

CDPH&E Sterling Stakeholder Meeting



Date: February 25, 2016; 8am-1pm

Location: Northeastern 18 Public Golf Course, Sterling

Number Attending: 17 plus 2 representatives from CDPH&E, and 2 representatives from Skumatz Economic Research Associates, Inc. (SERA); Facilitated by Lisa Skumatz, SERA.

Communities Represented: Counties, Sedgwick, Kit Carson, Yuma, Washington, Logan, Morgan, Phillips; City / Town of Crook, Holyoke, Eckley, Brush, Sterling, Yuma, Fort Morgan, Burlington, Julesburg, Akron.

Sectors Represented: City officials / SWM staff. Hauler / collector. Disposal facility owners / operators. County officials / SWM staff. MRF owners / operators. Businesses involved in recycling or materials management. Planning agency / regional groups.

Overview: This group was not as large or diverse, in terms of sectors represented, as the previous meetings that took place in the Front Range regions. Their issues centered on the poor economics of diversion in the Sterling region including: lack of funding, low participation, high transportation costs, and poor end user market prices and general access. Stakeholders from this meeting were very concerned that if regionalization is accompanied by the closing of small “inadequate” landfills, then illegal dumping will become an even more serious issue. There were many complaints regarding CDPHE regulations, especially those that were designed for Front Range communities and tend to slow progress in the Sterling region rather than incentivizing improvement.

Voting Overview: According to the attending voters, the current disposal system is working extremely well, with a weighted average of 4.5 (1-5 scale; 5= very well), considering the local situation. Fewer thought the diversion system is working well with a weighted average of 2.9 for recycling, and only 2.4 for organics. For recycling, a basic drop-off center or Hub & Spoke was seen as the option having the most potential in this area, followed closely by an education program paired with basic ordinances, and an enhanced drop-off facility. Education on back yard composting (BYC) was by far the option selected with the most potential for improving organics diversion. Leaf / specialty organics events, and no organics programs were the next

1 Skumatz Economic Research Associates, Inc (SERA)

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most common options selected. Regarding what to do with non-adequate landfills, the most common response (34%) was to upgrade all / nearly all to continue as operating landfills. The second most common response (32%) was to allow old landfills to operate with regulations that were in place when they opened 15-20 years ago and grandfather them in, while holding new facilities to current standards.

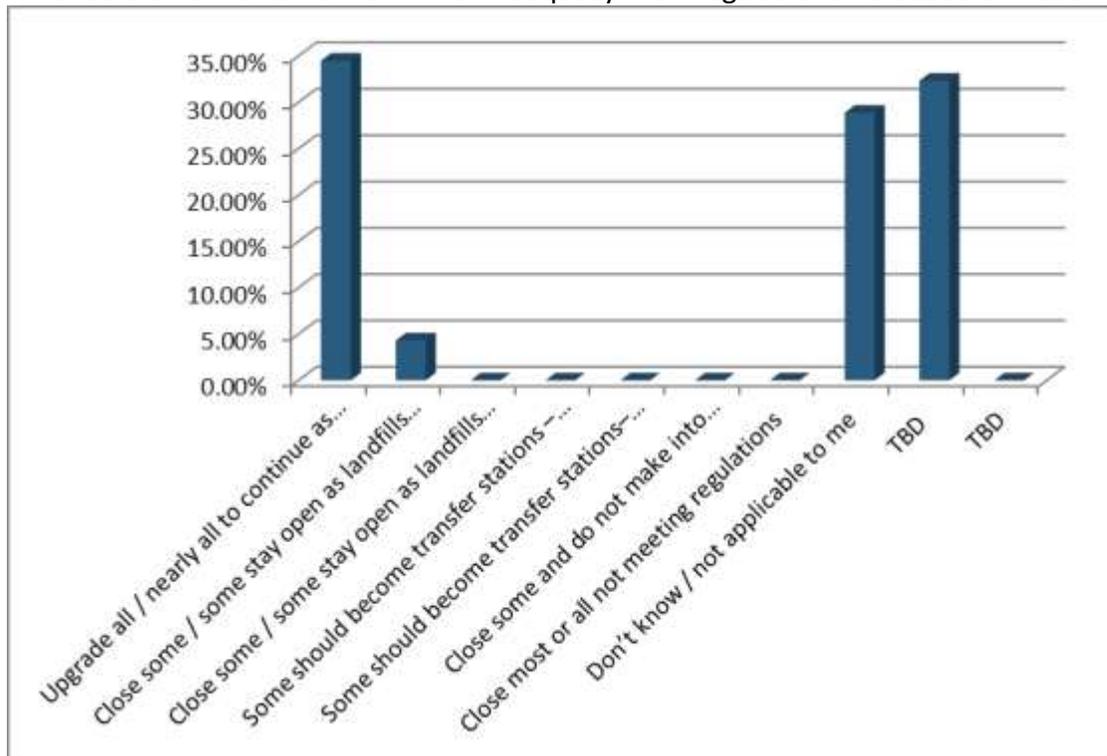
Select Voting Results

Figure 1. How well the disposal and recycling systems in the area are working now?

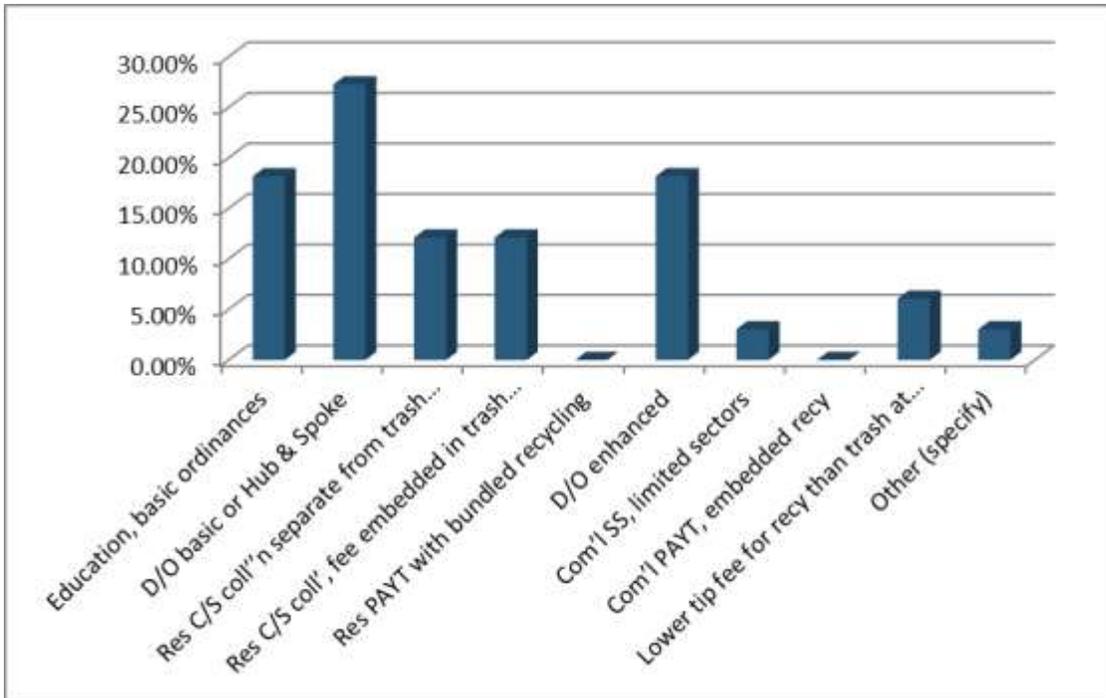
	Average score (1=not well at all; 5=working very well considering our area)	Percent responding don't know.
Disposal System	4.53	6.25%
Recycling / Composting system	2.88 / 2.46	0% / 26.67%

Responses to two questions were key as inputs to the work on the Integrated Materials Management Plan. The responses – regarding region-specific preferred options for non-compliance landfills, and recycling options with potential - are provided below. Additional voting responses are provided in Appendix A.

1. Should Small Landfills NOT in Full Adequacy with Regulations Be Closed or Retrofitted?



2. Which Recycling Options Have the Most Potential in Your Area?



Appendix A provides the results of each of the “voting” questions posed during the stakeholder meeting. Appendix B provides highlights of the “pre-meeting” survey.

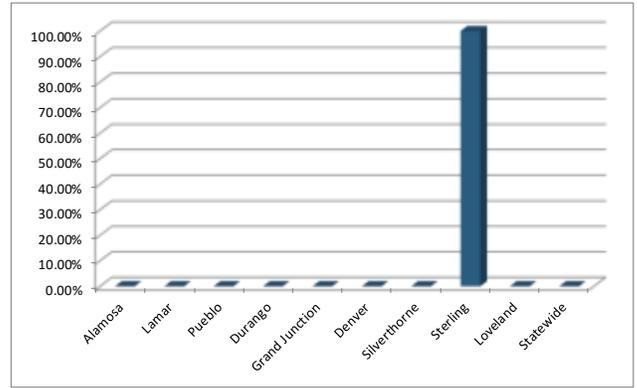
APPENDIX A –

CDPH&E Materials Management Stakeholders Meeting

Sterling Voting Results

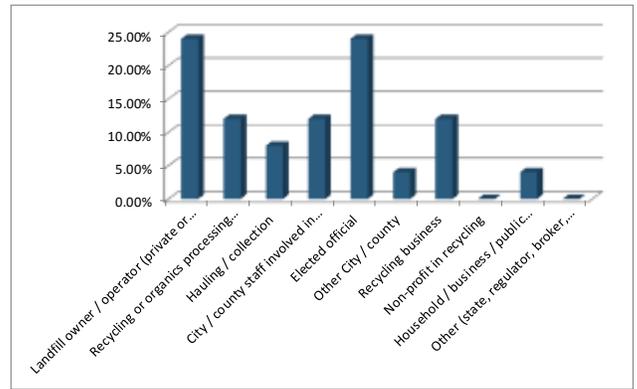
1. FEEDBACK 1A – Which area do you know the most about? (Multiple Choice - Multiple Response)

Responses		
	Percent	Count
Alamosa	0.00%	0
Lamar	0.00%	0
Pueblo	0.00%	0
Durango	0.00%	0
Grand Junction	0.00%	0
Denver	0.00%	0
Silverthorne	0.00%	0
Sterling	100.00%	16
Loveland	0.00%	0
Statewide	0.00%	0
Totals	100%	16



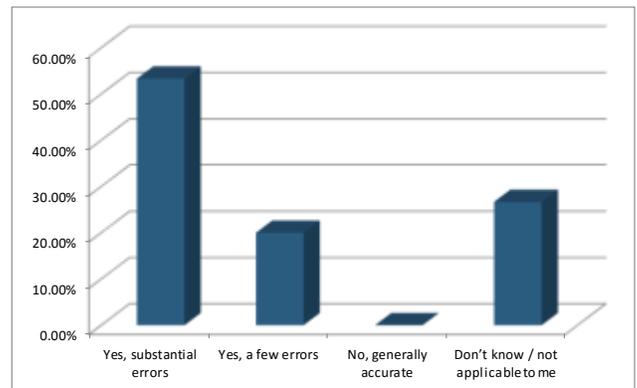
2. FEEDBACK 1B – Who is in the room? –Your PRIMARY SW responsibilities... (up to 2) (Multiple Choice - Multiple Response)

Responses		
	Percent	Count
Landfill owner / operator (private or city/county)	24.00%	6
Recycling or organics processing facility owner /operator	12.00%	3
Hauling / collection	8.00%	2
City / county staff involved in recycling / planning	12.00%	3
Elected official	24.00%	6
Other City / county	4.00%	1
Recycling business	12.00%	3
Non-profit in recycling	0.00%	0
Household / business / public "generator"	4.00%	1
Other (state, regulator, broker, clerks, consultant, other)	0.00%	0
Totals	100%	25



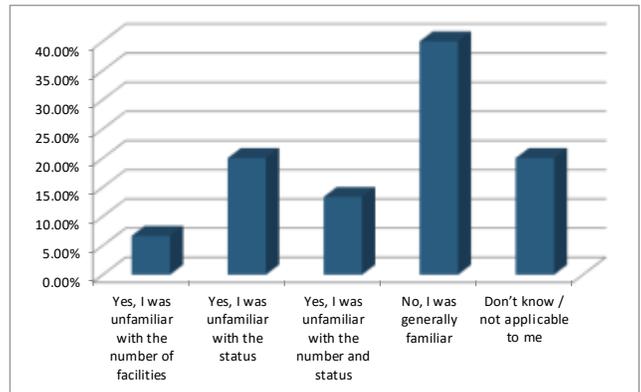
3. FEEDBACK 2 – Looking at LF MAP... Do you think the information on the map has errors? Correct errors in map at table / leave it behind with notes (Multiple Choice)

Responses		
	Percent	Count
Yes, substantial errors	53.33%	8
Yes, a few errors	20.00%	3
No, generally accurate	0.00%	0
Don't know / not applicable to me	26.67%	4
Totals	100%	15



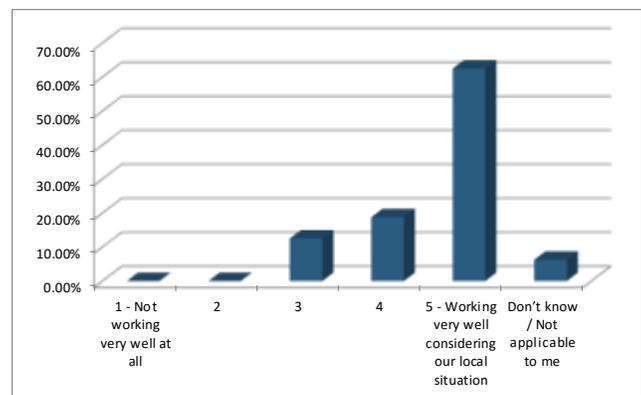
4. FEEDBACK 3 – Looking at LF MAP... Was the content of the LF map news to you / a surprise? (Multiple Choice)

Responses		
	Percent	Count
Yes, I was unfamiliar with the number of facilities	6.67%	1
Yes, I was unfamiliar with the status	20.00%	3
Yes, I was unfamiliar with the number and status	13.33%	2
No, I was generally familiar	40.00%	6
Don't know / not applicable to me	20.00%	3
Totals	100%	15



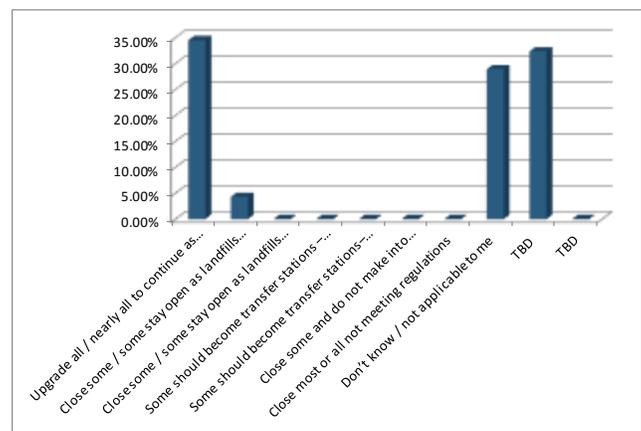
5. FEEDBACK 4 – Looking at LF MAP... How well is the current disposal system working? (Multiple Choice)

Responses		
	Percent	Count
1 - Not working very well at all	0.00%	0
2	0.00%	0
3	12.50%	2
4	18.75%	3
5 - Working very well considering our local situation	62.50%	10
Don't know / Not applicable to me	6.25%	1
Totals	100%	16



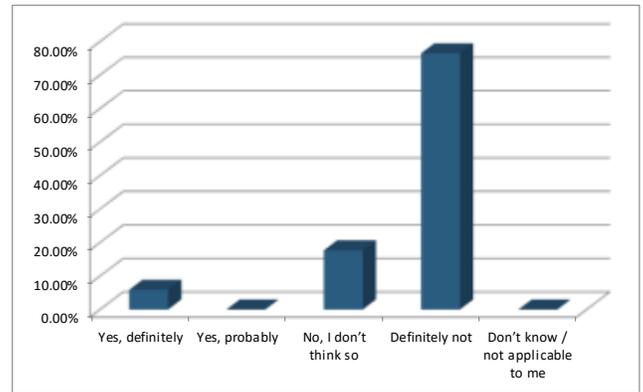
6. FEEDBACK 5 – Thinking about the landfills in your area... Should small landfills not in full adequacy with regulations be closed or retrofitted? (Up to 2 in order) (Priority Ranking)

Responses		
	Percent	Weighted Count
Upgrade all / nearly all to continue as operating landfills	34.48%	80
Close some / some stay open as landfills – choose which based mostly on location / convenience / access	4.31%	10
Close some / some stay open as landfills – choose which based mostly on cost	0.00%	0
Some should become transfer stations – choose which based mostly on location / convenience / access	0.00%	0
Some should become transfer stations– choose which based mostly on cost	0.00%	0
Close some and do not make into transfer stations	0.00%	0
Close most or all not meeting regulations	0.00%	0
Don't know / not applicable to me	28.88%	67
TBD	32.33%	75
TBD	0.00%	0
Totals	100%	232



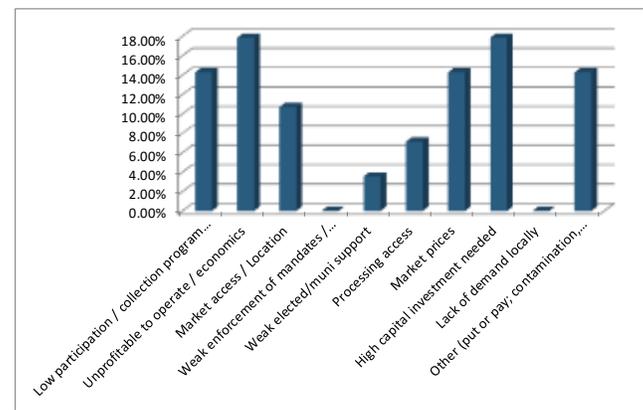
7. FEEDBACK 6 – Thinking about the landfills in your area... Would regionalization of landfilling make sense in your area? (Multiple Choice)

Responses		
	Percent	Count
Yes, definitely	5.88%	1
Yes, probably	0.00%	0
No, I don't think so	17.65%	3
Definitely not	76.47%	13
Don't know / not applicable to me	0.00%	0
Totals	100%	17



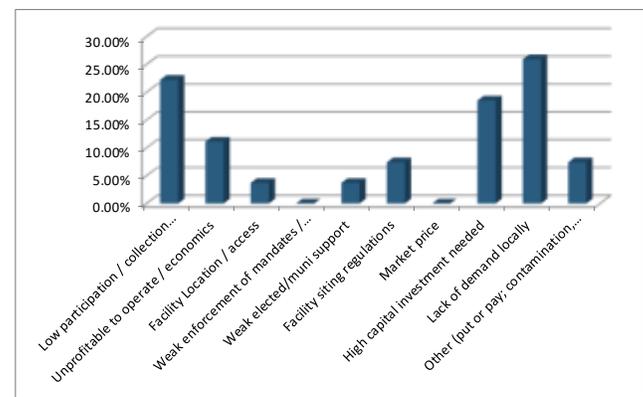
8. FEEDBACK 7A – Recycling Barriers to more recycling (2 most important) Other barriers – write in your “leave-behind” notebook (Multiple Choice - Multiple Response)

Responses		
	Percent	Count
Low participation / collection program weaknesses/lack of supply	14.29%	4
Unprofitable to operate / economics	17.86%	5
Market access / Location	10.71%	3
Weak enforcement of mandates / regulations	0.00%	0
Weak elected/muni support	3.57%	1
Processing access	7.14%	2
Market prices	14.29%	4
High capital investment needed	17.86%	5
Lack of demand locally	0.00%	0
Other (put or pay; contamination, permit issues, understanding of technology)	14.29%	4
Totals	100%	28



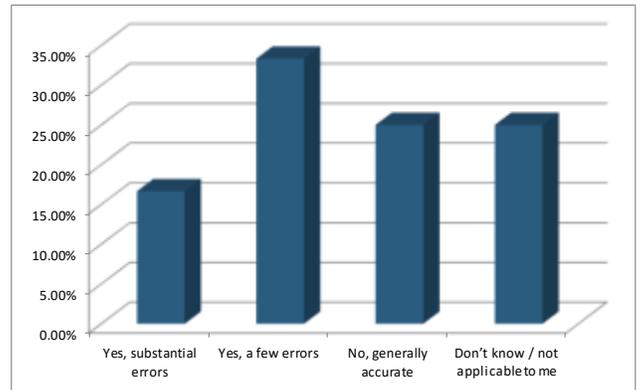
9. FEEDBACK 7B – Composting Barriers to more composting (2 most important) Other barriers – write in your “leave-behind” notebook (Multiple Choice - Multiple Response)

Responses		
	Percent	Count
Low participation / collection program weaknesses/lack of supply	22.22%	6
Unprofitable to operate / economics	11.11%	3
Facility Location / access	3.70%	1
Weak enforcement of mandates / regulations	0.00%	0
Weak elected/muni support	3.70%	1
Facility siting regulations	7.41%	2
Market price	0.00%	0
High capital investment needed	18.52%	5
Lack of demand locally	25.93%	7
Other (put or pay; contamination, permit issues, other)	7.41%	2
Totals	100%	27



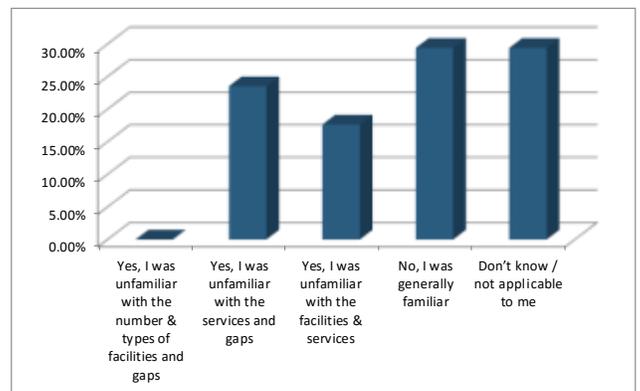
10. FEEDBACK 8 – Looking at all facilities map ... Do you think the DIVERSION information on the map has errors? (Multiple Choice)

Responses		
	Percent	Count
Yes, substantial errors	16.67%	2
Yes, a few errors	33.33%	4
No, generally accurate	25.00%	3
Don't know / not applicable to me	25.00%	3
Totals	100%	12



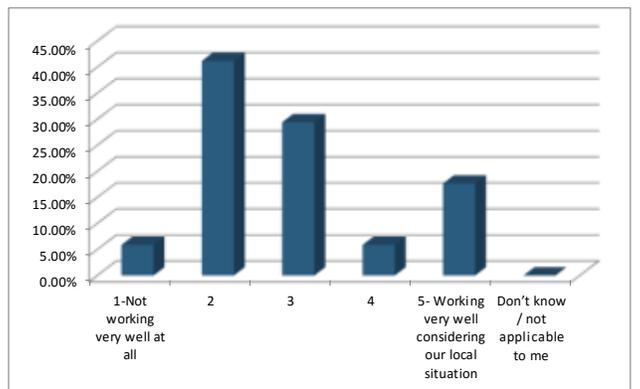
11. FEEDBACK 9 – Looking at all facilities map - Was the content of the DIVERSION information news to you / a surprise? (Multiple Choice)

Responses		
	Percent	Count
Yes, I was unfamiliar with the number & types of facilities and gaps	0.00%	0
Yes, I was unfamiliar with the services and gaps	23.53%	4
Yes, I was unfamiliar with the facilities & services	17.65%	3
No, I was generally familiar	29.41%	5
Don't know / not applicable to me	29.41%	5
Totals	100%	17



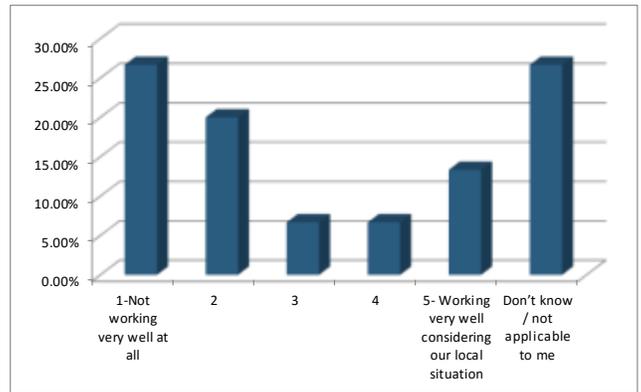
12. FEEDBACK 9B – Looking at all facilities map... How well is the current RECYCLING DIVERSION system working? (Multiple Choice)

Responses		
	Percent	Count
1-Not working very well at all	5.88%	1
2	41.18%	7
3	29.41%	5
4	5.88%	1
5- Working very well considering our local situation	17.65%	3
Don't know / not applicable to me	0.00%	0
Totals	100%	17



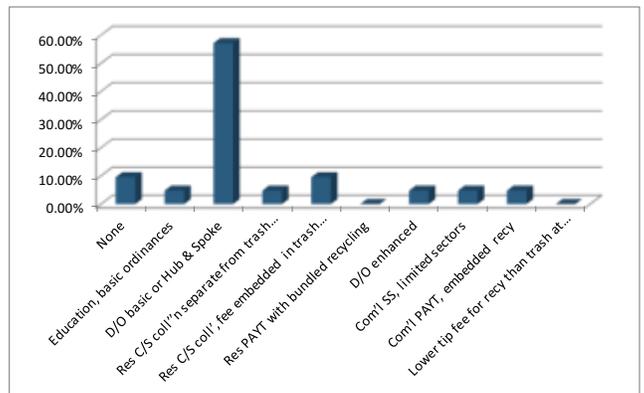
13. FEEDBACK 9C – Looking at all facilities map... How well is the current ORGANICS DIVERSION system working? (Multiple Choice)

Responses		
	Percent	Count
1-Not working very well at all	26.67%	4
2	20.00%	3
3	6.67%	1
4	6.67%	1
5- Working very well considering our local situation	13.33%	2
Don't know / not applicable to me	26.67%	4
Totals	100%	15



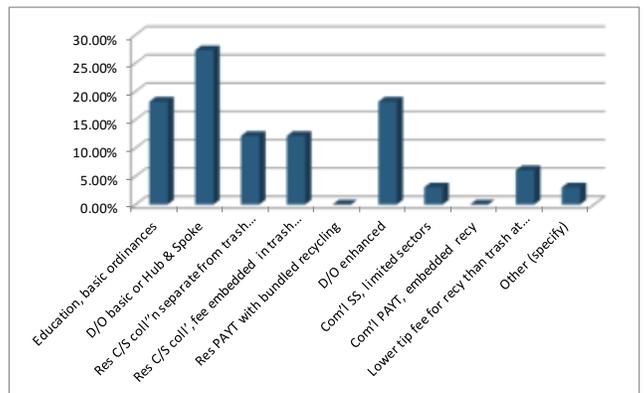
14. FEEDBACK 10A: Which Recy Options Are In Place In Your Area? (Check all that Apply) (Priority Ranking)

Responses		
	Percent	Weighted Count
None	9.52%	2
Education, basic ordinances	4.76%	1
D/O basic or Hub & Spoke	57.14%	12
Res C/S coll'n separate from trash (for a fee; voluntary)	4.76%	1
Res C/S coll', fee embedded in trash bill	9.52%	2
Res PAYT with bundled recycling	0.00%	0
D/O enhanced	4.76%	1
Com'l SS, limited sectors	4.76%	1
Com'l PAYT, embedded recy	4.76%	1
Lower tip fee for recy than trash at Landfill or Recycling facility	0.00%	0
Totals	100%	21



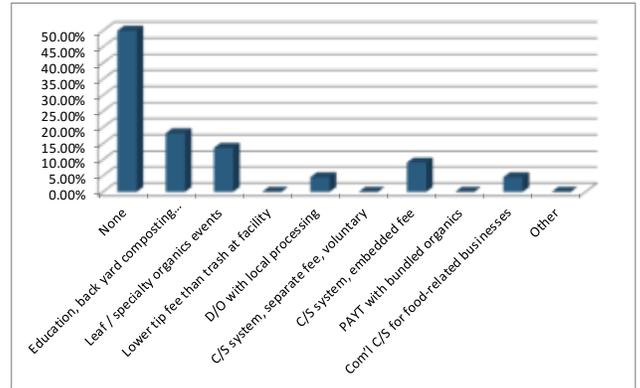
15. FEEDBACK 11A: Which Recy Options Have Potential in your Area? (Check up to 3) (Priority Ranking)

Responses		
	Percent	Weighted Count
Education, basic ordinances	18.18%	6
D/O basic or Hub & Spoke	27.27%	9
Res C/S coll'n separate from trash (for a fee; voluntary)	12.12%	4
Res C/S coll', fee embedded in trash bill	12.12%	4
Res PAYT with bundled recycling	0.00%	0
D/O enhanced	18.18%	6
Com'l SS, limited sectors	3.03%	1
Com'l PAYT, embedded recy	0.00%	0
Lower tip fee for recy than trash at Landfill or Recycling facility	6.06%	2
Other (specify)	3.03%	1
Totals	100%	33



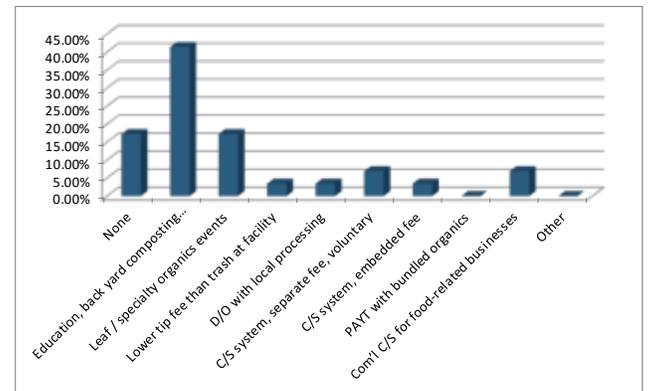
16. FEEDBACK 10B: Which Organics Options Are In Place In Your Area? (mark all that apply) (Priority Ranking)

	Responses	
	Percent	Weighted Count
None	50.00%	11
Education, back yard composting (BYC)	18.18%	4
Leaf / specialty organics events	13.64%	3
Lower tip fee than trash at facility	0.00%	0
D/O with local processing	4.55%	1
C/S system, separate fee, voluntary	0.00%	0
C/S system, embedded fee	9.09%	2
PAYT with bundled organics	0.00%	0
Com'l C/S for food-related businesses	4.55%	1
Other	0.00%	0
Totals	100%	22



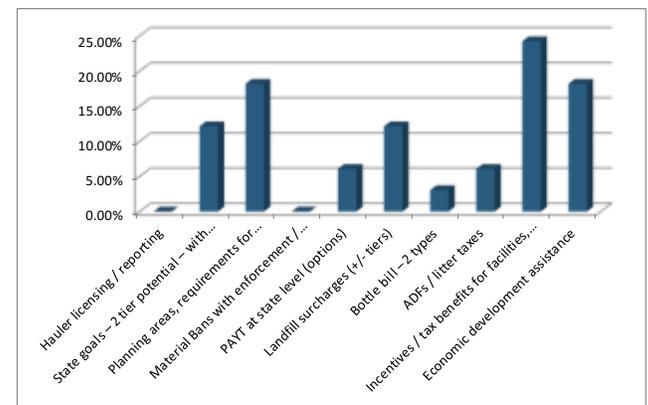
17. FEEDBACK 11B: Which Organics Options Have Potential in Your Area? (mark up to 3) (Priority Ranking)

	Responses	
	Percent	Weighted Count
None	17.24%	5
Education, back yard composting (BYC)	41.38%	12
Leaf / specialty organics events	17.24%	5
Lower tip fee than trash at facility	3.45%	1
D/O with local processing	3.45%	1
C/S system, separate fee, voluntary	6.90%	2
C/S system, embedded fee	3.45%	1
PAYT with bundled organics	0.00%	0
Com'l C/S for food-related businesses	6.90%	2
Other	0.00%	0
Totals	100%	29



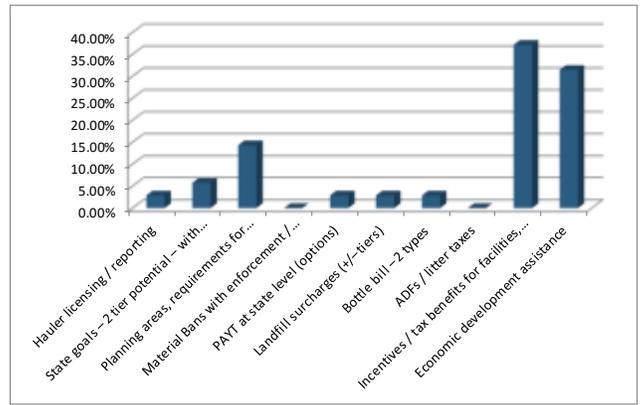
18. FEEDBACK 13A – Strategies best suited to WORK for your area – (vote for 3) (Multiple Choice - Multiple Response)

	Responses	
	Percent	Count
Hauler licensing / reporting	0.00%	0
State goals – 2 tier potential – with measurement	12.12%	4
Planning areas, requirements for plans with authorization for funding; LF assist; Enforcement & measurement	18.18%	6
Material Bans with enforcement / inspection	0.00%	0
PAYT at state level (options)	6.06%	2
Landfill surcharges (+/- tiers)	12.12%	4
Bottle bill – 2 types	3.03%	1
ADFs / litter taxes	6.06%	2
Incentives / tax benefits for facilities, for co-location	24.24%	8
Economic development assistance	18.18%	6
Totals	100%	33



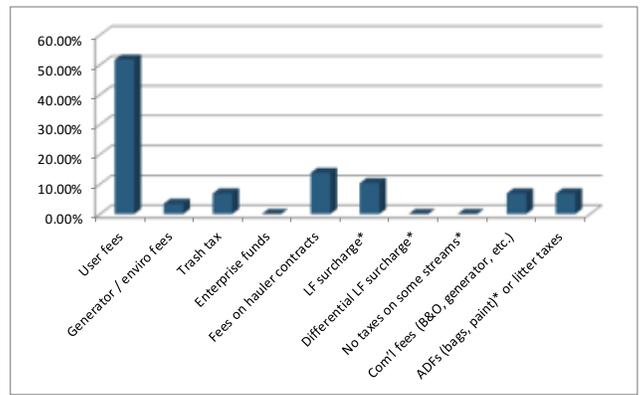
19. FEEDBACK 14A– Strategies most likely to get SUPPORT in your area – (vote for 3) (Multiple Choice - Multiple Response)

	Responses	
	Percent	Count
Hauler licensing / reporting	2.86%	1
State goals – 2 tier potential – with measurement	5.71%	2
Planning areas, requirements for plans with authorization for funding; LF assist; Enforcement & measurement	14.29%	5
Material Bans with enforcement / inspection	0.00%	0
PAYT at state level (options)	2.86%	1
Landfill surcharges (+/- tiers)	2.86%	1
Bottle bill – 2 types	2.86%	1
ADFs / litter taxes	0.00%	0
Incentives / tax benefits for facilities, for co-location	37.14%	13
Economic development assistance	31.43%	11
Totals	100%	35



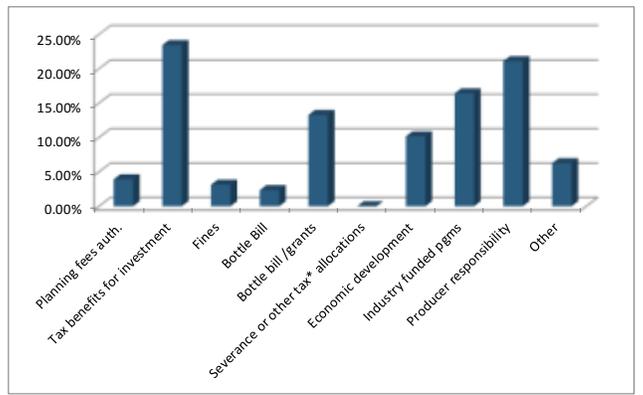
20. FEEDBACK 15A – Funding Options already in place locally (vote for 3) (Multiple Choice - Multiple Response)

	Responses	
	Percent	Count
User fees	51.72%	15
Generator / enviro fees	3.45%	1
Trash tax	6.90%	2
Enterprise funds	0.00%	0
Fees on hauler contracts	13.79%	4
LF surcharge*	10.34%	3
Differential LF surcharge*	0.00%	0
No taxes on some streams*	0.00%	0
Com'l fees (B&O, generator, etc.)	6.90%	2
ADFs (bags, paint)* or litter taxes	6.90%	2
Totals	100%	29



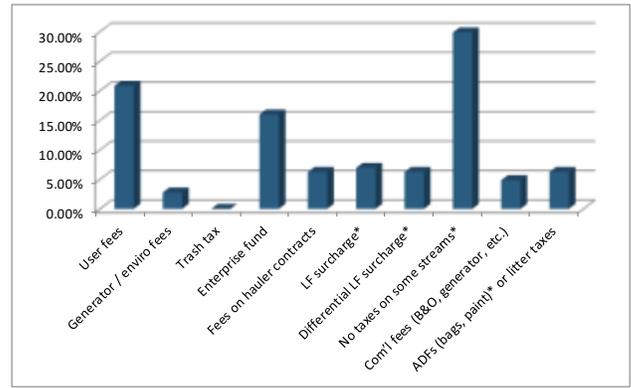
21. FEEDBACK 17A– Other funding options you'd be in favor of (up to 3 in order of support) (Priority Ranking)

	Responses	
	Percent	Weighted Count
Planning fees auth.	3.91%	5
Tax benefits for investment	23.44%	30
Fines	3.13%	4
Bottle Bill	2.34%	3
Bottle bill /grants	13.28%	17
Severance or other tax* allocations	0.00%	0
Economic development	10.16%	13
Industry funded pgms	16.41%	21
Producer responsibility	21.09%	27
Other	6.25%	8
Totals	100%	128



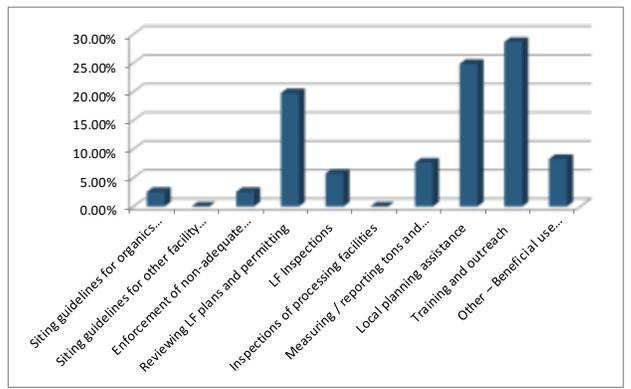
22. FEEDBACK 16A – Most likely “Next” local funding options to get SUPPORT (up to 3 in order of support) (Priority Ranking)

	Responses	
	Percent	Weighted Count
User fees	20.83%	30
Generator / enviro fees	2.78%	4
Trash tax	0.00%	0
Enterprise fund	15.97%	23
Fees on hauler contracts	6.25%	9
LF surcharge*	6.94%	10
Differential LF surcharge*	6.25%	9
No taxes on some streams*	29.86%	43
Com'l fees (B&O, generator, etc.)	4.86%	7
ADFs (bags, paint)* or litter taxes	6.25%	9
Totals	100%	144



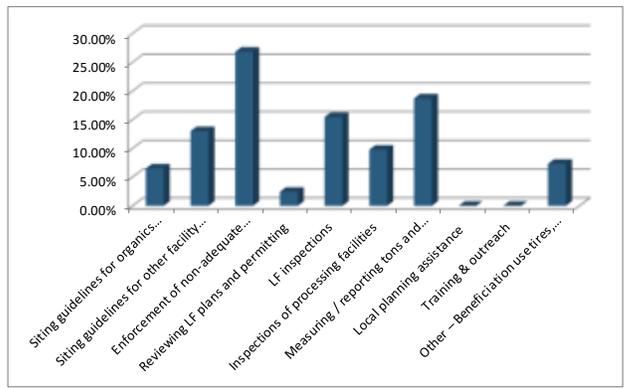
23. FEEDBACK 18 –What are the top 3 things you think the state should do MORE of? – (Click 3 answers in ORDER most important to least) (Priority Ranking)

	Responses	
	Percent	Weighted Count
Siting guidelines for organics clarified / released	2.55%	4
Siting guidelines for other facility types	0.00%	0
Enforcement of non-adequate landfills	2.55%	4
Reviewing LF plans and permitting	19.75%	31
LF Inspections	5.73%	9
Inspections of processing facilities	0.00%	0
Measuring / reporting tons and activities	7.64%	12
Local planning assistance	24.84%	39
Training and outreach	28.66%	45
Other – Beneficial use permit/overs; tires, paint, pharma, HHW	8.28%	13
Totals	100%	157



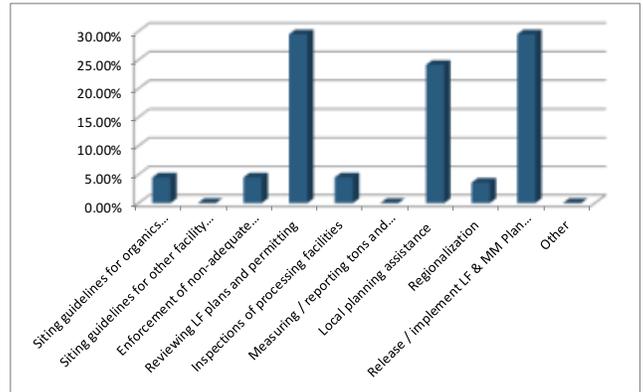
24. FEEDBACK 19 –What are the top 3 things you think the state should do LESS of? – (Click 3 answers in ORDER most important to least) (Priority Ranking)

	Responses	
	Percent	Weighted Count
Siting guidelines for organics clarified / released	6.50%	8
Siting guidelines for other facility types	13.01%	16
Enforcement of non-adequate landfills	26.83%	33
Reviewing LF plans and permitting	2.44%	3
LF inspections	15.45%	19
Inspections of processing facilities	9.76%	12
Measuring / reporting tons and activities	18.70%	23
Local planning assistance	0.00%	0
Training & outreach	0.00%	0
Other – Beneficiation use tires, paint, pharma, HHW	7.32%	9
Totals	100%	123



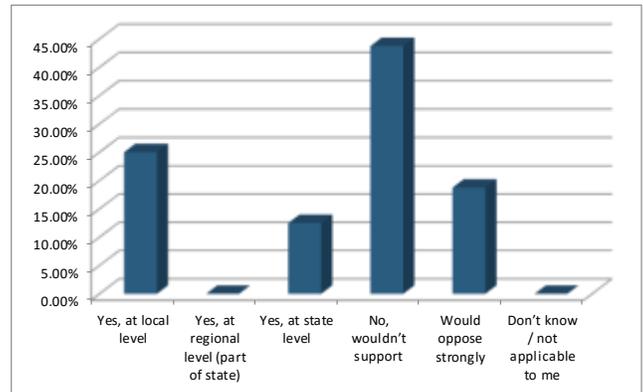
25. FEEDBACK 20 –What are the top 3 things you think the state should do SOON? – (Click 3 answers in ORDER most important to least) (Priority Ranking)

	Responses	
	Percent	Weighted Count
Siting guidelines for organics clarified / released	4.46%	5
Siting guidelines for other facility types	0.00%	0
Enforcement of non-adequate landfills	4.46%	5
Reviewing LF plans and permitting	29.46%	33
Inspections of processing facilities	4.46%	5
Measuring / reporting tons and activities	0.00%	0
Local planning assistance	24.11%	27
Regionalization	3.57%	4
Release / implement LF & MM Plan & regs / funding	29.46%	33
Other	0.00%	0
Totals	100%	112



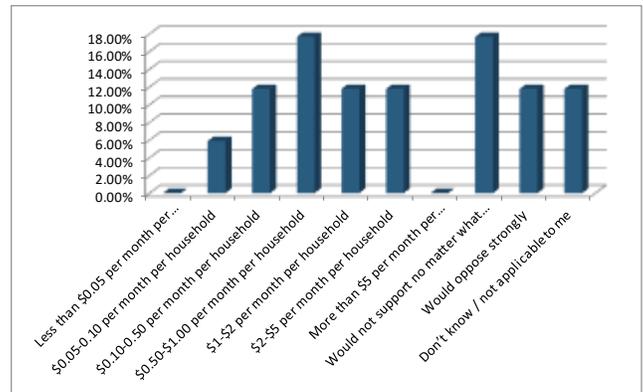
26. FEEDBACK 21A –Would you support a “trash tax” or “generator fee” to help support solid waste management planning? (Multiple Choice)

	Responses	
	Percent	Count
Yes, at local level	25.00%	4
Yes, at regional level (part of state)	0.00%	0
Yes, at state level	12.50%	2
No, wouldn't support	43.75%	7
Would oppose strongly	18.75%	3
Don't know / not applicable to me	0.00%	0
Totals	100%	16



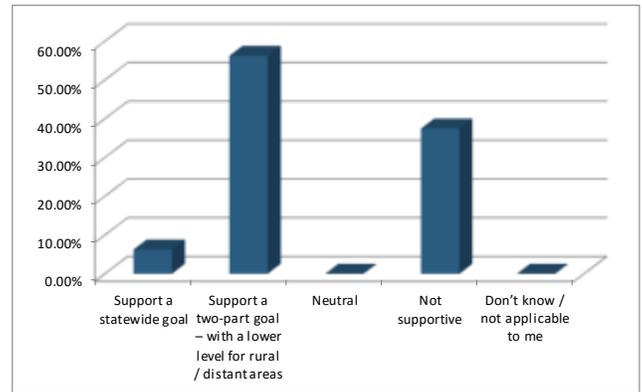
27. FEEDBACK 21B –If a trash tax or “generator fee” were introduced, what dollar amount should it be? (Multiple Choice)

	Responses	
	Percent	Count
Less than \$0.05 per month per household	0.00%	0
\$0.05-0.10 per month per household	5.88%	1
\$0.10-0.50 per month per household	11.76%	2
\$0.50-\$1.00 per month per household	17.65%	3
\$1-\$2 per month per household	11.76%	2
\$2-\$5 per month per household	11.76%	2
More than \$5 per month per household	0.00%	0
Would not support no matter what level	17.65%	3
Would oppose strongly	11.76%	2
Don't know / not applicable to me	11.76%	2
Totals	100%	17



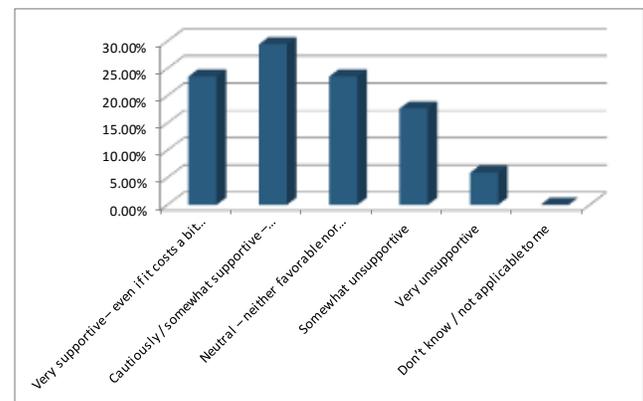
28. FEEDBACK 22 – How supportive are YOU for the State to establish a recycling goal? (Multiple Choice)

Responses		
	Percent	Count
Support a statewide goal	6.25%	1
Support a two-part goal – with a lower level for rural / distant areas	56.25%	9
Neutral	0.00%	0
Not supportive	37.50%	6
Don't know / not applicable to me	0.00%	0
Totals	100%	16



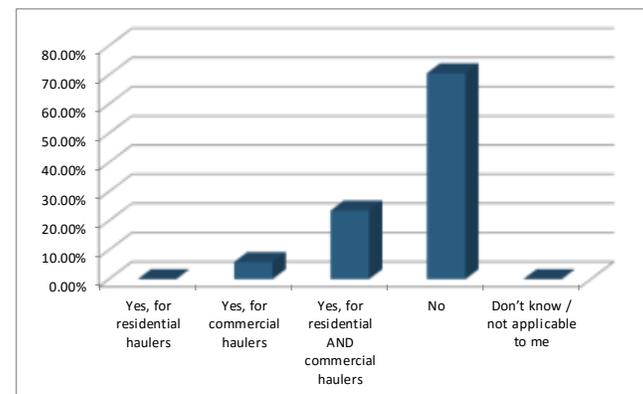
29. FEEDBACK 23 – How supportive are your decision-makers of more recycling in your community – given your local economics? (Multiple Choice)

Responses		
	Percent	Count
Very supportive – even if it costs a bit more	23.53%	4
Cautiously / somewhat supportive – if it doesn't pencil out too badly	29.41%	5
Neutral – neither favorable nor unfavorable – it is all about the economics	23.53%	4
Somewhat unsupportive	17.65%	3
Very unsupportive	5.88%	1
Don't know / not applicable to me	0.00%	0
Totals	100%	17



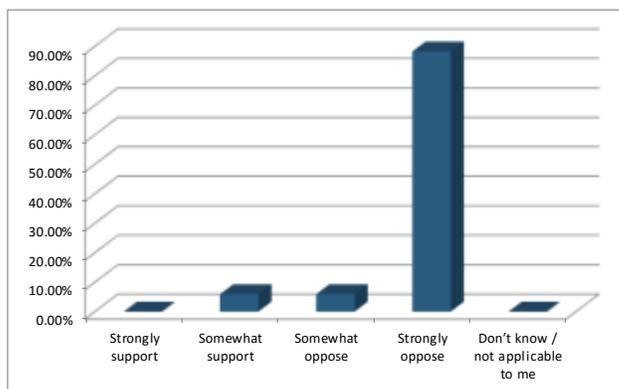
30. FEEDBACK 24 –Would you find it acceptable to have hauler licensing, require tonnage reporting, and report back to you on diversion, and disposed tons? (Multiple Choice)

Responses		
	Percent	Count
Yes, for residential haulers	0.00%	0
Yes, for commercial haulers	5.88%	1
Yes, for residential AND commercial haulers	23.53%	4
No	70.59%	12
Don't know / not applicable to me	0.00%	0
Totals	100%	17



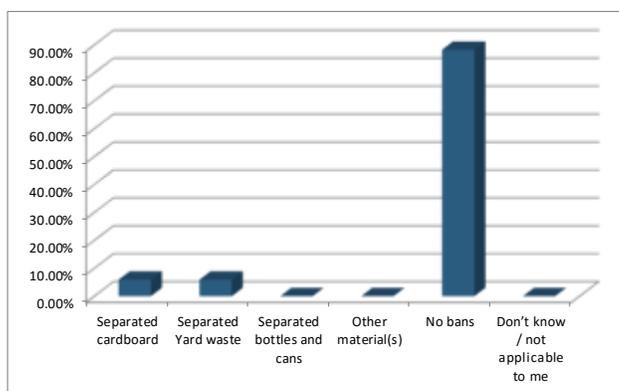
31. FEEDBACK 25 –Do you support the State considering introducing regional planning areas (adjoining counties, watersheds) for solid waste management planning? (Multiple Choice)

Responses		
	Percent	Count
Strongly support	0.00%	0
Somewhat support	5.88%	1
Somewhat oppose	5.88%	1
Strongly oppose	88.24%	15
Don't know / not applicable to me	0.00%	0
Totals	100%	17



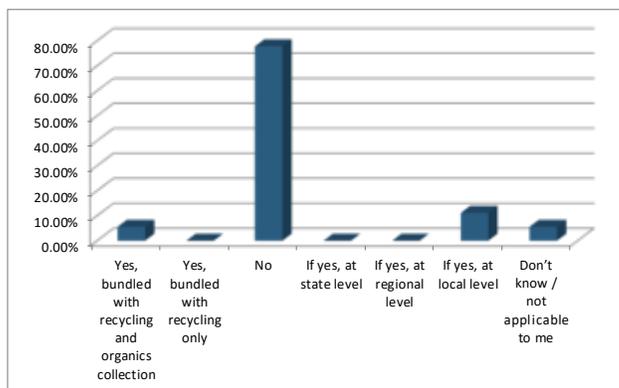
32. FEEDBACK 26 – Should the State consider BANNING any of these materials from disposal? (Multiple Choice - Multiple Response)

Responses		
	Percent	Count
Separated cardboard	5.88%	1
Separated Yard waste	5.88%	1
Separated bottles and cans	0.00%	0
Other material(s)	0.00%	0
No bans	88.24%	15
Don't know / not applicable to me	0.00%	0
Totals	100%	17



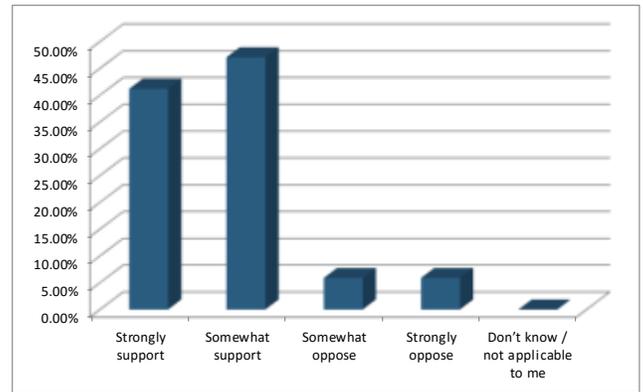
33. FEEDBACK 27 –Would your community support PAYT-type rate incentives for trash bundled with recycling options? (vote for two, if voting yes) (Multiple Choice - Multiple Response)

Responses		
	Percent	Count
Yes, bundled with recycling and organics collection	5.56%	1
Yes, bundled with recycling only	0.00%	0
No	77.78%	14
If yes, at state level	0.00%	0
If yes, at regional level	0.00%	0
If yes, at local level	11.11%	2
Don't know / not applicable to me	5.56%	1
Totals	100%	18



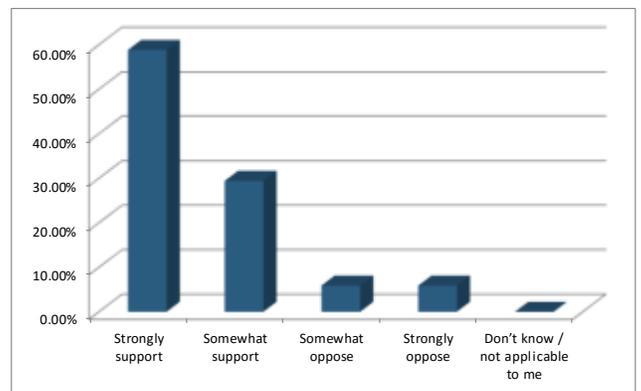
34. FEEDBACK 28 – Thinking about feasible recycling options in your area... Would you support consideration of Hub and Spoke in this area? (Multiple Choice)

Responses		
	Percent	Count
Strongly support	41.18%	7
Somewhat support	47.06%	8
Somewhat oppose	5.88%	1
Strongly oppose	5.88%	1
Don't know / not applicable to me	0.00%	0
Totals	100%	17



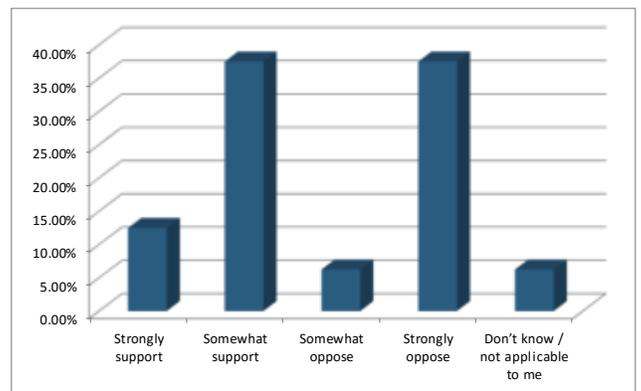
35. FEEDBACK 30A – Do you think (Waste-to-Energy) WTE or similar technologies would be supported in this area? (Multiple Choice)

Responses		
	Percent	Count
Strongly support	58.82%	10
Somewhat support	29.41%	5
Somewhat oppose	5.88%	1
Strongly oppose	5.88%	1
Don't know / not applicable to me	0.00%	0
Totals	100%	17



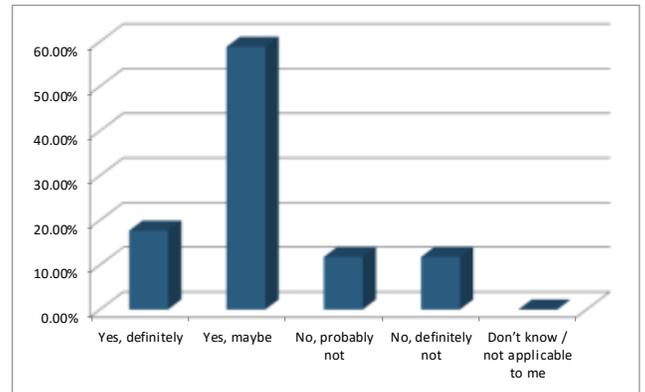
36. FEEDBACK 30B – Do you think a Dirty MRF or similar technologies would be supported in this area? (Multiple Choice)

Responses		
	Percent	Count
Strongly support	12.50%	2
Somewhat support	37.50%	6
Somewhat oppose	6.25%	1
Strongly oppose	37.50%	6
Don't know / not applicable to me	6.25%	1
Totals	100%	16



37. FEEDBACK 31 – Do you think YOUR county's Economic Development Dep't could be useful in improving recycling environment? (Multiple Choice)

Responses		
	Percent	Count
Yes, definitely	17.65%	3
Yes, maybe	58.82%	10
No, probably not	11.76%	2
No, definitely not	11.76%	2
Don't know / not applicable to me	0.00%	0
Totals	100%	17



APPENDIX B-

CDPH&E Materials Management

Sterling Pre-Meeting Survey Results

Q2 How many years have you (worked in / been part) of Waste / Recycling / Materials Management?

Answered: 3 Skipped: 4

Answer Choices	Responses
2 (2)	33% 1
4 (4)	33% 1
10 (10)	33% 1
Total	3

Basic Statistics				
Minimum	Maximum	Median	Mean	Standard Deviation
2.00	10.00	4.00	5.33	3.40

Q3 How many years have you (worked in / been part) of Waste / Recycling / Materials Management IN COLORADO?

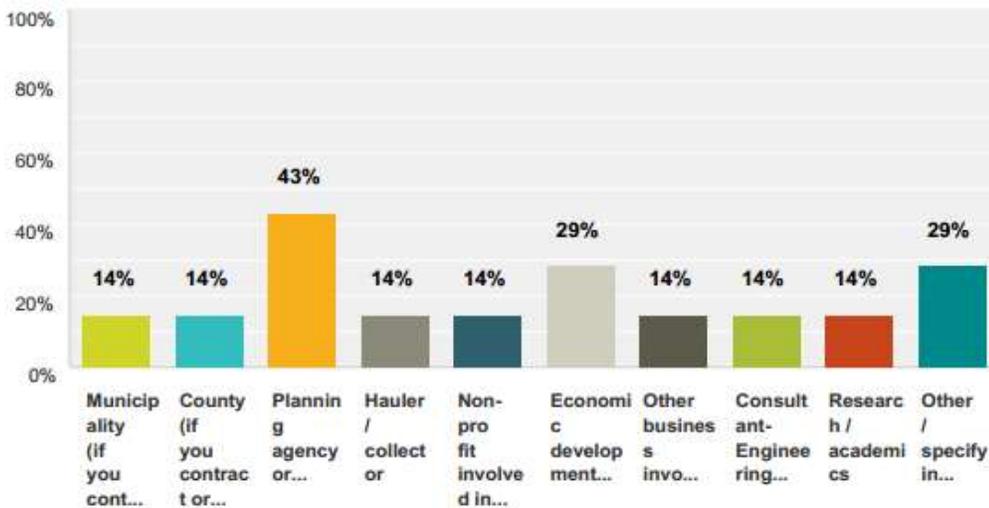
Answered: 3 Skipped: 4

Answer Choices	Responses
2 (2)	33% 1
4 (4)	33% 1
10 (10)	33% 1
Total	3

Basic Statistics				
Minimum	Maximum	Median	Mean	Standard Deviation
2.00	10.00	4.00	5.33	3.40

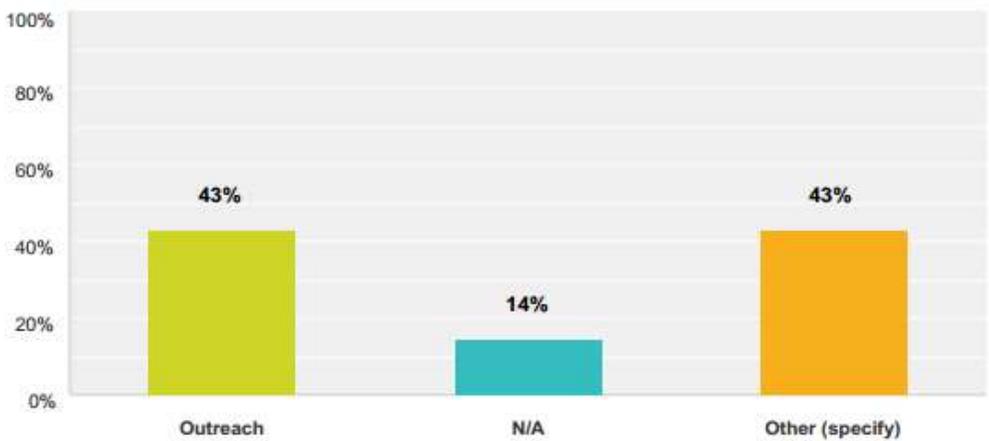
Q4 Which of the following best describes your (or your company's) role in solid waste (check all that apply):

Answered: 7 Skipped: 0



Q5 Which of the following services do you provide? (check all that apply)

Answered: 7 Skipped: 0



Q7 We are asking specifics about programs and facilities in the waste shed areas. Which subareas are you most knowledgeable about and will use to answer this survey? (you may choose more than one)

Answered: 7 Skipped: 0

Answer Choices	Responses	
City- Please list City / CitiesName(s).	71.43%	5
County - Please list County Name.	85.71%	6
Waste shed / Region- Please describe.	71.43%	5
Other- Please list Name and Area.	14.29%	1

**Q9 Please list which of these are available
in your area (the one you listed above)?
(check all that apply)**

	In City / Town	In County	Other	Not Available	Total Respondents
Residential trash collection	71% 5	71% 5	0% 0	0% 0	7
Residential recycling collection	60% 3	0% 0	0% 0	40% 2	5
Residential composting collection	25% 1	0% 0	0% 0	75% 3	4
Drop off recycling	60% 3	0% 0	0% 0	40% 2	5
Drop off composting	25% 1	0% 0	0% 0	75% 3	4
Commercial trash collection	60% 3	40% 2	0% 0	20% 1	5
Commercial recycling collection	20% 1	0% 0	0% 0	80% 4	5
Commercial composting collection	0% 0	0% 0	0% 0	100% 4	4
C&D services	33% 1	33% 1	0% 0	67% 2	3
Transfer Station	0% 0	80% 4	0% 0	20% 1	5
Recycling Processing (MRF)	0% 0	0% 0	0% 0	100% 4	4
Compost Processing	0% 0	0% 0	0% 0	100% 4	4
Outreach	20% 1	20% 1	20% 1	40% 2	5
Hazardous waste materials site	0% 0	0% 0	0% 0	100% 4	4
Hazardous waste events	0% 0	0% 0	0% 0	100% 4	4
Electronics collection events	25% 1	0% 0	0% 0	75% 3	4
Require space for recycling	33% 1	0% 0	0% 0	67% 2	3
Recycling Material Bans / Mandates	25% 1	0% 0	0% 0	75% 3	4
Composting Materials Bans / Mandates	0% 0	0% 0	0% 0	100% 4	4
Commercial Recycling Requirement	0% 0	0% 0	0% 0	100% 4	4
Commercial Composting / Green Waste Requirements	0% 0	0% 0	0% 0	100% 4	4
Hub & Spoke Programs	0% 0	0% 0	50% 2	50% 2	4
Residential PAYT	0% 0	0% 0	0% 0	100% 3	3
Commercial PAYT (recycling included in rates)	0% 0	0% 0	0% 0	100% 3	3

Q10 If available- Who provides the following in your area?

Answered: 7 Skipped: 0

	Residential curbside trash collection	Residential curbside recycling collection	Residential yard / green waste collection	Total Respondents
Open subscriptions	67% 2	33% 1	0% 0	3
City staff	33% 1	0% 0	67% 2	3
County staff	0% 0	0% 0	0% 0	0
Contract Hauler(s)	100% 5	0% 0	0% 0	5
Other	0% 0	100% 1	0% 0	1

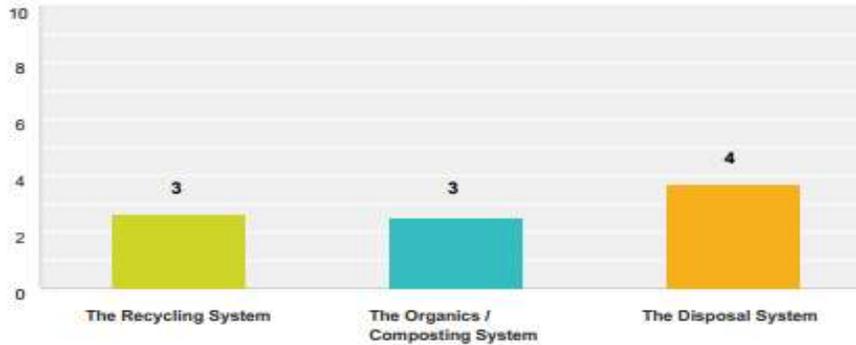
Q11 If known, please list your area's...

Answered: 3 Skipped: 4

Answer Choices	Responses
Current Residential Recycling Rate.	33.33% 1
Current Residential Organics / Compost Rate.	0.00% 0
Current Residential Curbside Trash Fee and what it includes.	66.67% 2

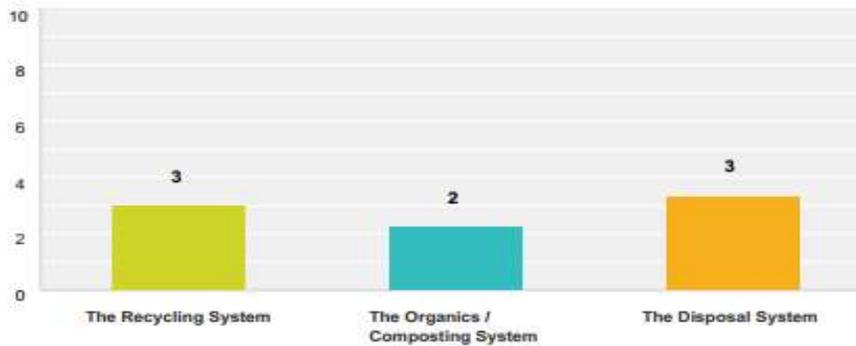
Q12 How well do you think each of the following is working in your area? (1= not well; 5= very well)

Answered: 6 Skipped: 1



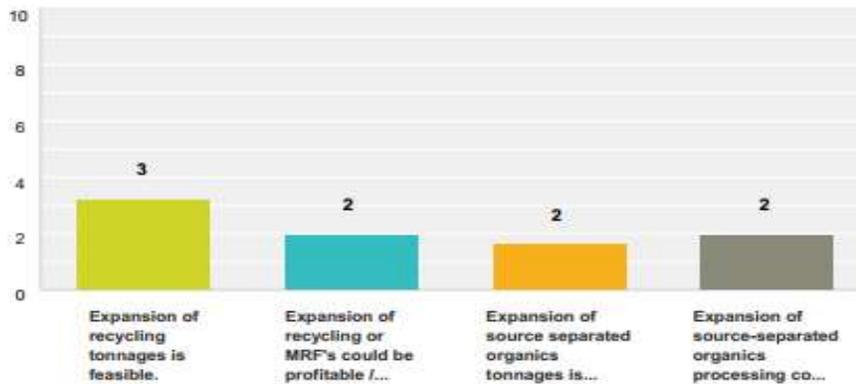
Q13 How satisfied are you with each of the following in your area? (1= not at all; 5= very satisfied)

Answered: 6 Skipped: 1



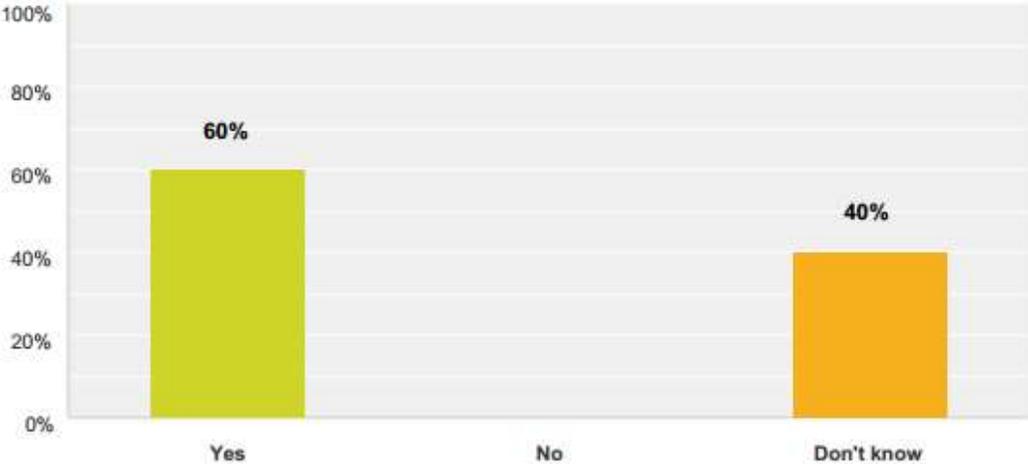
Q14 Please rank the following for your area; 1=Disagree strongly; 5=Agree strongly

Answered: 5 Skipped: 2



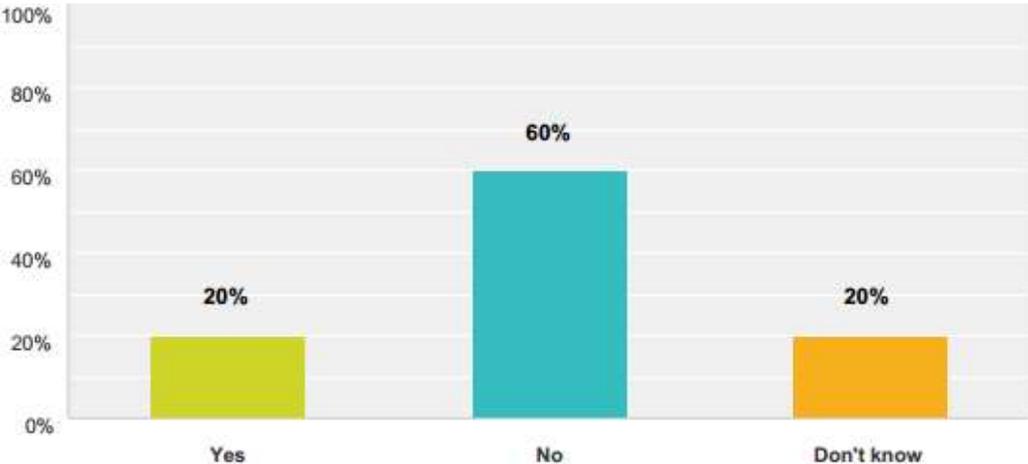
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Q15 Have you ever considered Hub & Spoke?



Q16 Have you ever considered Waste-to-Energy or some variation?

Answered: 5 Skipped: 2



Q17 What are the most important barriers that constrain you / your company from expanding recycling or composting – or the expansion of recycling / composting facilities? (check the top 3 for recycling and top 3 for composting)

Answered: 4 Skipped: 3

	RECYCLING	ORGANICS	Total Respondents
Lack of material supply	0% 0	100% 1	1
Low participation / collection program weaknesses	100% 2	0% 0	2
Poor enforcement of mandates / regulations	0% 0	0% 0	0
Insufficient municipal commitment to diversion programs	100% 1	0% 0	1
Waste committed to flow to specific facilities or put-or-pay agreements	0% 0	0% 0	0
Contamination of incoming materials	0% 0	100% 1	1
High capital cost / lack of financing	100% 2	100% 2	2
Poor operational economics / profitability (why / detail in "other")	0% 0	0% 0	0
Permitting	0% 0	0% 0	0
Siting barriers	0% 0	0% 0	0
Competitive pressures (explain in "other")	0% 0	0% 0	0
Insufficient understanding of technologies	0% 0	0% 0	0
Markets – access	0% 0	0% 0	0
Insufficient demand / pricing for products (e.g. baled recyclables, compost, biogas, etc.)	100% 1	100% 1	1
Profitability issues	33% 1	100% 3	3
Identifying programs / services	0% 0	0% 0	0
Service quality	0% 0	0% 0	0
Illegal dumping	100% 2	50% 1	2
Low landfill prices	0% 0	0% 0	0
Lack of demand locally for product	0% 0	0% 0	0
Other (specify)	100% 1	100% 1	1

Q26 What are your top three market development needs?

Answered: 0 Skipped: 7

Answer Choices	Responses
1.	0.00% 0
2.	0.00% 0
3.	0.00% 0

Q27 If commodity prices stay low; will your recycling programs survive?

Answered: 0 Skipped: 7

Answer Choices	Responses
Yes	0.00% 0
No	0.00% 0
Other / specify	0.00% 0
Total Respondents: 0	

Q28 If no, what would you need to survive?

Answered: 0 Skipped: 7

Answer Choices	Responses
Higher customer's rates	0.00% 0
Government subsidies	0.00% 0
Other / specify	0.00% 0
Total Respondents: 0	

Q29 (For haulers, municipalities, etc.) How is your compost marketed?

Answered: 0 Skipped: 7

Answer Choices	Responses
Given away	0.00% 0
Sold retail / commercially	0.00% 0
Not sure / NA	0.00% 0
Other / specify	0.00% 0
Total Respondents: 0	

Q30 FOR facility or economic development actors:

Answered: 3 Skipped: 4

Answer Choices	Responses
A. Does your organization have specific programs designed to expand or site new recycling or composting or AD facilities? (please state time frame; 1-3 years, 3-6 years, 7-10years)	33.33% 1
B. To what extent has your organization worked with recycling-related businesses in the past? Currently?	66.67% 2
C. How can your organization's programs and activities assist recycling business growth under current authorities / funding?	33.33% 1
E. Does not apply. (please put NA in box)	33.33% 1

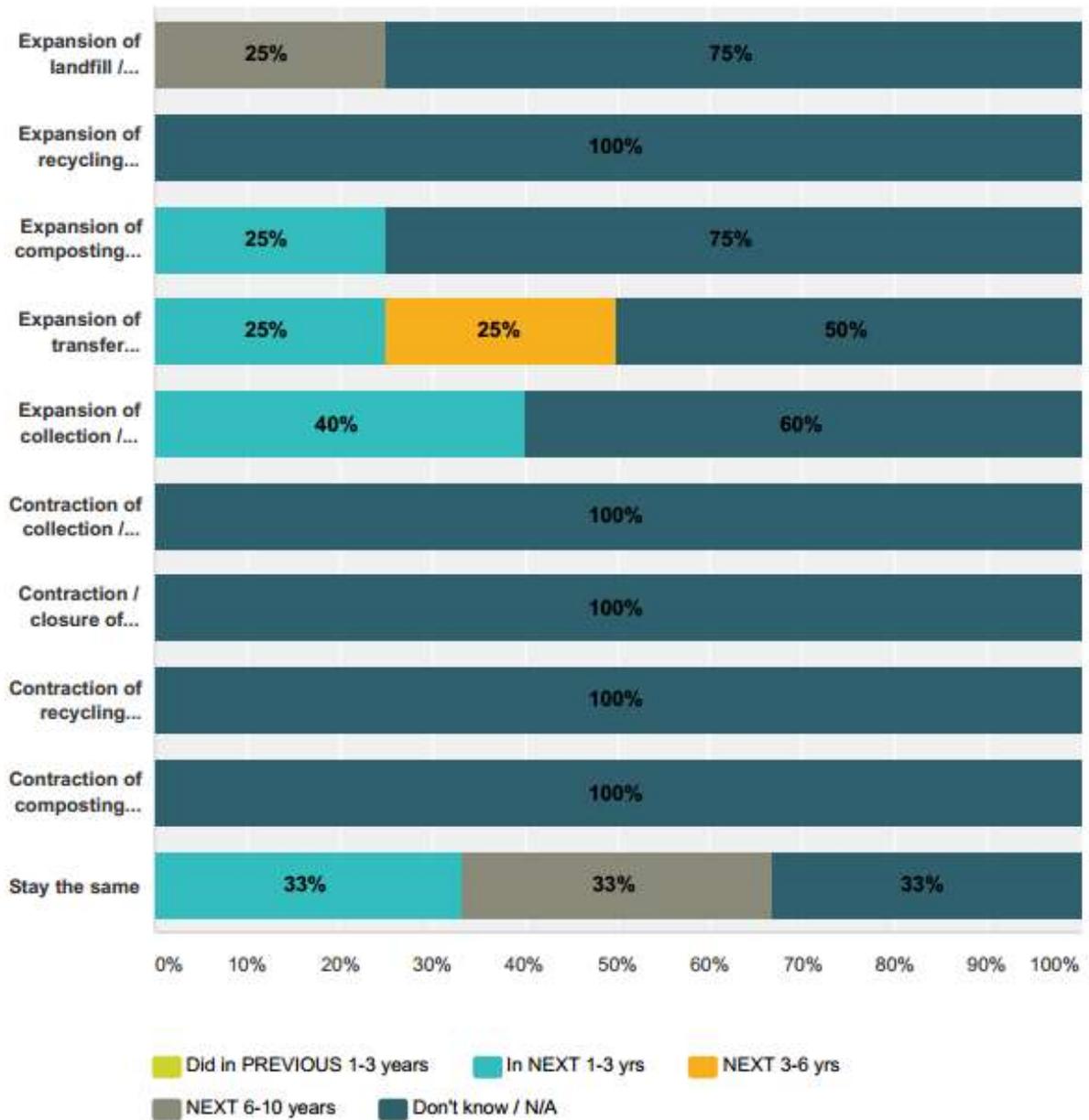
Q31 Do you believe that any of the following “higher level” policies would / might be effective at changing the structure of solid waste practices in a way that increases diversion or the economics of the system?

Answered: 6 Skipped: 1

	Grants to encourage Hub & Spoke	Establish regional planning districts with responsibilities.	Moving toward some version of franchise agreements, districting, or contracts for residential collection.	Moving toward some version of franchise agreements, districting, or contracts for commercial collection in some urban areas.	Requiring recycling goals (could vary by area; be lower for rural areas)	Increasing funding through landfill surcharge.	Increasing funding through oil & gas severance tax.	Regionalizing landfills	Producer Responsibility strategies	Mandating through ordinance PAYT (pay as you throw) or volume based pricing	Total
It will help	13% 4	16% 5	10% 3	3% 1	13% 4	3% 1	13% 4	10% 3	13% 4	6% 2	31
Very against this	0% 0	0% 0	0% 0	0% 0	0% 0	80% 4	0% 0	0% 0	0% 0	20% 1	5
No opinion	14% 2	0% 0	14% 2	29% 4	7% 1	0% 0	7% 1	14% 2	7% 1	7% 1	14

Q32 Do you have plans for the following in your area?

Answered: 5 Skipped: 2



APPENDIX C-

CDPH&E Materials Management

ADDITIONAL OPEN ENDED ECONOMIC RESPONSES FROM PRE-MEETING SURVEYS

Sterling

1. *Is the cost to operate a landfill, transfer station, and / or recycling center viewed as problematic within the region? Is this a regional concern? Please also explain why?*
 - All Facilities in this region are costly to operate relative to the potential revenue stream from tipping fees, customer payments, and end user markets.
 - Unfunded mandates tie the hand of landfill operators with high compliance costs and incoming regulations based on Front Range conditions will increase operational costs even more.
 - Lack of education on recycling and environmental issues leads to low participation, low volume, and high contamination. Low participation decreases revenue from the customer base, while low volume and high contamination negatively impact revenue from end user markets.
 - Recycling revenue is based on a volatile materials market with recently decreased commodity values. The combination of inconsistent material prices and long distances to end users makes it very difficult for recyclers to find and sustain partnerships with buyers.
 - Small population, low cost of recycling service to the customer and high recycling tipping fees also negatively impact the economics of diversion facility operating costs.
 - A lot of uncertainty regarding the true costs of disposal vs diversion. Again, this points back towards lack of education.
 - State funding is hard to come by so many believe the best solution is to push toward privatization, especially for recycling.
 - Dealing with E-waste and tires is difficult and expensive.
 - Young people in this area recycle more, but many of them are moving to larger Front Range communities.
 - Compost situation is complicated because of the winds that carry excess nitrogen emissions from compost and general agriculture into Estes Park and the Front Range region.

2. *Within the region, what would be most beneficial to improve solid waste management services that are protective of human health and the environment?*
 - \$\$\$ - Need more grants/funding/incentives for diversion, as well as the development of end user markets for recycled and composted material.

- EDUCATION. Citizens need to be updated on available services, the purpose of recycling, and the true costs of disposal vs diversion.
- Convenient recycling opportunities for community member, including guidelines for acceptable materials. More recycling drop-off facilities to begin developing a stronger hub and spoke model.
- Strategies among CDPHE divisions (Air, Solid Waste, Water) for overall total benefit to public health. More collaboration might instigate some very innovative projects and programs.
- Avoid heavy-handed fines, which only slow progress, and begin to work together at all levels (local, regional, state) to achieve 100% compliance.
- Instigate privatization of recycling services in order to explore strategies for increasing industry profitability in the Sterling region.
- Better communication with the state. Listen to producers and react timely to requests. Need to know exactly what the CDPHE wants to achieve regarding solid waste management. Helps if the state acts as a partner rather than an authority figure.
- Let small landfills stay open to prevent illegal dumping, but allow the old ones to operate in accordance with old regulations instead of spending money to bring them up to compliance.
- Allow more burning and provide capital for a waste-to-energy facility.
- Reasonable beneficial use permitting.
- Biogas plant.

APPENDIX D-

CDPH&E Materials Management

TABLE GROUPS WORK SESSION: NOTES

Sterling

What's working:

- Drop-off facilities
- Public and private partnerships
- Cardboard Program
- Some baling of single and sorted streams

Missing / changed / barriers:

- Education and convenience (curbside) for participants
- Market Access
- More strategy development with state in various divisions
- Funding and freight
- State facilities
- Certain waste streams
- Limited tax base

Resources / successes in your area:

- Listen to the will of the local people
- Public – Private Partnerships
- Agriculture
- Cardboard Program

Opportunities / sharing resources:

- Freight
- Few opportunities for sharing due to isolation

Ideas near / long term:

- Hub and Spoke
- Offsets within projects to “trade” emissions or other regulated – conflicting pollutants
- Establishment of a State goal, with an explanation of the purpose of the goal
- Waste-to-Energy facility
- Incentivize privatization

Assistance needed:

- \$\$\$ - Investment / tax incentive / RREO / state level funding
- Equipment and manpower
- Market Access
- Better communication. State does not communicate within their own departments leaving the locals in limbo

- Waste-to-Energy facility

Funding ideas:

- State grants - taxes – no unfunded mandates!
- Consumer

Not needed:

- More regulation
- No more unfunded mandates

Roles / who's needed:

- State level committee to facilitate economic development, education and data collection, for local governments, via legislation
- CSU technical/program management assistance
- Private enterprise to make recycling profitable
- Public education and participation