require by rule?”

Scenarios Proposed for Evaluation (Draft)

S0: Current (2020?) System

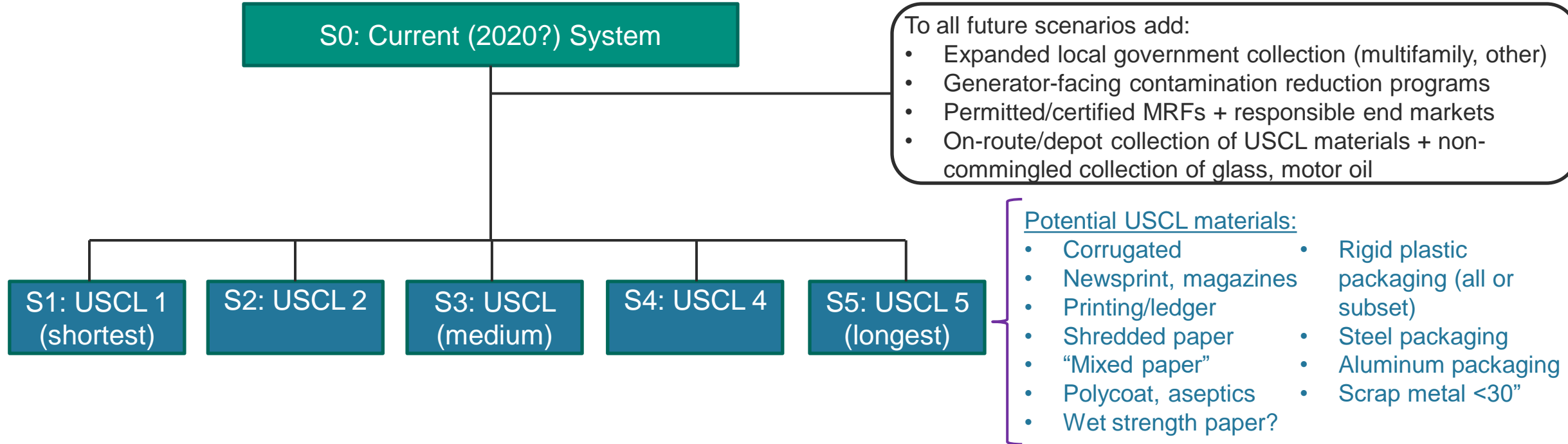
Scenarios Proposed for Evaluation (Draft)

S0: Current (2020?) System

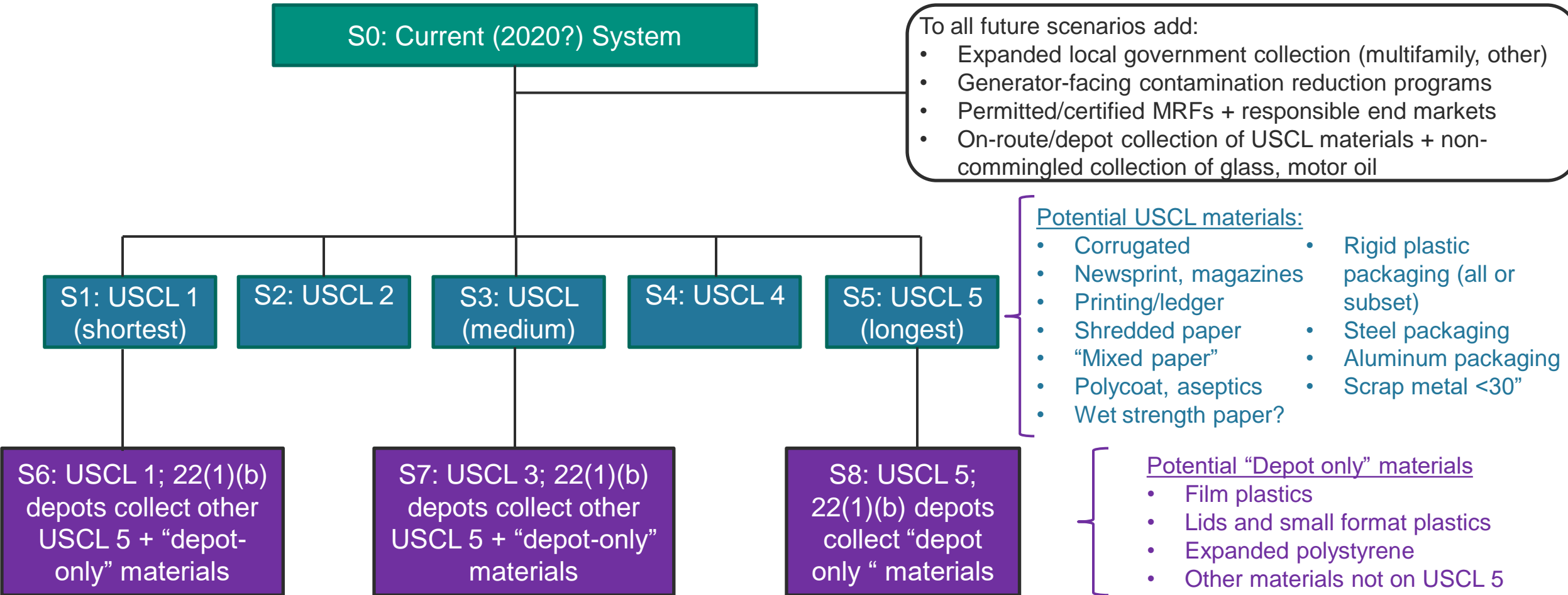
To all future scenarios add:

- Expanded local government collection (multifamily, other)
- Generator-facing contamination reduction programs
- Permitted/certified MRFs + responsible end markets
- On-route/depot collection of USCL materials + non-commingled collection of glass, motor oil

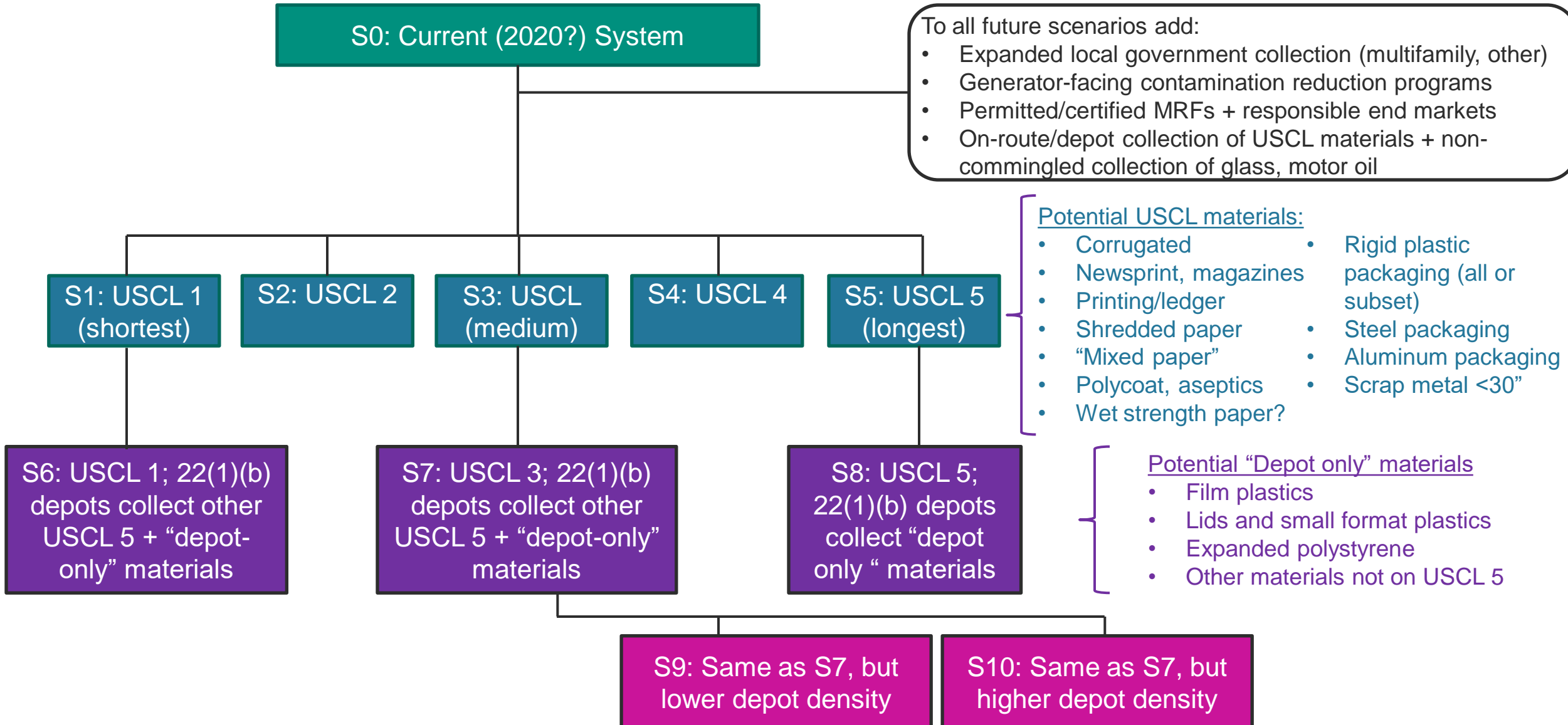
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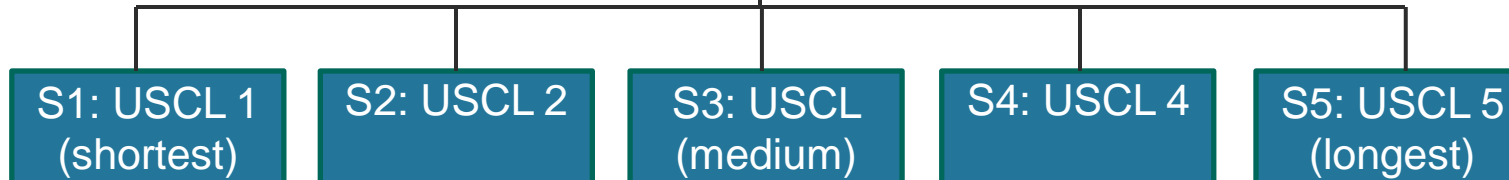


Scenarios Proposed for Evaluation (Draft)

S0: Current (2020?) System

To all future scenarios add:

- Expanded local government collection (multifamily, other)
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- Permitted/certified MRFs + responsible end markets
- On-route/depot collection of USCL materials + non-commingled collection of glass, motor oil



Potential USCL materials:


- Corrugated
- Newsprint, magazines
- Printing/ledger
- Shredded paper
- "Mixed paper"
- Polycoat, aseptics
- Wet strength paper?
- Rigid plastic packaging (all or subset)
- Steel packaging
- Aluminum packaging
- Scrap metal <30"

Potential "Depot only" materials

- Film plastics
- Lids and small format plastics
- Expanded polystyrene
- Other materials not on USCL 5

Scenarios Proposed for Evaluation (Draft)

S0: Current (2020?) System


 = Evaluate expanded glass depots in lieu of on-route collection mandate (S13 – S20)

To all future scenarios add:

- Expanded local government collection (multifamily, other)
- Generator-facing contamination reduction programs
- Permitted/certified MRFs + responsible end markets
- On-route/depot collection of USCL materials + non-commingled collection of glass, motor oil

S1: USCL 1
(shortest) 

S2: USCL 2 

S3: USCL (medium) 


S4: USCL 4 

S5: USCL 5
(longest) 

Potential USCL materials:

- Corrugated
- Newsprint, magazines
- Printing/ledger
- Shredded paper
- “Mixed paper”
- Polycoat, aseptics
- Wet strength paper?
- Rigid plastic packaging (all or subset)
- Steel packaging
- Aluminum packaging
- Scrap metal <30”

S6: USCL 1; 22(1)(b) depots collect other USCL 5 + “depot-only” materials

S7: USCL 3; 22(1)(b) depots collect other USCL 5 + “depot-only” materials 


S8: USCL 5; 22(1)(b) depots collect “depot only” materials


Potential “Depot only” materials

- Film plastics
- Lids and small format plastics
- Expanded polystyrene
- Other materials not on USCL 5

S11: Same as S6, less 1+ materials

S12: Same as S6, less 1+ materials

S9: Same as S7, but lower depot density 

S10: Same as S7, but higher depot density 

Questions for Technical Workgroup:

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- NOT: “Which of these scenarios should the EQC require by rule?”