



ZERO WASTE TASK FORCE

MEETING 1 'SETTING THE STAGE'

June 28th 2017

Resource Recycling Systems (RRS)

www.recycle.com



Managing change
in a resource-
constrained world.



ORGANICS
MANAGEMENT



WASTE
RECOVERY



GLOBAL CORPORATE
SUSTAINABILITY

since 1986

TODAY'S AGENDA

Item	Who	Time
Introduction	All	3:00
Goals and Roles	HC3/Summit	3:10
Meeting Rules	RRS	3:20
Summit Background	HC3/Summit	3:25
Project Scope	RRS	3:50
Baseline Economics of SCRAP	RRS	4:00
Introduction to Funding	RRS	4:25
Discussion and Next Steps	All	4:40



GROUP INTRODUCTION

- Name
- What entity do you represent?
- What is your vision for Summit County's recycling system in 2027?



TASK FORCE GOAL

Provide long-term recycling
funding recommendation to
Board of County
Commissioners by end of
2017.



TASK FORCE MEETINGS

- Meeting 1 – Setting the Stage
- Meeting 2 – Best Practices and Summit County Options (August)
- Meeting 3 – Digging into the Options (September)
 - *Public Forum*
- Meeting 4 – Drafting Recommendations (October)



GROUND RULES

RRS Role as Chair

- Keep meetings on time and on schedule
- Make sure meeting minutes are available to the group
- Provide agendas to the group
- Keep you informed of where we are in the process
- Share materials with the group (email via HC3)
- Synthesize comments and input
- Respect all opinions and input
- Be available for one-on-one conversations

GROUND RULES

Your Role as Member

- Commit to attending all meetings – if you can't please read minutes
- Stay focused on issues and topics at hand
- Respect all other opinions
- Provide feedback on draft materials
- Share outcomes with colleagues
- Bring concerns from the group you represent
- E-mails for the entire group should be sent to HC3 staff for distribution
(jenschenk@highcountryconservation.org)

An aerial photograph of a mountain valley. The foreground shows a winding road and some structures. The middle ground is a dense forest of evergreen trees. In the background, there are large mountains under a cloudy sky. A teal-colored horizontal bar is overlaid across the middle of the image, containing the word 'BACKGROUND' in white capital letters.

BACKGROUND



RECYCLING IN SUMMIT COUNTY

- SCRAP
- Drop-Offs
- Waste Collection
- Other Waste Reduction Initiatives

1970s

- Summit Recycling Project (SRP)

2003

- Mill levy to fund MRF

2005

- SRP Staff become County Staff

2007/2008

- Compost operations begin

2011/2012

- Zero Waste Task Force formed – discuss SS vs. DS

2014

- Safety First Fund 1(A) passed to support HHW and e-waste

2015

- Bottle to bottle recycling and compost feedstock changes

2017

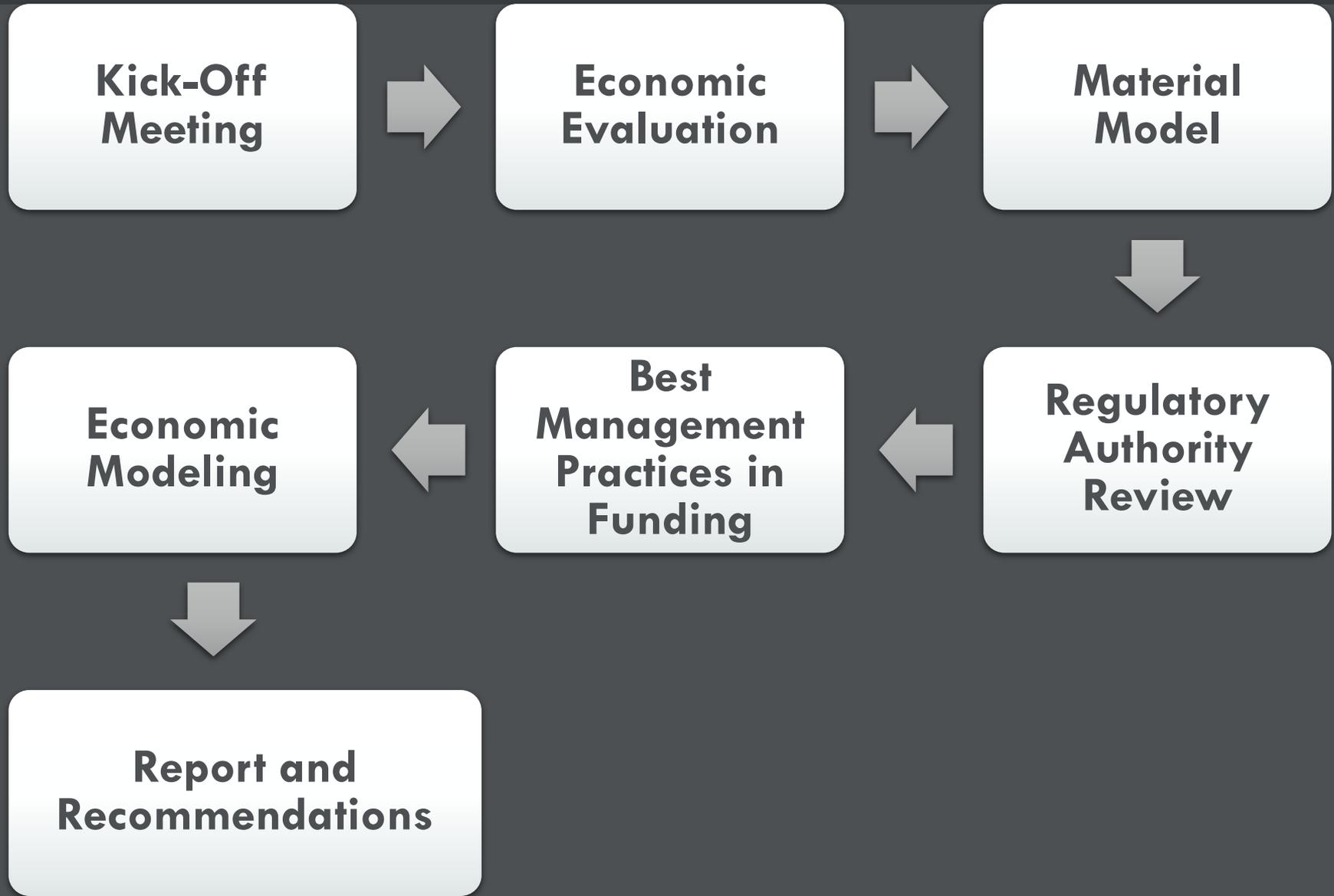
- Designated Disposal Site Ordinance Adopted



PROJECT GOALS

- Interactive stakeholder process
- Evaluate current economics of system
- Develop flexible long term model
- Recommendations for long term funding solutions
- Assumptions
 - Flow control
 - Underlying economics / budgets – project is not a study of operational efficiency

PROJECT APPROACH OVERVIEW





DISCUSSION

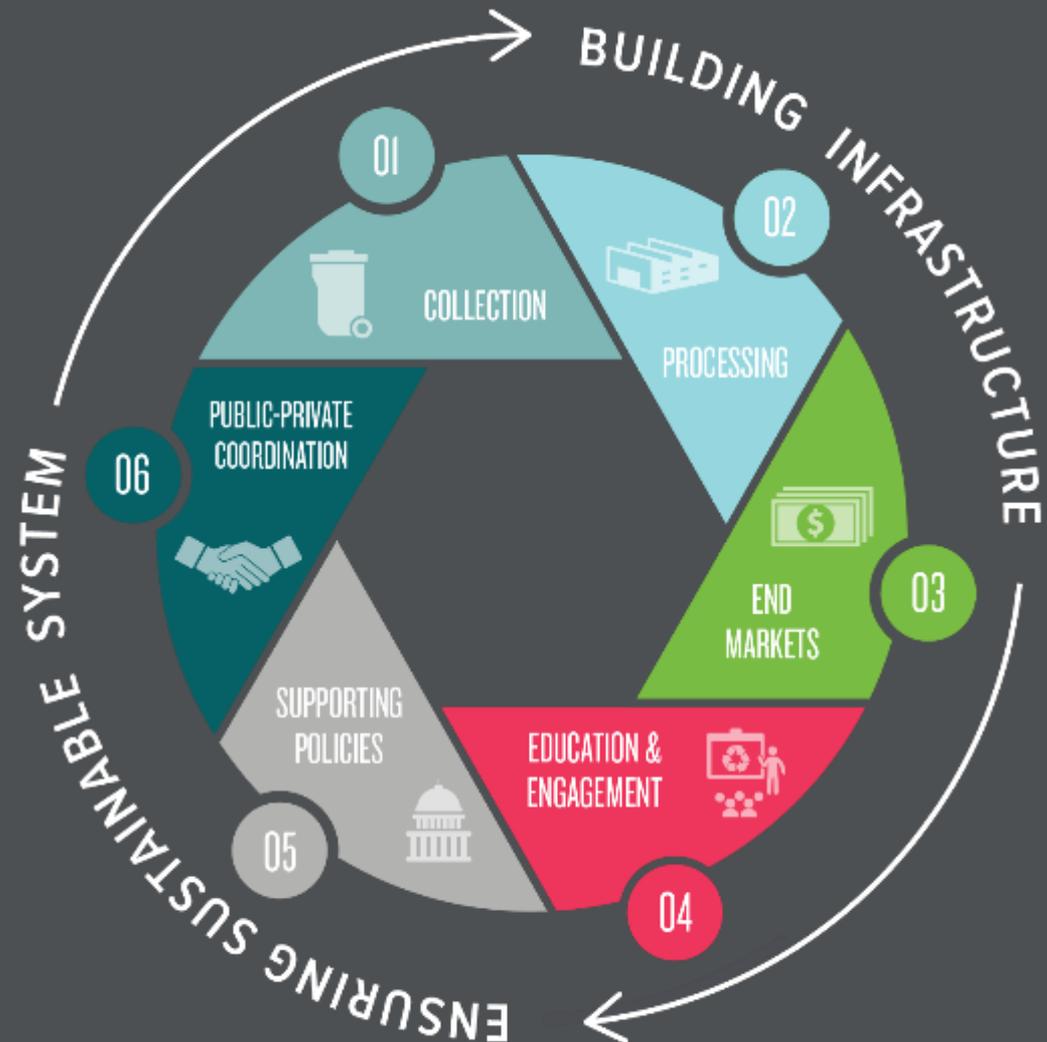
- Concerns or questions about project scope?

An aerial photograph of a valley with mountains in the background. The sky is filled with clouds. A teal banner is overlaid at the bottom of the image.

S.C.R.A.P. ECONOMICS

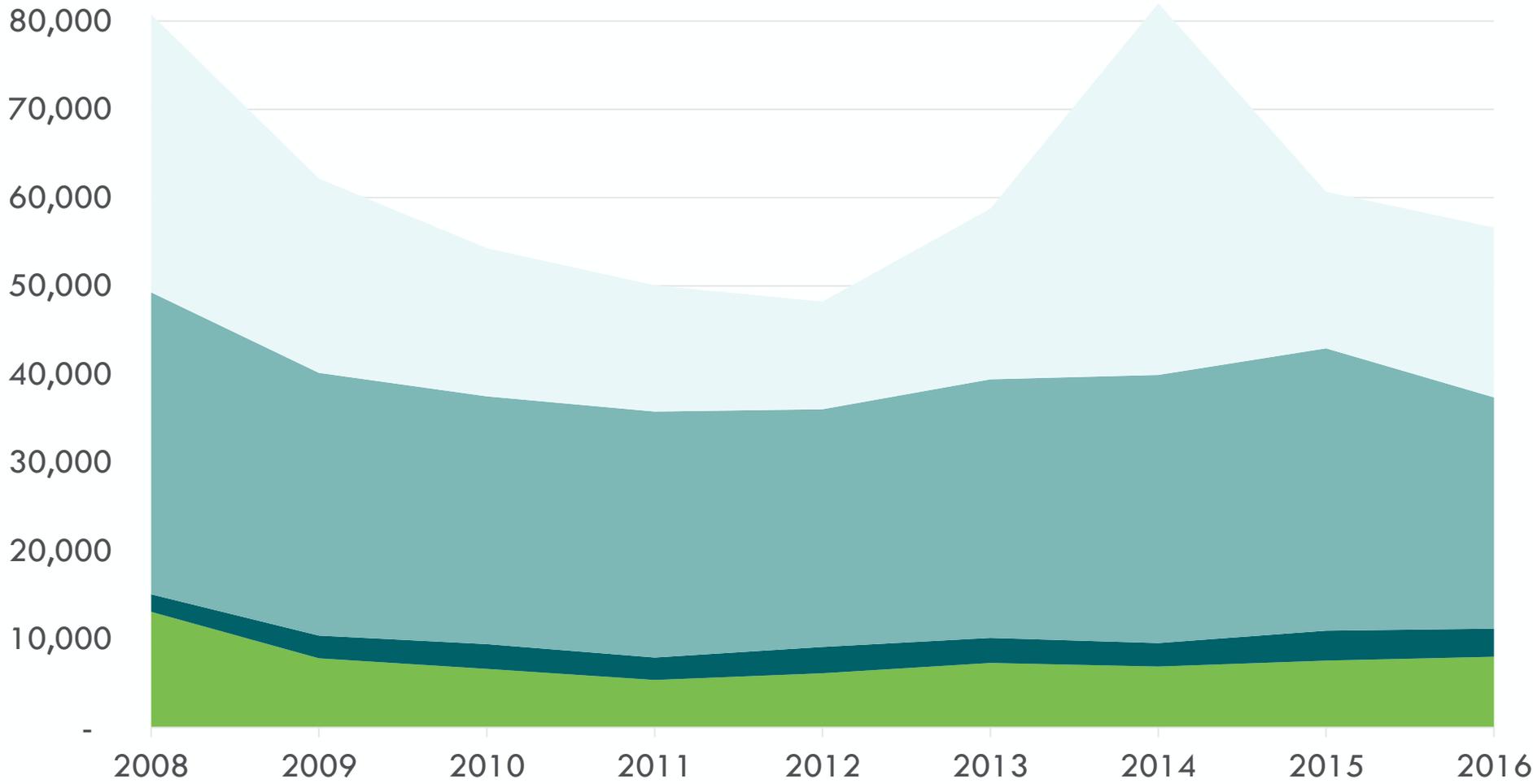
SYSTEMS BASED APPROACH

Evaluating costs through a systems based approach



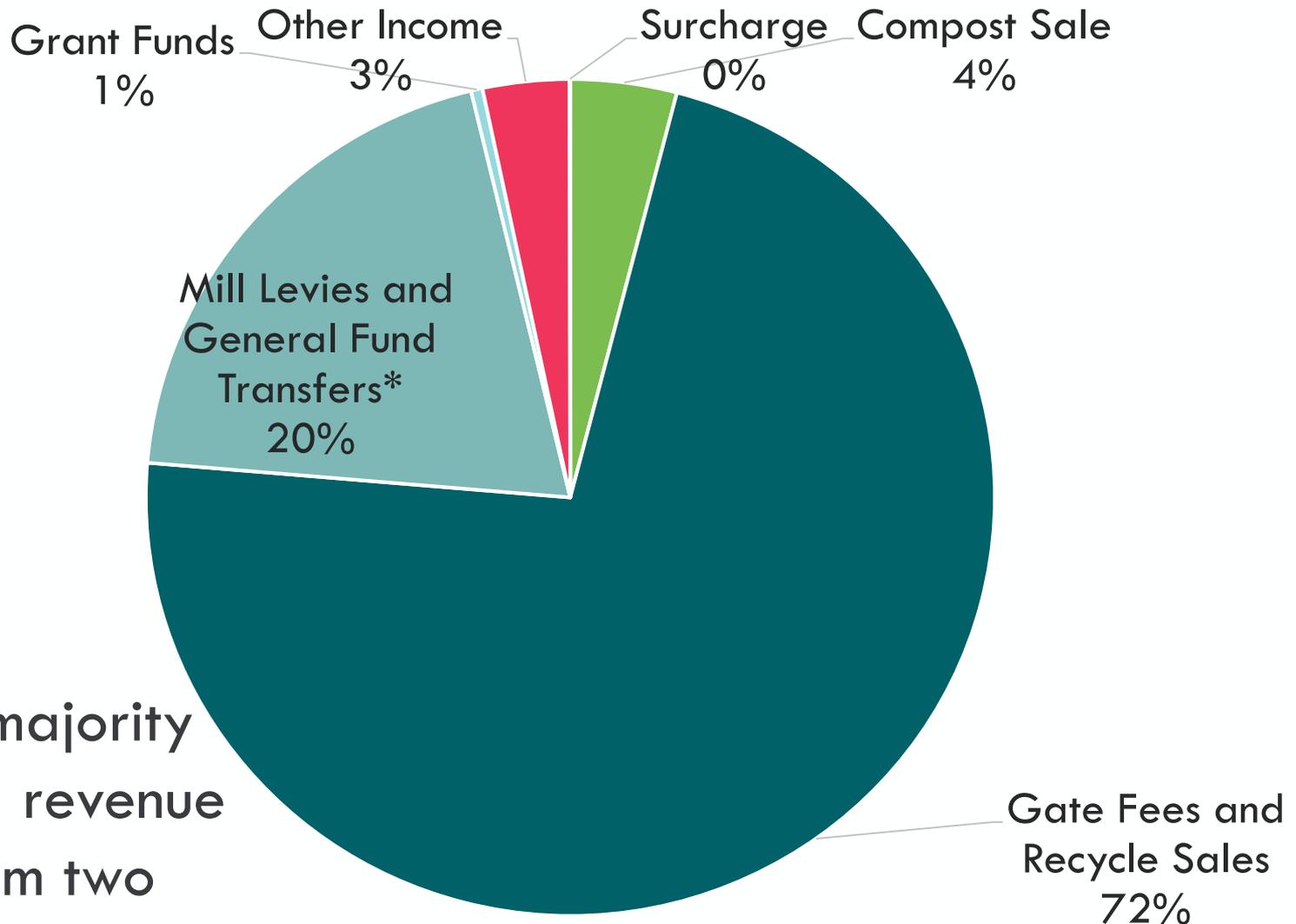
TONNAGE AND DIVERSION HISTORY (ESTIMATED)

	2008	2009	2010	2011	2012	2013	2014	2015	2016
MSW Diversion Rate	31%	26%	25%	22%	25%	26%	24%	26%	30%
Total Diversion Rate	19%	17%	17%	16%	19%	17%	12%	18%	20%



■ Total Compost
 ■ Total Recycle
 ■ Total MSW
 ■ C&D, Fill, Cover

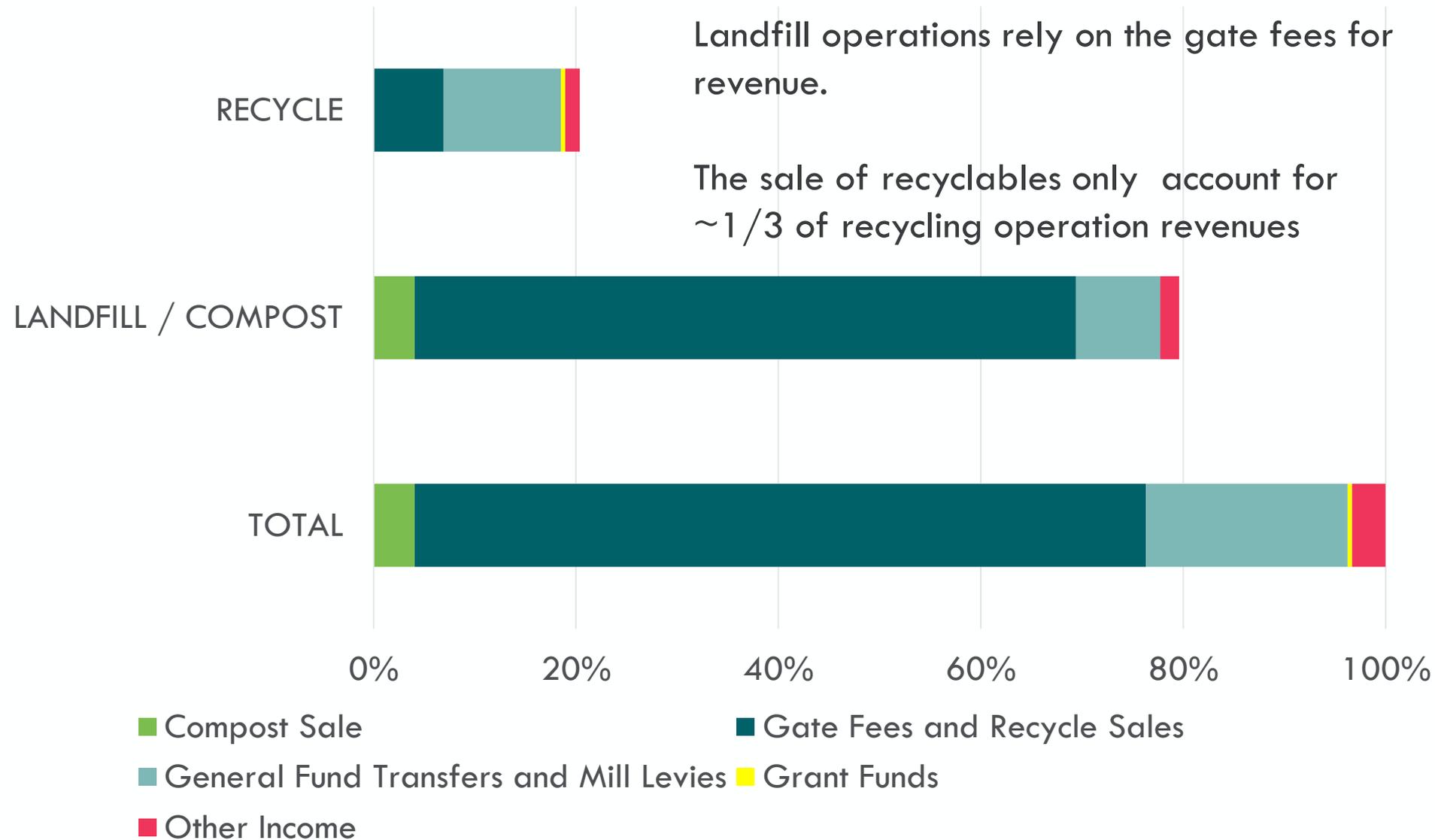
BASELINE FUNDING ANALYSIS — REVENUE



The vast majority
SCRAP of revenue
comes from two
sources.

* General fund transfers used to pay for capital and equipment rental

BASELINE FUNDING ANALYSIS — REVENUE



BASELINE BUDGET ESTIMATION



SCRAP earns a small revenue annually.

Recycling operations have been running at a deficit.



Landfill operations have been earning revenue.



Baseline Budget Amount (\$'s)

■ Income ■ Expense ■ NET



BASELINE SUMMARY

Baseline landfill operations net revenue is estimated to be \$9/ton to \$10 / ton.

Approximately \$7 / ton of the net landfill revenue helps to cover costs of recycling operations.

If landfilled tons decrease the \$'s / ton needed to cover recycling costs would increase.

An aerial photograph of a wide river valley. The river winds through the center of the valley, surrounded by green fields and some buildings. In the background, there are dark mountains, some with snow-capped peaks. The sky is filled with large, white clouds. A semi-transparent teal banner is overlaid across the bottom third of the image, containing the text 'FUNDING SOURCES' in white, bold, sans-serif capital letters.

FUNDING SOURCES

FUNDING RECYCLING IN THE US

Taxes

- Property Tax / Mill Levy
- General Fund
- Sales Tax
- SWM Tax
- Tourism / Hotel Tax
- Service Assessment



FUNDING RECYCLING IN THE US

User Fees

- Tip fees (surcharges)
- Generator fees
- Utility fees
- Impact fees



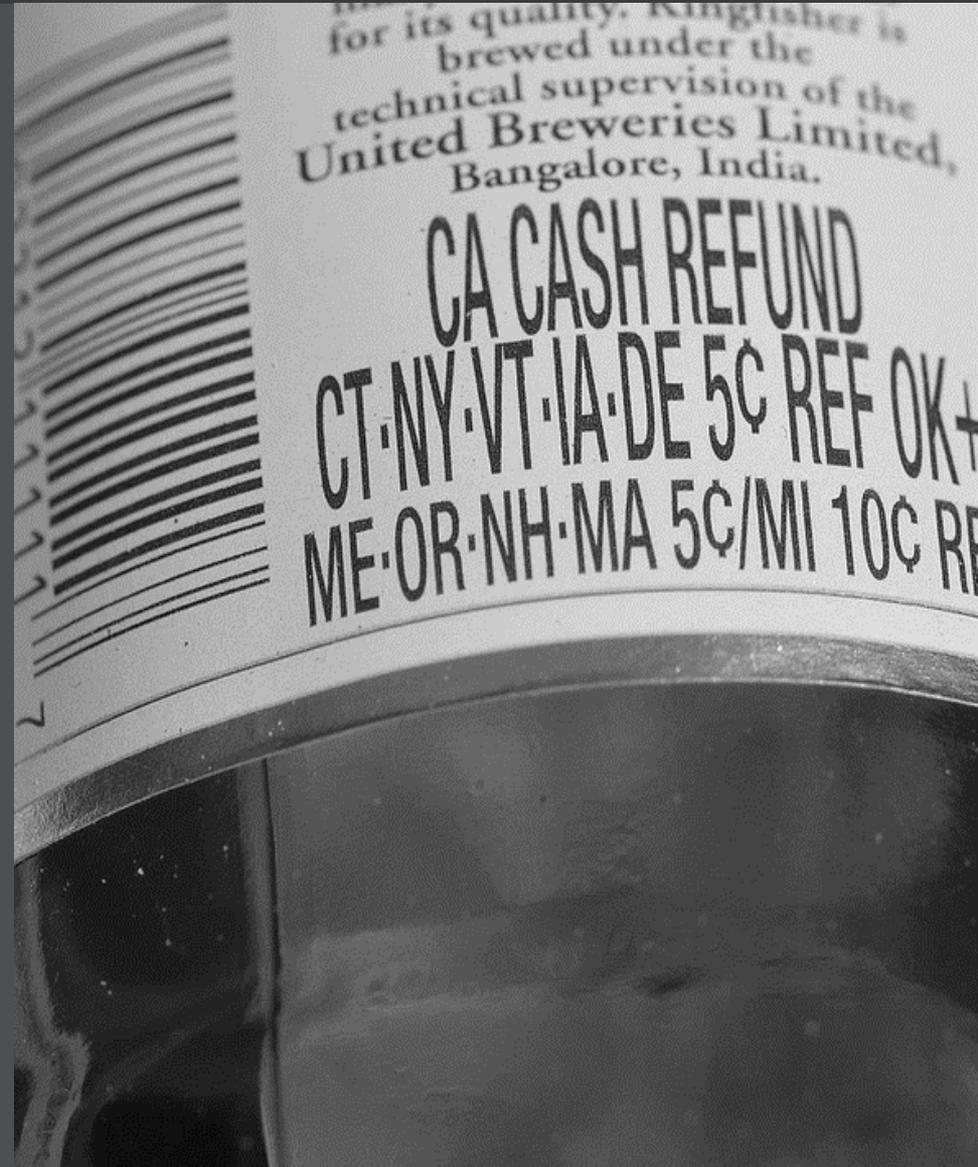
FUNDING RECYCLING IN THE US

Producer Responsibility

- EPR / Product Stewardship
- Bottle Bills

Outside Funding

- Grants
- Industry funds
- Investors





QUESTIONS AND DISCUSSION



NEXT STEPS

- Regulations in CO
- Details on potential funding options
- Diversion and economic modeling



QUESTIONS

- What does success look like for you?
- What is the one wish that you would make to help us solve the funding challenges in the County?



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