



**CITY OF ST. AUGUSTINE CITY COMMISSION
SPECIAL MEETING**

WEDNESDAY, FEBRUARY 19, 2020

**2:00-4:00 P.M.
ALCAZAR ROOM**

A G E N D A

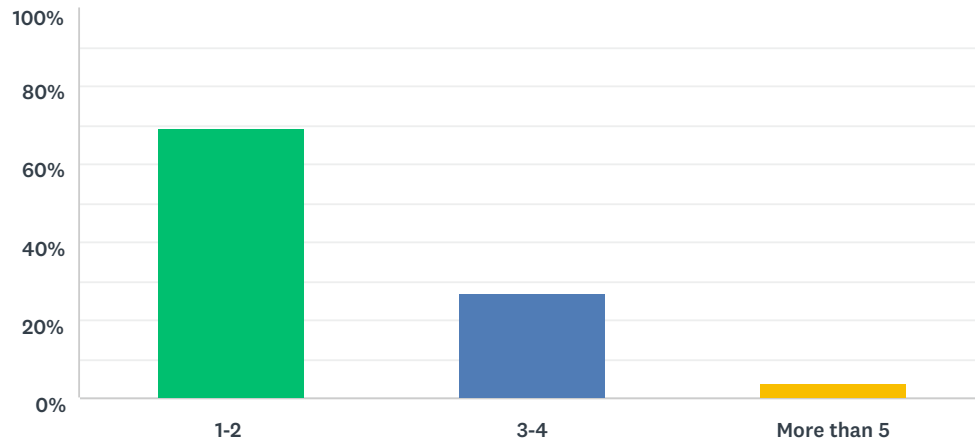
1. Roll call
2. General Public Comments
3. Sustainability Discussion
 - Internal Sustainability Plan
 - Organic Waste Initiative
 - Tree Canopy Enhancement
 - Business Recognition Program
 - Big Belly Solar Trash Cans
 - FPL LED Street Light Program & Utility Undergrounding
4. Items by Commissioners
5. Adjourn

NOTICES: In accordance with Florida Statute 286.0105: "If any person decides to appeal any decision made by the City Commission with respect to any matter considered at this scheduled meeting or hearing, the person will need a record of the proceedings, and for such purpose the person may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based." In accordance with the Americans with Disabilities Act, persons needing a special accommodation to participate in this proceeding should contact the individual or agency sending notice not later than seven days prior to the proceeding at the address given on the notice. Telephone (904) 825-1007; 1-800-955-8771 (TDB) or 1-800-955-8770 (V), via Florida Relay Service.

"The materials prepared and presented are part of the City's ongoing Florida Public Records and Government in the Sunshine compliance and are not intended to be relied upon or to reach investors or the trading markets."

Q1 How many people live in your household?

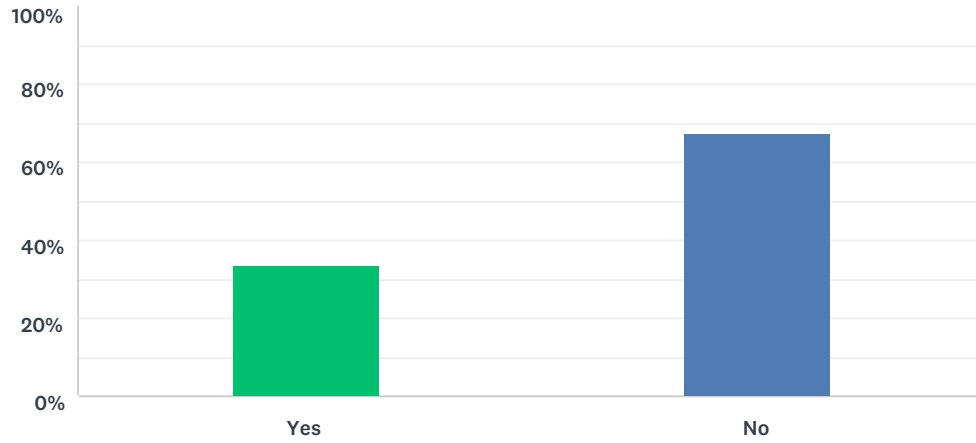
Answered: 286 Skipped: 1



ANSWER CHOICES	RESPONSES	
1-2	69.23%	198
3-4	26.92%	77
More than 5	3.85%	11
TOTAL		286

Q2 Do you currently compost organic waste?

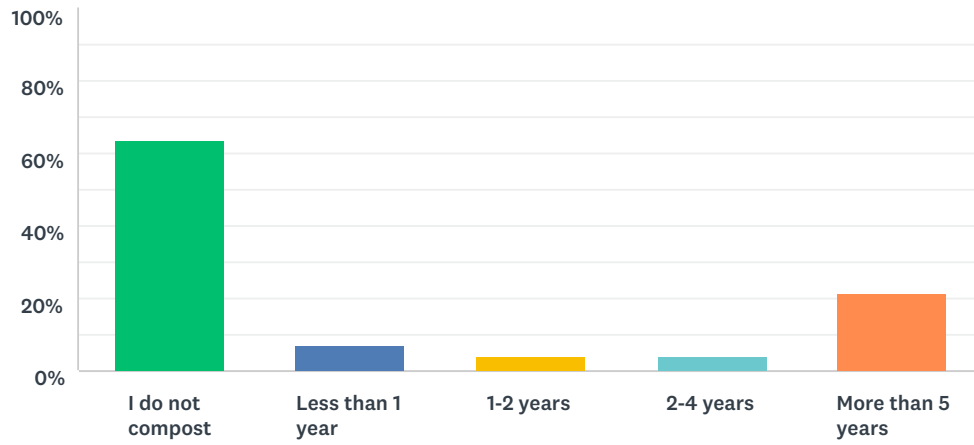
Answered: 287 Skipped: 0



ANSWER CHOICES		RESPONSES	
Yes		33.45%	96
No		67.25%	193
Total Respondents: 287			

Q3 If you compost, how long have you been composting?

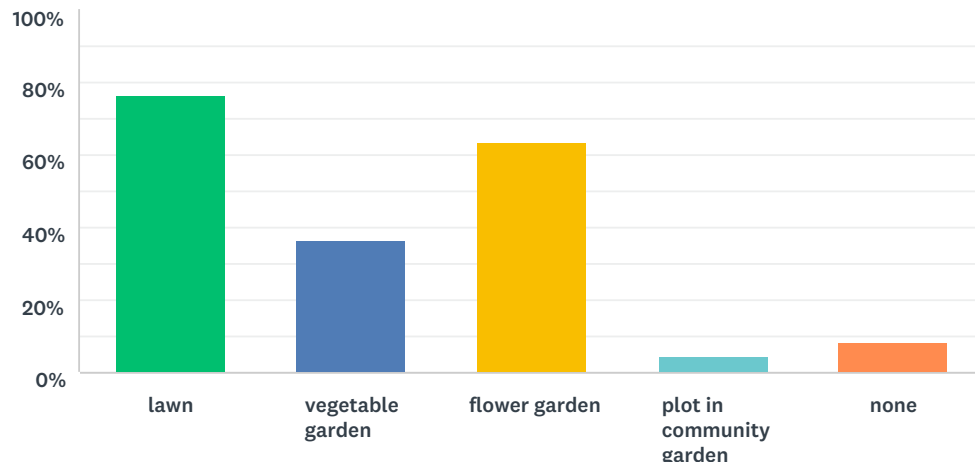
Answered: 265 Skipped: 22



ANSWER CHOICES		RESPONSES	
I do not compost		63.40%	168
Less than 1 year		7.17%	19
1-2 years		4.15%	11
2-4 years		3.77%	10
More than 5 years		21.51%	57
TOTAL			265

Q4 Do you have a lawn or garden that you maintain at your place of residence? (check all that apply)

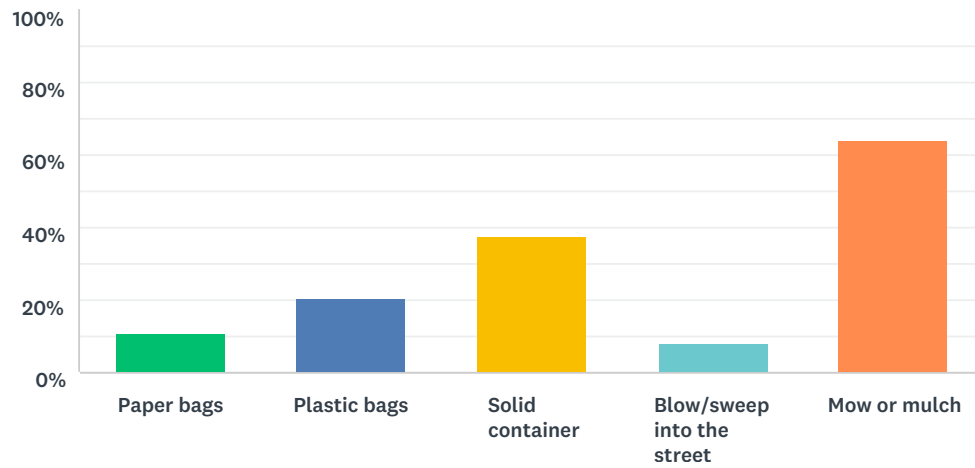
Answered: 287 Skipped: 0



ANSWER CHOICES	RESPONSES	
lawn	76.66%	220
vegetable garden	36.59%	105
flower garden	63.41%	182
plot in community garden	4.53%	13
none	8.36%	24
Total Respondents: 287		

Q5 How do you dispose of grass clippings, leaves and other soft yard waste? (select all that apply)

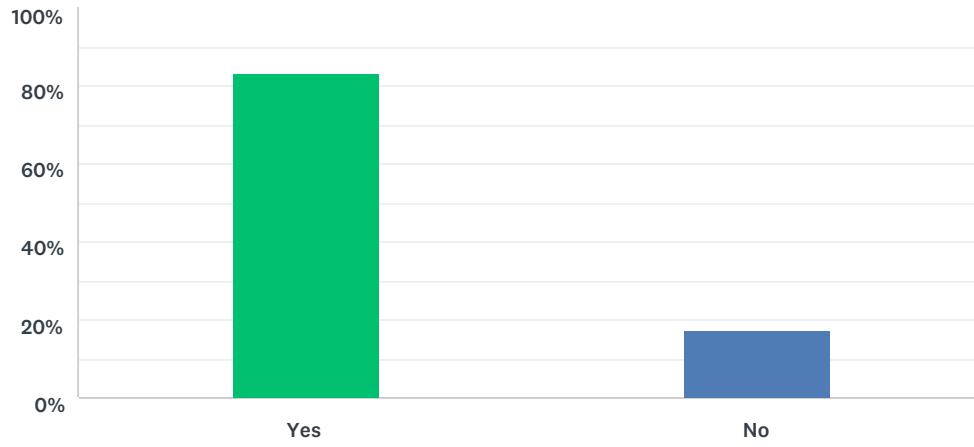
Answered: 276 Skipped: 11



ANSWER CHOICES	RESPONSES	
Paper bags	10.87%	30
Plastic bags	20.65%	57
Solid container	37.68%	104
Blow/sweep into the street	7.97%	22
Mow or mulch	64.13%	177
Total Respondents: 276		

Q6 If the city implemented a composting program for collecting organic waste separately, would you participate in the program?

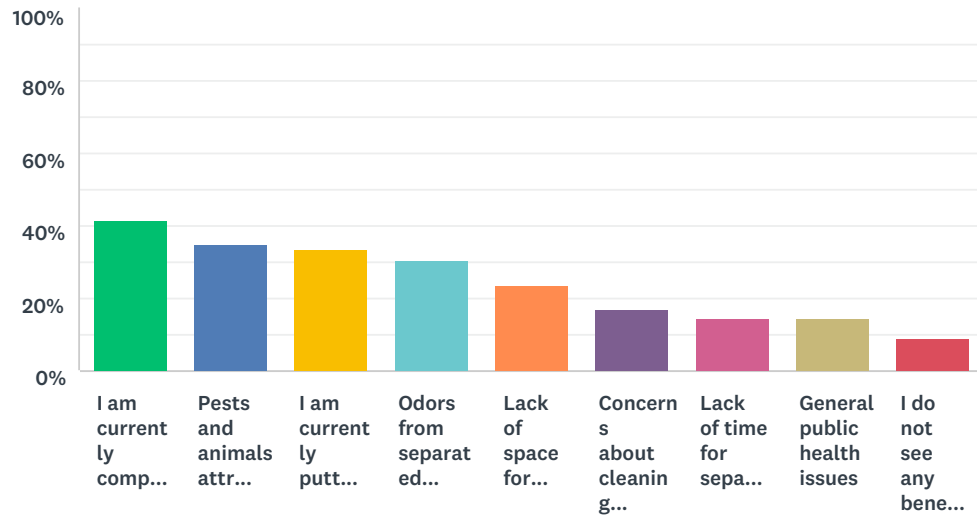
Answered: 284 Skipped: 3



ANSWER CHOICES	RESPONSES	
Yes	83.45%	237
No	17.25%	49
Total Respondents: 284		

Q7 If you answered NO in the previous question (select all that apply):

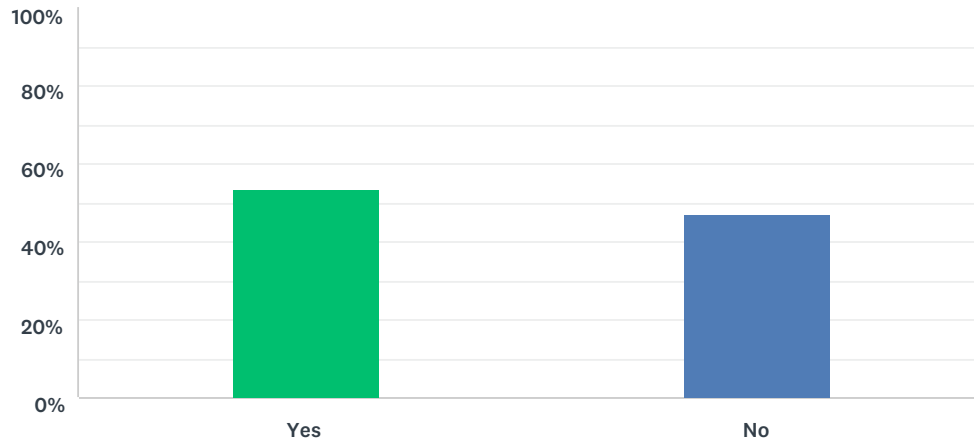
Answered: 89 Skipped: 198



ANSWER CHOICES	RESPONSES	
I am currently composting food waste	41.57%	37
Pests and animals attracted to organic waste stored outdoors	34.83%	31
I am currently putting food waste in my garbage disposal unit in the sink	33.71%	30
Odors from separated organic waste	30.34%	27
Lack of space for storing separated organic waste	23.60%	21
Concerns about cleaning storage container	16.85%	15
Lack of time for separating organic waste	14.61%	13
General public health issues	14.61%	13
I do not see any benefits to separating organic waste	8.99%	8
Total Respondents: 89		

Q8 If the City were to create organic waste drop-off sites, would you take time to deposit your organic waste?

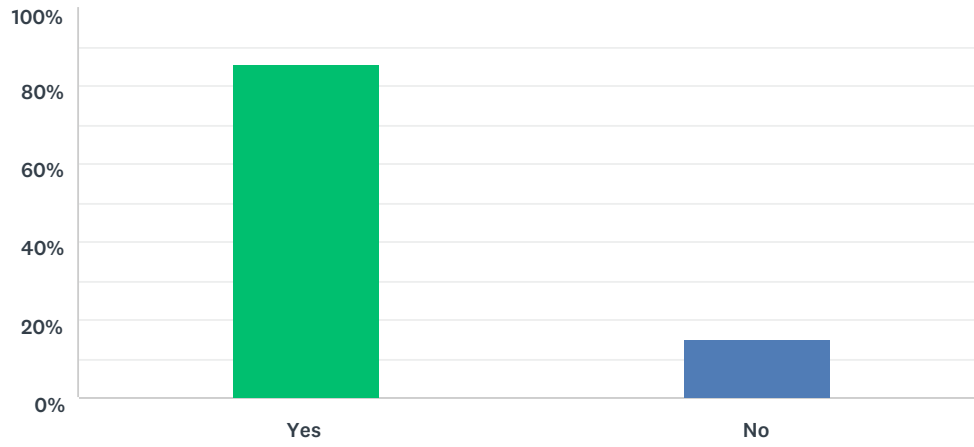
Answered: 282 Skipped: 5



ANSWER CHOICES		RESPONSES	
Yes		53.55%	151
No		46.81%	132
Total Respondents: 282			

Q9 If the City were to provide, free of charge, a compost bin to you, would you be interested in receiving one?

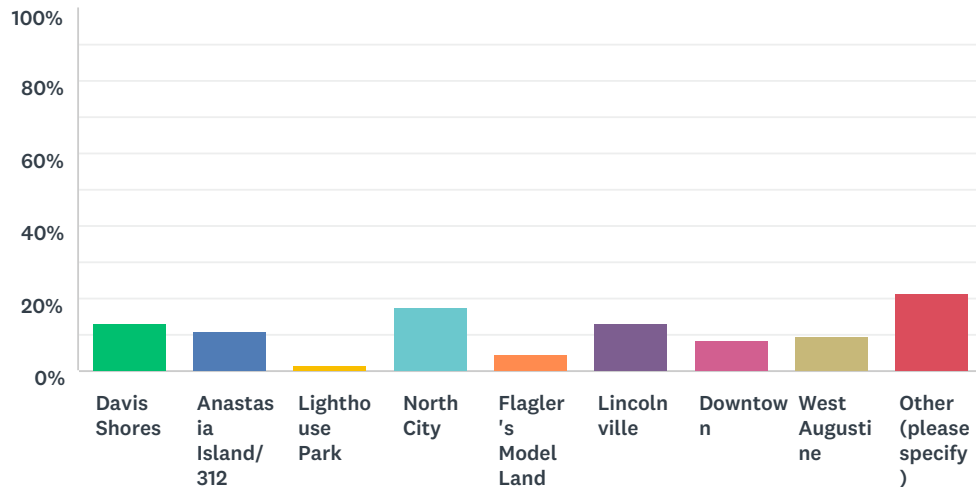
Answered: 285 Skipped: 2



ANSWER CHOICES	RESPONSES	
Yes	85.61%	244
No	14.74%	42
Total Respondents: 285		

Q10 What area of St. Augustine do you live in? (select only one)

Answered: 287 Skipped: 0



ANSWER CHOICES	RESPONSES	
Davis Shores	12.89%	37
Anastasia Island/312	11.15%	32
Lighthouse Park	1.74%	5
North City	17.42%	50
Flagler's Model Land	4.53%	13
Lincolnville	12.89%	37
Downtown	8.71%	25
West Augustine	9.41%	27
Other (please specify)	21.25%	61
TOTAL		287

#	OTHER (PLEASE SPECIFY)	DATE
1	Fruit cove	5/18/2019 9:07 AM
2	Near Palencia	5/17/2019 9:03 PM
3	Deerfield Preserve	5/17/2019 6:49 PM
4	South Us1 Saint Augustine Shores area	5/17/2019 5:32 PM
5	World Golf Bannan Lakes	5/17/2019 5:25 PM
6	Abbott Tract	5/17/2019 12:44 PM
7	Abbott Track	5/17/2019 12:27 PM
8	Heritage Park	5/17/2019 10:51 AM
9	Fullerwood	5/12/2019 4:59 PM
10	St Augustine South	5/11/2019 4:39 PM
11	World golf village	5/11/2019 3:58 PM
12	Palencia	5/11/2019 3:16 PM

Organic Waste Questionnaire

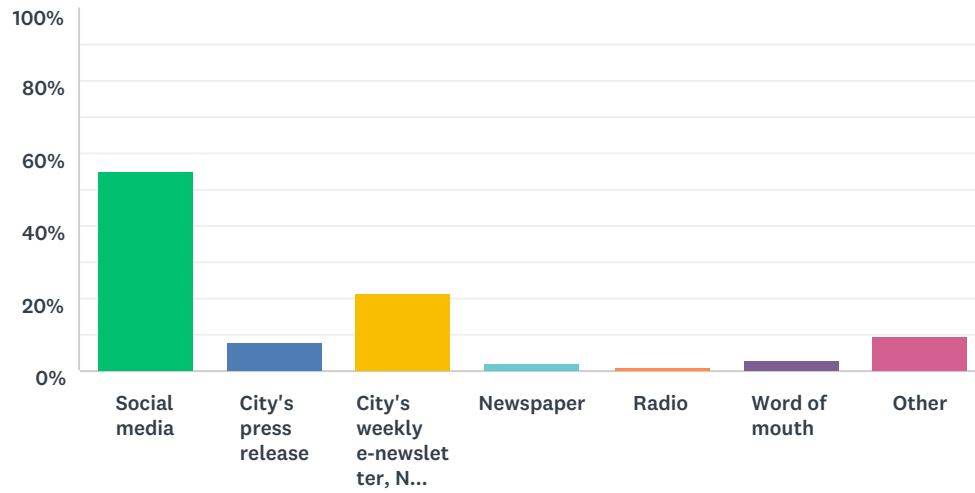
13	Vilano Beach	5/11/2019 8:16 AM
14	Old Sebastian Point	5/10/2019 9:27 PM
15	Madeira	5/10/2019 5:31 PM
16	Fullerwood	5/10/2019 12:14 PM
17	Saint Augustine South	5/10/2019 12:00 PM
18	Near outlet malls	5/10/2019 11:57 AM
19	Saint Augustine Report	5/9/2019 12:16 PM
20	Vilano	5/8/2019 5:24 PM
21	Abbott Tract	5/8/2019 12:40 PM
22	2 blocks east of Master's Drive	5/8/2019 12:18 PM
23	Palencia	5/8/2019 10:13 AM
24	St. Augustine South	5/8/2019 9:42 AM
25	6 houses outside city limits in west augustine--pls extend the geographic limits--I get City water	5/8/2019 8:46 AM
26	Villages of Sely - S. R. 16	5/8/2019 7:33 AM
27	Vilano	5/8/2019 7:11 AM
28	Worls Golf Village	5/7/2019 11:56 PM
29	State road 16	5/7/2019 9:11 PM
30	Shores	5/7/2019 8:42 PM
31	Vilano	5/7/2019 10:03 AM
32	Shores	5/6/2019 10:31 AM
33	St augustine Shores	5/5/2019 11:35 PM
34	Sr 16 between US 1 and I-95	5/5/2019 8:58 PM
35	World golf village	5/5/2019 7:17 PM
36	St aug shores	5/5/2019 6:47 PM
37	The South	5/5/2019 6:05 PM
38	Santa Rosa	5/5/2019 5:31 PM
39	Beach	5/5/2019 4:41 PM
40	Park Terrace/Old Quarry	5/4/2019 8:27 AM
41	Magnolia Neighborhood	5/4/2019 6:58 AM
42	Ravenswood	5/3/2019 7:11 PM
43	St Augustine Shores	5/3/2019 2:21 PM
44	Royal Saint Augustine	5/3/2019 11:30 AM
45	WGV	5/3/2019 10:58 AM
46	St Augustine South	5/2/2019 2:11 PM
47	fullerwood park	5/2/2019 1:39 PM
48	South	5/1/2019 9:46 AM
49	St. Augustine South	4/30/2019 7:44 PM
50	207	4/30/2019 5:59 PM
51	Old Moultrie	4/30/2019 5:09 PM
52	South	4/30/2019 1:34 PM
53	St. Augustine south	4/30/2019 12:39 PM

Organic Waste Questionnaire

54	Ravenswood dr area	4/30/2019 12:21 PM
55	St Augustine South	4/30/2019 12:00 PM
56	St Augustin South	4/30/2019 11:36 AM
57	St Augustine South	4/30/2019 11:01 AM
58	I work downtown so although I don't live in the city proper, I'd still drop off my organic waste wherever it was located in order to contribute.	4/30/2019 9:39 AM
59	VILANO PORPOISE POINT	4/30/2019 9:32 AM
60	Uptown	4/30/2019 8:50 AM
61	Uptown	4/30/2019 8:49 AM

Q11 How did you hear of this survey? (select only one)

Answered: 285 Skipped: 2



ANSWER CHOICES	RESPONSES	
Social media	55.09%	157
City's press release	8.07%	23
City's weekly e-newsletter, News & Notes	21.40%	61
Newspaper	2.11%	6
Radio	1.05%	3
Word of mouth	2.81%	8
Other	9.47%	27
TOTAL		285

Q12 Please share any comments or concerns you may have related to the city's waste management practices:

Answered: 146 Skipped: 141

#	RESPONSES	DATE
1	Thanks for everything you do! We're very interested in taking care of our planet!	5/17/2019 10:21 PM
2	I would love to see organic compost as a part of the county's trash services!	5/17/2019 9:03 PM
3	I'm delighted that the city wants to compost and fertilize green areas with it. I'm for eliminating all chemicals that harmful to pets and humans. I hope it becomes a permanent program.	5/17/2019 6:49 PM
4	I am 100% behind more awareness and efforts being sustainable.	5/17/2019 5:32 PM
5	I find that all places along the shore in St Augustine, Anastasi a island do not recycle. They feel all garbage is mixed together. And as I watch them pick it up from the beach, right now, I see the same thing! Why? Why isn't St Aug recycling?	5/17/2019 5:31 PM
6	My answer to whether or not I would use the city's composting services depends on how it is done, how it is stored on my property, and attracting critters. If these concerns are resolved then I would, if not then I wouldn't.	5/17/2019 4:16 PM
7	N/A	5/17/2019 1:46 PM
8	About 85% of the residents in my area spray Round-up, use pesticides, blow yard debris into the street, water whenever they want because they have well water and can't even flatten cardboard boxes for recycling pick-up. I seriously doubt these folks would make an effort to separate organic waste! I hate to see the city waste money on this effort when those who probably would participate already compost and have sustainable habits. Baby steps first and education for the unaware.	5/17/2019 12:48 PM
9	I can't afford for our water/sewer/recycling/garbage pick-up costs to go up. That is my only concern. I don't mind holding back organic waste. Otherwise, I think this is a good idea in general.	5/17/2019 12:27 PM
10	I am an avid recycler and would be an encourager to my community to use a new composting system. With our current waste system, opportunities for landfill reduction are missed at every turn. This would be a great step toward managing our waste more effectively. Thank you.	5/17/2019 10:59 AM
11	Hope you are successful with this. It makes sense.	5/17/2019 10:51 AM
12	This would be an excellent program that I support 100%	5/17/2019 9:10 AM
13	This is a great idea! I'm very concerned about the future of recycling due to cost and China no longer accepting recyclable materials. Composting is a great way to minimize what goes into the landfill and reap a benefit. Using compost helps our sandy soil retain moisture and improves outcomes in the garden!	5/16/2019 3:18 PM
14	exactly what type of material would be collected? eg would it be garden clippings etc which is already being picked up by the city and food waste which is now going into my regular garbage with some going down my disposal in the sink. I would support a drop off facility which people can take their waste to but only if there was a financial benefit to the city to collect the waste	5/15/2019 3:23 PM
15	Organic materials are necessary to decompose trash in landfills & control of methane. How will landfill gases be impacted if composting is created? And how will the compost be utilized?	5/14/2019 1:21 PM
16	Lawn waste most likely would be contaminated with chemicals applied by pest control companies and should not be composted. Vegetable waste unless grown organically would also be contaminated.	5/13/2019 10:13 AM
17	None	5/12/2019 8:57 PM
18	I would be slightly worried about the scraps attracting rats, but feel that this is still a good place to try for both cost savings and environmental benefits--especially now since waste disposal companies are becoming huge monopolies.	5/12/2019 4:31 PM
19	Would the bin be animal proof? We have raccoons, rats and opossum that would consider it a buffet if it was an open container.	5/12/2019 11:16 AM

Organic Waste Questionnaire

20	I believe the emptying of trash bins is done in a sloppy manor.	5/11/2019 4:39 PM
21	None	5/11/2019 3:58 PM
22	I love this idea! I lived downtown for 1.5 years and had a yard and composted there. I have no yard in Palencia (reside now in a townhome). I always am sad at throwing away food scraps that could help make better soil. It would be great for the city to provide a bin to take away the compost and leave a clean bin when it is picked up. That's how cities like Asheville do it. Then, the participants have a "share" in the compost and finished compost can also be dropped back to their residences. They do charge a small fee, but what a great way to get participation!	5/11/2019 3:16 PM
23	This would be an amazing step forward in eco-waste management. This would also make it easier for those who don't wish nor are able to compost in their yard or apartment. Please start this program ASAP!	5/11/2019 12:58 PM
24	Great idea and hopefully residents would be able to use the compost for their gardens.	5/11/2019 8:16 AM
25	It all works just fine. Don't change a thing.	5/10/2019 9:27 PM
26	Because we already compost, we would not need to participate, however we strongly support organic waste collection. If it included collection of meat and other non-compostable food waste, as they do in the UK, we would participate in that.	5/10/2019 9:21 PM
27	Love the idea	5/10/2019 6:00 PM
28	I already compost so I don't need this service. If you do implement the program please be sure to have an effective education campaign so people know what types of food not to compost, such as meat. I think the problems with general recycling countrywide is the lack of information. Most people don't realize that recycling items are to be clean. Perhaps a school district partnership would help. Get information to the kids to help spread the word.	5/10/2019 3:47 PM
29	It would be good if participants could receive free compost in return. Tacoma Parks in Maryland has a curb side program that is wonderful.	5/10/2019 2:36 PM
30	The garbage collectors seem to be on an unpredictable schedule lately. It's 1:17pm and the garbage still hasn't been picked up. They use to come around 8am. Over the last several weeks, it could be anytime on pickup day. The reason I mention this is because often my garbage can and sometimes the lid end up in the middle of the street.	5/10/2019 1:19 PM
31	Keep up the good work.	5/10/2019 12:14 PM
32	I would be interested in participating even though we live outside of the city	5/10/2019 12:00 PM
33	Love to see all the business within St. Augustine be apart of this. Re-use the materials for beautification, possible job growth as well. Be the Model City of Florida!	5/10/2019 11:57 AM
34	I live in a condo in St Augustine so cannot compost. I am a part time resident. My TN home has a garden and I compost there.	5/10/2019 11:45 AM
35	I need my waste for my yard	5/10/2019 10:50 AM
36	Great idea.	5/10/2019 10:24 AM
37	This is great! The widespread collection of vegetable waste will enable our community to make meaningful use of compostable food service items, a huge win for local businesses needing a solution to single use plastics!	5/9/2019 9:52 PM
38	I would like to hear more specific details about the program before committing. Costs?	5/9/2019 9:27 PM
39	Since I recycle glass, papers,, cans and plastic, I hardly have any garbage. I also recycle plastic bags to Publix as well as foam trays. Everyone should make the effort	5/9/2019 3:20 PM
40	I do so hope this is possible I would be happy to switch to Paper cot yard waste.	5/9/2019 9:39 AM
41	We would participate even though we live in a condo	5/8/2019 6:49 PM
42	I have no desire to do this.	5/8/2019 5:10 PM
43	Cleaner the city and its water ways the better environment to live in	5/8/2019 4:52 PM
44	It is a bad idea. I will compost my own for my plants	5/8/2019 4:45 PM
45	I hope you keep trying to improve! I appreciate your efforts!	5/8/2019 2:43 PM
46	Yes, please, we would welcome this program!	5/8/2019 12:40 PM

Organic Waste Questionnaire

47	This is a bad idea. I will not do it	5/8/2019 10:32 AM
48	Need to separate paper, plastic, glass.	5/8/2019 10:13 AM
49	composting on a large scale would be beneficial for the community and mother earth in many ways.	5/8/2019 9:42 AM
50	Pls cooperate with County on areas that overlap-I get city water, but not sewer although it's across the street and a new connection is going past me--why are current septic customers not included in new plans? I would gladly collect veg scraps for composting--but get county pick-up, can't we get some coordination on this to save fuel and pollution as well as traffic?	5/8/2019 8:46 AM
51	We have a great recycle program in the city. I think a column in the paper (or something similar) to help educate people about our recycling program would be helpful. It could include tips and facts about recycling and how our community with recycling.	5/8/2019 8:45 AM
52	I like the idea of composting. Just curious: would we have access to the compost or would it be used for other purposes?	5/8/2019 8:42 AM
53	On Beacon Street, we have a huge population of raccoons, as well as dogs - you must have 2.5 dogs or you are not allowed to move into the Fullerwood area, and they are required to bark 24-7. I have a compost pile that I toss banana peels and corn ears upon. Mostly, I scrub and eat veggies and fruit peelings.	5/8/2019 8:41 AM
54	Let's do this. I'd participate.	5/8/2019 8:34 AM
55	Gardner's Report is how I heard of this. I appreciate the efforts the city makes for waste collection.	5/8/2019 8:07 AM
56	Read about in the Gardner Report	5/8/2019 7:56 AM
57	I would like a larger recycling bin but have not been able to access a larger bin or get a second bin.	5/8/2019 7:54 AM
58	I compost most of the time at my home. There are some things like egg shells I don't compost because it attracts raccoons. I would put these in the city bins.	5/8/2019 7:53 AM
59	Expand recycling to include styrofoam and pizza boxes curb side	5/8/2019 7:47 AM
60	I think the City of St Ausustine does a good, efficient job of collecting recycle and trash.	5/8/2019 7:40 AM
61	It's so great that the city is considering composting. I am questioning the public's effort to actually separate organic material. I think it will be a lot of marketing before the majority is on board	5/8/2019 7:35 AM
62	It's important to keep foodstuff out of landfill. Methane gas results, which is worse than carbon dioxide for the earth. The public must be educated.	5/8/2019 7:33 AM
63	We need more protection of our nice city. We have to much waste. Lets use the waste!	5/7/2019 11:56 PM
64	I'm all for having a place to send my organic waste so that it could be composted. Ideally if the organic waste from the city could all be composted successfully, then a potential outlet could be using it to help with soil replacement and landscaping for the city and/or sold for a small profit. In addition to composting, I would be interested in multi-stream recycling and separating recyclables out rather than single stream recycling.	5/7/2019 10:59 PM
65	Will this be open to county residents?	5/7/2019 9:11 PM
66	I think this is the best idea! Composting can be had to maintain but a lot of people still want to help the environment	5/7/2019 8:42 PM
67	I like this compost idea. It can go back into the environment, rather than to the landfill.	5/7/2019 3:27 PM
68	Fabulous idea ~ sure hope it happens!!!	5/7/2019 12:04 PM
69	Please compost and find ways to eliminate single use plastics	5/7/2019 6:48 AM
70	Great idea!!!!!!!	5/6/2019 9:52 PM
71	The model of asking residents to actively participate in waste sorting at the household level is one I would encourage and it may help in the effort to develop a true down stream recycle process that is cost prohibitive. I understand however that developing the culture for residents to do their part may take time.	5/6/2019 5:25 PM
72	Excellent idea	5/6/2019 5:03 PM

Organic Waste Questionnaire

73	Please start a composting system !! Nothing should go in the trash to the landfill, it should either be recycled (plastic, paper, glass etc, and the rest that people can't recycle is food scraps and wastes, composting is necessary! People are lazy so it has to be down the same way trash is collected	5/6/2019 10:31 AM
74	This is a step in the right, sustainable direction for St. Augustine! My family will be more than happy to participate. We would also be interested in obtaining soil from compost site.	5/6/2019 9:31 AM
75	Welcome to the 21st century Saint Augustine!	5/6/2019 6:22 AM
76	There are so many more things we can do to reduce carbon footprint as a city and county. Please work with the county on this as well as other items that are quick easy fixes.	5/5/2019 11:35 PM
77	This is a wonderful initiative! Thank you!	5/5/2019 9:49 PM
78	I think providing municipal composting options is critical for managing waste. We compost at home, manage it and use it in the garden. Most people don't and will not see the benefits until their municipality provides the service and it becomes normal. I'm thrilled that this is being considered. Could schools and other public facilities participate?	5/5/2019 8:30 PM
79	I see this as another way for the city of st. Augustine to add an additional charge to our already high water/sewer/garbage fees. If this was totally free with no increase maybe I would consider it.	5/5/2019 7:45 PM
80	If it implemented will it reach world golf village	5/5/2019 7:17 PM
81	THis is an amazing initiative! Thank you for promoting the health of our environment!	5/5/2019 5:31 PM
82	I would like to have recycling drop off locations in convenient places around St Augustine	5/5/2019 5:25 PM
83	We must do this	5/5/2019 5:09 PM
84	I think composting would be great. I always wanted to do it but didn't know how.	5/5/2019 4:44 PM
85	Rats .	5/5/2019 4:41 PM
86	What would be done with the compost? Would it be available to residents later?	5/5/2019 4:38 PM
87	Survey was a little confusing to me. I did not know if you were combining food and yard waste. I currently put all my yard waste in plastic container for pick up on Wed. My food waste is very minimal and I put this in regular trash. Try to use my garbage disposal as little as possible.	5/5/2019 3:24 PM
88	No concerns as long as it's done right.	5/5/2019 1:57 PM
89	Good idea!	5/5/2019 11:01 AM
90	In would love to see a composting program through the city!! While I don't know much about how it would work or what it would entail for me, I just hate to throw organic waste away when I know it goes to landfills. I know so much good could come out of it! Please try to do this.	5/5/2019 10:35 AM
91	The idea is great, but disposal's a problem. Many of us don't have extra space for another cart and may find it impractical to drop off. Could there be an alternative way, such as a dual-purpose recycling/compost cart? That could eliminate the need for an additional pickup, an extra cart and the use of paper bags. It's probably not an ideal solution, but surely somebody in the waste industry and urban planning have brainstormed this issue already.	5/4/2019 12:45 PM
92	Please bring this program to St Augustine!!! We had a city compost system when we lived in Seattle and loved it. Cuts back on waste so much!	5/4/2019 12:45 PM
93	The city's facilities at the end of Riberia Street could be much cleaner and are in need of maintenance around the area. I would be very concerned if the did have a organic compost drop-off due to the city's lack of priority of keeping their facilities clean.	5/4/2019 12:15 PM
94	I think it's a fantastic idea for the city to compost and I would participate however I already do my own composting and have for at least 40 years. Love to add it to my garden.	5/4/2019 11:14 AM
95	I would love this so much, because we're a household of 7, and produce so much organic waste, I can't compost fast enough. Haha. I'd definitely still compost a little at my home, but would greatly benefit from the bulk of it being collected.	5/4/2019 8:41 AM
96	I would be very interested. Great idea. I support 100%	5/4/2019 8:27 AM
97	I compost most of my yard and kitchen waste now. Can residents get free compost from your facility if you do this program?	5/4/2019 6:58 AM
98	Please For the love of our land please do this.	5/4/2019 5:28 AM

Organic Waste Questionnaire

99	I know have only concrete cinder block compost bin. Animals come so would love a more commercial way of composting. I love this idea!	5/3/2019 11:10 PM
100	Would like to help the City but Need more information and better description on what this would entail and look like. Not familiar with composting and we have many raccoons that are very smart and try now to open our garbage containers...must bungee cord them and sometimes that does not work. Sometimes freeze organic waste until garbage day to avoid attracting raccoons to the cans.	5/3/2019 8:27 PM
101	More community gardens, especially on the west side, would help with this project. Would love to see MORE community gardens. We rent and are not allowed to plant anything but I still manage to NOT send organic waste to the landfill.	5/3/2019 7:11 PM
102	excellent idea.	5/3/2019 6:32 PM
103	Where would we take our compost material?	5/3/2019 6:29 PM
104	I would worry about rats... So I'm assuming you would have some kind of container that they cannot penetrate. Wonderful idea! Thank you	5/3/2019 5:45 PM
105	Yes, please!! This would be amazing. Obviously, I don't live within the city limits, but I would love to have this option. I was so pleased to hear that our our solid waste from the wastewater treatment plant is now going to a composting facility here in town. And it would be fantastic to have food and yard waste composted as well. I used to live in San Francisco, and it was so great to be able to compost. I worry about managing the waste, and keeping bugs at bay given that this is FL. My mother in law keeps her food waste in the freezer until trash day for this reason. Good luck with this effort!! Thanks so much for taking it on!	5/3/2019 2:21 PM
106	A COSA compost program would be great!	5/3/2019 2:02 PM
107	Thank you for providing excellent service for my tax dollars! :)	5/3/2019 12:11 PM
108	Regarding composting: I had a composter in our yard a few years ago, but removed it because it attracted rats. I would support a provided bin if pick up was at least once a week. There are rats and raccoons in our neighborhood, and they would be a major concern when introducing a bin again. A drop off site would not be preferred unless the location was convenient and kept clean and monitored. I would need more information about how this would be accomplished before supporting.	5/3/2019 11:43 AM
109	An organic bin would reduce my trash by 25%	5/3/2019 10:58 AM
110	This should be mandatory for households that do not already compost. Use the rich dirt created by the City's compost out at Hayling Park.	5/2/2019 9:05 PM
111	I would LOVE to have this program - I have family in Seattle and Denver and they both cannot believe we don't have it here....it's time for Saint Augustine :)	5/2/2019 6:35 PM
112	Please do not charge for extra pickup	5/2/2019 1:39 PM
113	I didn't hear about your efforts until hearing on "nextdoor" I think it's a great idea since 40 % of our landfill content could be composted. I am however very disappointed about the fact that glass is no longer recyclable !! Please tell me we are reinstating that service!	5/2/2019 12:52 PM
114	Would love to have a composted bin!!	5/2/2019 11:52 AM
115	I love the idea of bringing (or sending) leaves and clippings from my home to a center and being able to take some compost on returning home.	5/2/2019 9:52 AM
116	I love it that the city picks up yard waste & adding compost pickup would be amazing. I compost some items, such as lawn clippings & using oak leaves instead of purchasing mulch for my vegetable/flower gardens, but would love it if the city started a program that included a service that creates a solution turning food scrapes into soil.	5/2/2019 8:51 AM
117	recycling accepted materials keeps changing. we need definitive list of recyclable materials we use - like hard plastic food and product containers, aluminum wrappers printed on one side like yogurt cup tops, tissue paper, paper plates ...	5/1/2019 9:39 AM
118	We are in full support of any efforts to compost food waste, and also any recycling to avoid dumping reusable items into landfills.	5/1/2019 9:29 AM
119	There is a problem with wharf rats that come over from Salt run. I had one in my birdfeeder last night. I need nothing else to attract them. It is an issue over here. Most neighbors are never outside so they do not know.	5/1/2019 8:00 AM

Organic Waste Questionnaire

120	I love this idea. I have considered composting but have not begun to do it. If the city picked it up or provided composting bins I would prefer this. I answered no to drop off, but I might consider drop off of it were very close by. Otherwise I think it would be too time consuming for most people.	5/1/2019 5:29 AM
121	This is a WONDERFUL idea!! What shall the City do with all the collected organic material? Would it be composted and available for purchase when ready?!	4/30/2019 8:33 PM
122	I don't think you should allow yard waste in plastic bags. Then you could properly compost yard waste too!	4/30/2019 5:06 PM
123	Good idea	4/30/2019 2:48 PM
124	I have heard that it's good for landfills to have organic waste in them to help biodegrade the other trash, which is why I don't currently have a compost. I'd like to see the city do some education on the topic from an overall solid waste standpoint in conjunction with a new program. Thanks!	4/30/2019 2:45 PM
125	I feel you are doing a great job!	4/30/2019 2:30 PM
126	I am very pleased with my yard collection waste, the guys who collect do a very good job! I do want to do better at utilizing waste and am interested in your composting proposition!	4/30/2019 12:24 PM
127	Great idea for people who don't compost.	4/30/2019 11:36 AM
128	the first question does not allow families of 5! We are 5. Also, our family would very much appreciate this program.	4/30/2019 10:56 AM
129	The thing that would make this program especially useful is if it was extremely inclusive, like New York City's, an included both yard waste and ALL food waste (including cooked food) so that residents didn't have to separate food. The easier the program, the more participation you'll get! Thanks for pursuing this, I think it's a great idea.	4/30/2019 10:55 AM
130	I love this idea! It would be a great thing!	4/30/2019 10:18 AM
131	Fantastic idea!	4/30/2019 10:10 AM
132	Would we not benefit in a fine system for abusers of the rules?	4/30/2019 10:05 AM
133	I would definitely drop off my yard stuff and my food waste if there were a place to do it that was convenient.	4/30/2019 9:39 AM
134	I would absolutely love a municipal organic waste program! I would hope that it could also include food waste, animal waste (fecal) and not just yard waste.	4/30/2019 9:28 AM
135	When bags are put out and left open, why don't the collectors just empty them, instead of putting them in the truck since aren't recyclable?	4/30/2019 9:27 AM
136	We place our yard trash out for a scheduled pickup on Wednesdays, in a separate section of our yard than our household trash bin. Yet the yard trash gets collected along with the household trash. Why is this done, and why does yard trash not get composted?	4/30/2019 9:02 AM
137	I think composting would be great.	4/30/2019 8:54 AM
138	Great idea thank you!	4/30/2019 8:48 AM
139	My main concern is: How much of our recycled trash is being recycled and not just ending up in the dump. How can we educate people and prepare our recycling so it's most effective?	4/30/2019 8:44 AM
140	I would love to see a widespread collection and compost process for organic material which can then be turned into high quality products for sale. Check out Green Mountain Compost for inspiration in how this can be done either by the city or a private business. https://www.greenmountaincompost.com	4/30/2019 8:43 AM
141	It would be great if the city adopted the new general recycling labels that are being introduced all over the US, explaining in an easily understandable pictorial way what's recyclable and what should go into the trash	4/30/2019 8:42 AM
142	You're doing great!	4/30/2019 8:33 AM
143	I think it is a great idea, but I already compost. If it is implemented, would the compost be available to all city residents?	4/30/2019 8:09 AM

Organic Waste Questionnaire

144	Currently we place shrubbery clippings in paper bags and loose items in a pile by the street in a separate location from our trash/recyclables. We do this on Saturday when yard work is usually done, but it is often collected along with garbage on Tuesday instead of on Wednesday. Is there a rule that yard trash should not be placed by the street until Wednesday?	4/30/2019 7:54 AM
145	Weekly pick up compost would be wonderful	4/29/2019 7:33 PM
146	This is a great idea!!!	4/29/2019 5:16 PM

City of St. Augustine Sustainability Plan

March 2019



Prepared For: City of St. Augustine
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Table of Contents

	Page
1. Purpose.....	1
2. Sustainability Plan Development Process	2
2.1 Vision and Guiding Principles	2
2.2 Program Areas.....	2
2.3 Indicators and Targets	2
2.4 Projects and Initiatives	3
3. Guiding Principles	4
4. Program Areas	5
5. Indicators and Targets.....	6
5.1 Conservation & Waste Management	6
5.2 Communication & Education.....	6
5.3 Fleet, Facilities, & Infrastructure	7
5.4 Technology & Resources.....	7
5.5 Mobility.....	7
5.6 Planning & Development	8
6. Projects and Initiatives	9
7. Implementation.....	10
7.1 Establish a Committee	10
8. Glossary	11

List of Figures

Figure 1-1: Sustainable Best Practices Objective (excerpt from the City's Strategic Plan)	1
Figure 2-1:Sustainability Plan Framework	3
Figure 3-1: Values in the Guiding Principles.....	4
Figure 7-1: Sustainability Committee Organization.....	10

1. Purpose

The City of St. Augustine developed an internal sustainability plan for government services that will serve as a guidebook to be used internally by City staff and facilitate coordination and tracking of projects/initiatives and related information across departments.

One of the City's initiatives from the Strategic Plan is to develop City values that lead to sustainable best practices, environmental conservation and operational change that reduces the City's carbon footprint. An internal Sustainability Plan for use by government services would establish a vision and framework for developing those sustainable best practices.

Strategic Goal: VITALITY
Objective: Sustainable Best Practices
Purpose: To develop City values that lead to sustainable practices, environmental conservation and operational changes that reduce our carbon footprint. The sustainable practices objective integrates the traditional measurement of commitment to sustainability that leads to awareness. It also includes efforts at land reclamation and the recreational systems that create awareness and educational programs regarding sustainability and conservation. In addition, increase recycling programs that will result in solid waste reduction. Initiative: Develop City values that lead to sustainable best practices, environmental conservation and operational change that reduces our carbon footprint

Figure 1-1: Sustainable Best Practices Objective (excerpt from the City's Strategic Plan)

In addition to aligning with the Strategic Plan, the sustainability plan aims to provide:

- ▶ Coordination and **tracking** of projects/initiatives and related information across departments
- ▶ **Guidebook** to be used internally by government services
- ▶ Positive effect on the **triple bottom line**

2. Sustainability Plan Development Process

The City of St. Augustine Sustainability Plan was developed by imagining a successful future outcome and backtracking to identify the steps needed for success.

2.1 Vision and Guiding Principles

At the Initial Sustainability Planning Workshop, close to 20 representatives from various City departments developed criteria that identified values and behaviors related to sustainability that are important to the City. Inspiration was taken from common themes identified in the City's Strategic Plan and the 100 Resilient Cities City Resilience Framework. A few key groups of values emerged during the workshop:

- ▶ Preservation and protection of assets
- ▶ Community outreach and education
- ▶ Efficiency
- ▶ Employee Engagement
- ▶ Value/saving/planning/adaptation

These values were then developed into guiding principles which will guide decisions and operations of government services to promote sustainability.

2.2 Program Areas

The City representatives at the November workshop also looked at how to group together the goals, topics, and aspects of sustainability that can best support the City. The program areas that were identified at the workshop included:

- ▶ Fleet, Facilities, & Infrastructure
- ▶ Conservation & Waste Management
- ▶ Planning & Development
- ▶ Communication & Education
- ▶ Mobility
- ▶ Technology & Resources

2.3 Indicators and Targets

The next step was to identify two or three key indicators per program area that can be used to measure progress in those areas. Considerations included:

- ▶ What types of operational data or information are currently being collected or tracked?
- ▶ Which program areas does this data or information apply to?
- ▶ What data is currently being tracked related to City's Strategic Plan? How does that overlap with the program areas selected?
- ▶ Does the City have any goals or objectives already in place related to these areas?

Potential indicators were identified and then consolidated based on questions such as:

- ▶ Does this indicator have an impact on the City's sustainability?
- ▶ How significant are the economic, environmental, and/or social impacts related to this indicator?
- ▶ How much potential influence does the City have on this indicator?
- ▶ Is the indicator relevant, easy to understand, reliable and based on accessible data?

Targets were then identified for each indicator which can support the development and tracking of sustainability. At this stage, the City chose a target for each indicator that demonstrates the direction the indicator should go (i.e. upward trend, no downward trend) or a specific qualitative description (i.e. maintain something already in place). Several workshops were held in March 2018, each covering two program areas, with the goal to discuss potential indicators and targets. City representatives volunteered to participate in these workshops based on their areas of expertise or interest.

2.4 Projects and Initiatives

A list of projects and initiatives was gathered and documented at the Initial Sustainability Planning Workshop. This included the initiatives and projects recently completed, currently planned or in process. This list was used to establish the baseline that the sustainability plan built on.

A set of projects and initiatives were gathered during the Indicators and Targets workshops to identify and document the indicators and targets that can support each program area.



Figure 2-1:Sustainability Plan Framework

3. Guiding Principles

The guiding principles of the Sustainability Plan help to outline the City's vision of sustainability.

The values from the Initial Sustainability Planning Workshop were developed into guiding principles for sustainability.

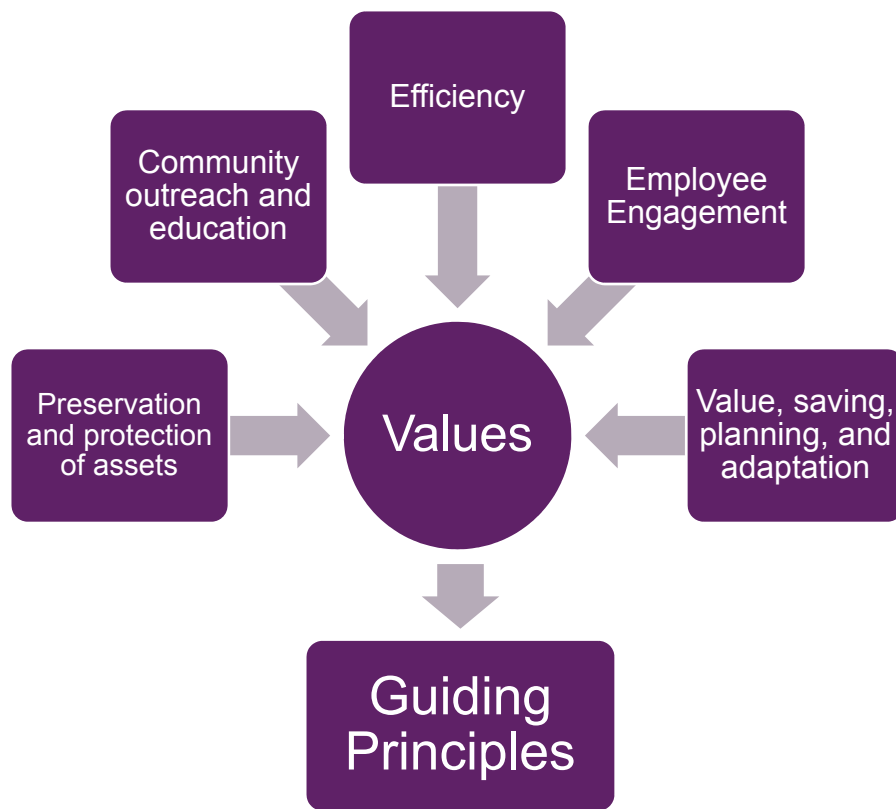


Figure 3-1: Values in the Guiding Principles

The following principles are intended to guide decisions and operations of government services in line with the City's vision of sustainability and the City's Strategic Plan. The principles will provide a framework for sustainability planning both in this document and future projects and initiatives.

- ▶ Support the **preservation and protection of assets** – including architecture, cultural elements, and the environment
- ▶ Increase awareness through **community outreach and education**
- ▶ Improve **efficiency** through operational changes, preventative maintenance, cross-training employees and the use of technology
- ▶ Strengthen strategies for **employee engagement** to encourage and motivate City staff
- ▶ Maintain **fiscal responsibility** through **planning and adaptation**

4. Program Areas

The program areas group together the goals, topics, and aspects of sustainability that are of relevance to the City.

The program areas from the Initial Sustainability Planning Workshop were each broken down into a couple of key themes or objectives. The key themes/objectives helped to facilitate the selection of indicators and targets.

The program areas, along with their key themes/objectives, are:

- ▶ Fleet, Facilities, & Infrastructure
 - ▶ Protect critical infrastructure
 - ▶ Improve energy efficiency
- ▶ Conservation & Waste Management
 - ▶ Conserve water
 - ▶ Protect eco-systems
 - ▶ Reduce waste to landfill
- ▶ Planning & Development
 - ▶ Flood mitigation
 - ▶ Sustainable construction
- ▶ Communication & Education
 - ▶ Outreach
 - ▶ Feedback
- ▶ Mobility
 - ▶ Congestion reduction
 - ▶ Event management
- ▶ Technology & Resources
 - ▶ Technology improvements (e.g. software, automation)
 - ▶ Streamline processes

5. Indicators and Targets

Indicators and targets are identified to help measure progress within each program area.

A series of three workshops were held in March 2018 to identify preliminary indicators and targets associated with each project area.

- ▶ Workshop #1: Conservation & Waste Management and Communication & Education
- ▶ Workshop #2: Fleet, Facilities, & Infrastructure and Technology & Resources
- ▶ Workshop #3: Mobility and Planning & Development

Figures summarizing the outputs from these three workshops are provided in Appendix A.

5.1 Conservation & Waste Management

Three indicators for the Conservation & Waste Management Program Area were identified based on operational data that is currently tracked:

- ▶ Potable water consumption for City-owned facilities
- ▶ Percentage of waste diverted from landfill
- ▶ Paper usage (from printers and copiers with tracking systems)

These indicators cover the themes of conserve water and reduce waste to landfill. The third theme of this program area is protecting eco-systems. A key for this theme was to find an indicator that the City would have significant influence over. For this reason, it was decided that an increase in residential programs and outreach would be a good indicator of the City's efforts to protect ecosystems. There is an opportunity to add new programs or public services announcements (PSAs) to support eco-system protection and those programs and PSAs can be tracked.

5.2 Communication & Education

The City currently has programs in place for outreach and education, but these efforts are not tracked in a collective way across City departments. One of the opportunities gained from the Communication & Education Program Area discussion was the interest in more coordination on outreach activities across departments. It was agreed that these efforts could be tracked in two main ways – the number of people reached and the number of avenues of outreach. The City aims to not only improve interest and participation in ongoing outreach activities, but also look for new ways to reach people.

Workshop participants also agreed that employee engagement was key for internal communication and feedback. By increasing recognition, incentives, and/or accountability related to sustainability, the City will encourage employees to become more involved in sustainability activities and increase awareness of those opportunities across departments. The group recognized the benefit of getting to know staff from other departments and sharing sustainability success stories.

5.3 Fleet, Facilities, & Infrastructure

Four indicators for the Fleet, Facilities, and Infrastructure Program Area were identified based on operational data that is currently tracked:

- ▶ Sanitary Sewer Overflows (SSOs)
- ▶ Sunny day flooding events
- ▶ Electricity consumption in City-owned facilities
- ▶ Pieces of solar equipment

These indicators cover the themes of protecting critical infrastructure and improving energy efficiency. Another theme of this program area is fleet operations, for which progress could be measured by turnaround time on fleet maintenance. While hands-on time for fleet maintenance is tracked, the overall turnaround time, including downtime, is not tracked. The City will update fleet maintenance tracking to include a complete turnaround time metric.

5.4 Technology & Resources

Central to the Technology & Resources Program Area is the theme of technology improvements. An indicator to track progress in technology improvements is to look at the investments being made to support sustainable initiatives. The City understands that the first step to being able to invest in improvements is to evaluate their needs. The initial target for this indicator is to complete an IT needs assessment. A second theme that was identified within the Technology & Resources Program Area is to streamline processes. One of the key topics that came up during workshops with the City has been a collective interest in making processes more efficient. Further brainstorming led to the identification of three indicators to support this objective:

- ▶ Open vs Closed Work Orders
- ▶ Opportunities for Employee Training
- ▶ Going Paperless Initiatives

The first goal for each of these indicators is the identification of barriers and opportunities.

5.5 Mobility

Two key types of mobility were discussed – general congestion reduction and event management. This is consistent with the overall Strategic Plan objectives for mobility planning, as well as, the strategic plan initiative to develop and monitor comprehensive policies to facilitate community events. The indicators identified to support event management were taken from operational data currently tracked – shuttle usages and parking garage utilization. The goal is to increase shuttle usage and maintain high parking garage utilization since the garage is already reaching maximum capacity many days out of the year. Defining an indicator for congestion reduction was less straightforward. The feedback during the workshop came down to an acceptance of people driving to the City, but a desire to encourage alternate ways to get around within the City once there, especially within the core historic district. It was agreed that, initially, this could be measured by looking at the number and availability of alternate transportation options within the City.

5.6 Planning & Development

Two main themes emerged for looking at sustainability within the area of Planning and Development – flood mitigation and sustainable construction/development. Within each of these themes there are active initiatives that can be opportunities for looking at and improving sustainability. The indicators and targets selected for this program area related to those initiatives. For flood mitigation, maintaining or improving the Community Rating System (CRS) rating for the City is a way to track improvements in sustainability. Sustainable construction/development relates directly to the City's Comprehensive Plan. Having a Comprehensive Plan that supports sustainability is key, and the City can consider sustainability initiatives in the current update period.

6. Projects and Initiatives

Through the Sustainability Plan development process, projects and initiatives were identified that could help achieve the City's goals and vision.

A list of current projects and initiatives was compiled based on information collected during and after the initial workshop. For each project/initiative, the following information was noted (as available):

- ▶ Project name
- ▶ Description
- ▶ Contact person/department
- ▶ Timeline
- ▶ Anticipated benefits/savings
- ▶ Cost and/or payback
- ▶ Program areas impacted

The list of current projects/initiatives can be found in Appendix B.

Ideas for potential projects and initiatives were also shared during the Indicators and Targets workshops. For each project/initiative, the following information was noted (as available):

- ▶ Project name
- ▶ Description
- ▶ Department
- ▶ Anticipated benefits/savings
- ▶ Program areas impacted

The list of ideas for projects/initiatives can also be found in Appendix C.

7. Implementation

This section outlines the next steps to implementing sustainability throughout government services.

This section describes some key short-term steps to achieving the sustainability vision and guiding principles outlined in this plan.

7.1 Establish a Committee

The first recommended step is to establish a committee to oversee implementation of the sustainability plan and begin tracking of the indicators selected. The format of the committee will include:

- **Sustainability Program Manager:** The program manager will be a champion for sustainability across all government services departments.
- **Program Area Champions:** A champion will be identified for each of the 6 program areas to oversee collection of data and encourage implementation of projects and initiatives.
- **Data Managers:** As needed, data managers will be assigned to collect data for particular indicators and identify critical assets that require data management and tracking.

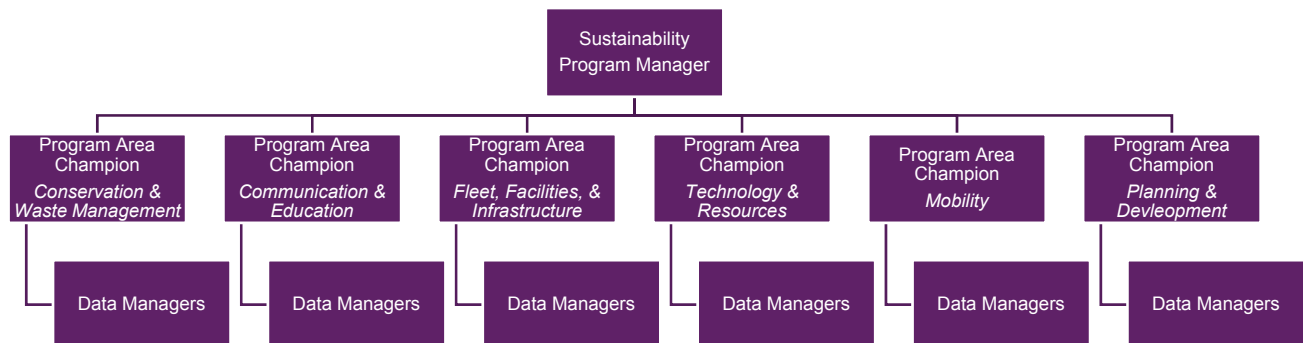


Figure 7-1: Sustainability Committee Organization

8. Glossary

- ▶ **Carbon Footprint:** Individual or city-wide accountability of all greenhouse gas emissions resulting from everyday activities.
- ▶ **Greenhouse Gasses:** Gasses such as Carbon Dioxide, Nitrous Oxide, Water Vapor and Methane that trap heat near the Earth's surface.
- ▶ **Community Rating Score (CRS) Rating:** FEMA program aimed at reducing flood damages and floodplain management by providing incentives to communities associated with the NFIP.
- ▶ **Conservation:** Efficiency in resource usage in the different program areas.
- ▶ **Critical Infrastructure:** Infrastructure that is necessary for everyday life within the city.
- ▶ **Event blackout dates:** Dates on which major events or festivals cannot be scheduled.
- ▶ **Guiding Principles:** Fundamental points and areas of interest used to construct the sustainability plan.
- ▶ **Indicators:** Factors associated with progress in the different program areas described within the plan.
- ▶ **IT:** Technology that allows for the transfer of Information within the city.
- ▶ **King Tides:** Common name for a Spring Tide; higher than normal high tide events during full or new moons. Usually the highest high tides of the year.
- ▶ **Mobility:** Ability to move people, goods, assets through the city.
- ▶ **Program Areas:** Areas used to group together all related aspects of sustainability that are of interest to the city.
- ▶ **Resilience:** The ability to withstand acute and/or chronic, shocks and/or stressors.
- ▶ **Sanitary sewers:** Underground piping linked to residences that transport sewage and wastewater to a treatment plant. Alternative to septic tanks.
- ▶ **Solar equipment:** Equipment that utilizes solar panels for power, decreasing reliance on the grid or fuel sources. Ex. Solar powered trash compactors.
- ▶ **Strategic Plan:** Comprehensive plan developed by the city to guide future growth and maintenance of the municipality its community and the surrounding environment.
- ▶ **Sunny day flooding:** Flooding associated with King/Spring Tides or other tidal flooding events. Instances of Sunny Day flooding are increasing around the country as a result of Sea Level Rise.
- ▶ **Sustainability:** Future viability of the City of St. Augustine in the face of different shocks and stresses.
- ▶ **Targets:** Goals or Objectives within each program area that were identified utilizing the indicators outlined in the plan by the city.
- ▶ **Themes/Objectives:** Similar topics or areas of interest to the city in relation to different program area indicators.

Appendix A

Figures from Indicators and Targets Workshops

Figure 1: Conservation & Waste Management

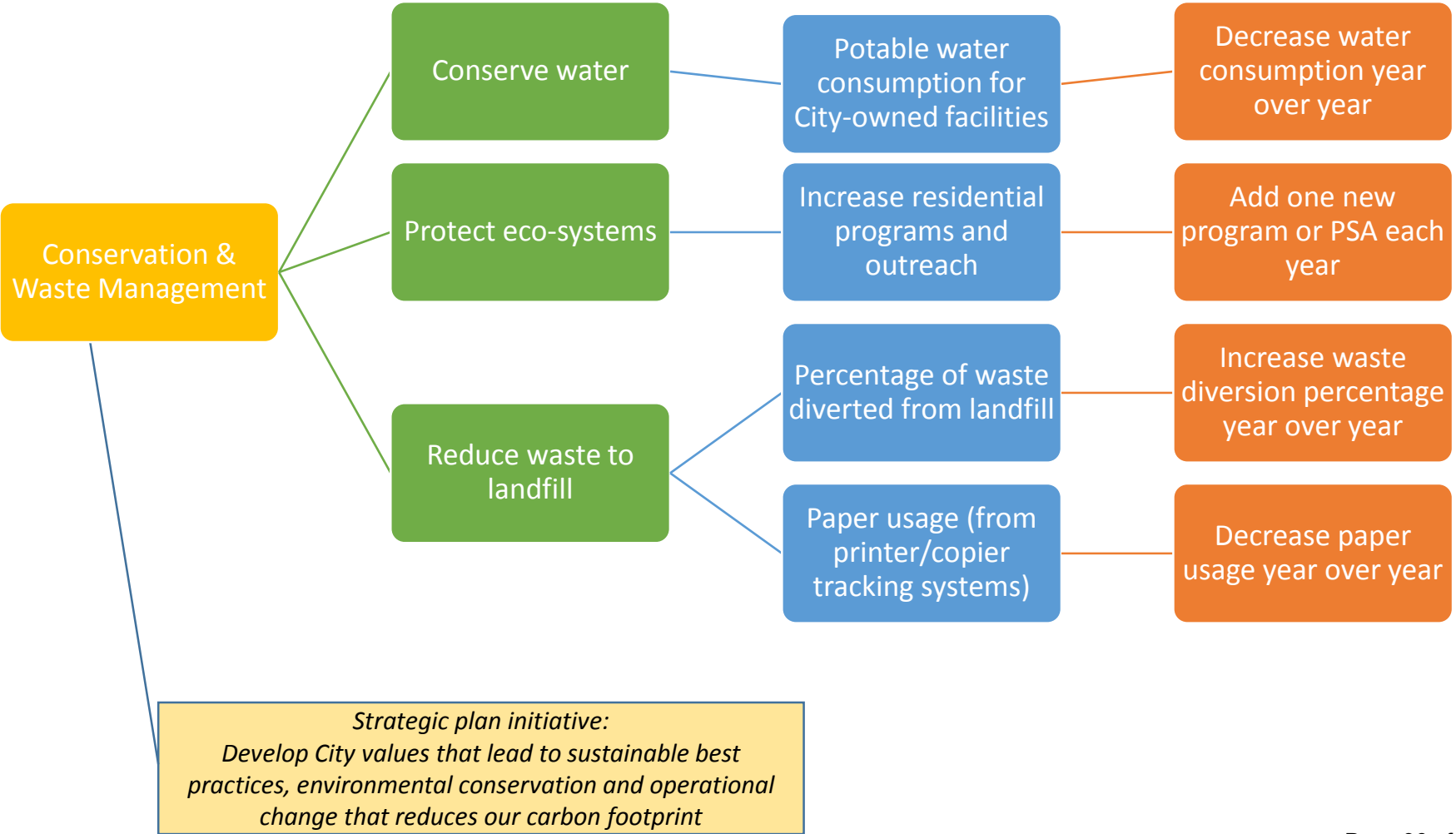


Figure 2: Communication & Education

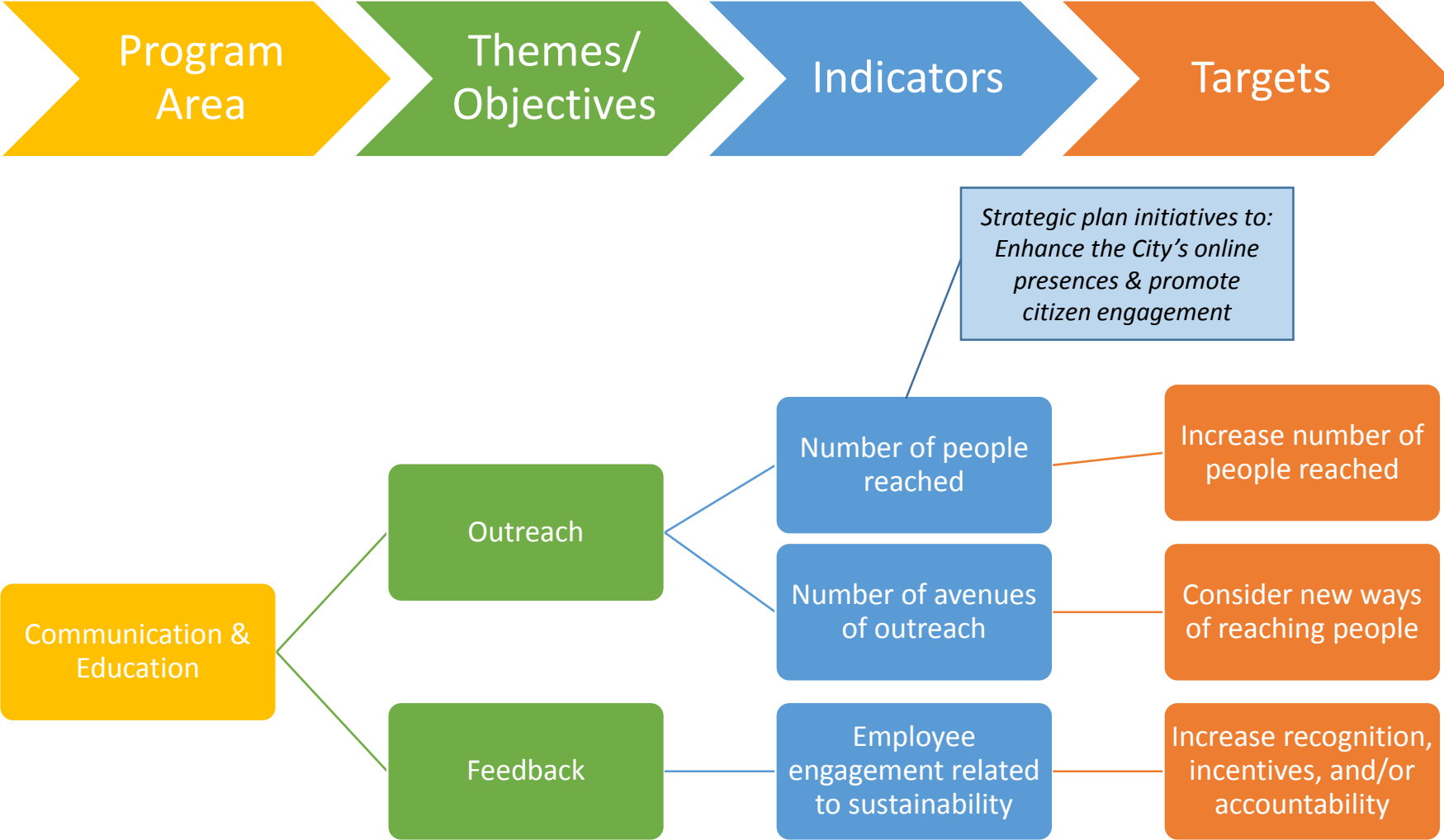


Figure 3: Fleet, Facilities, & Infrastructure

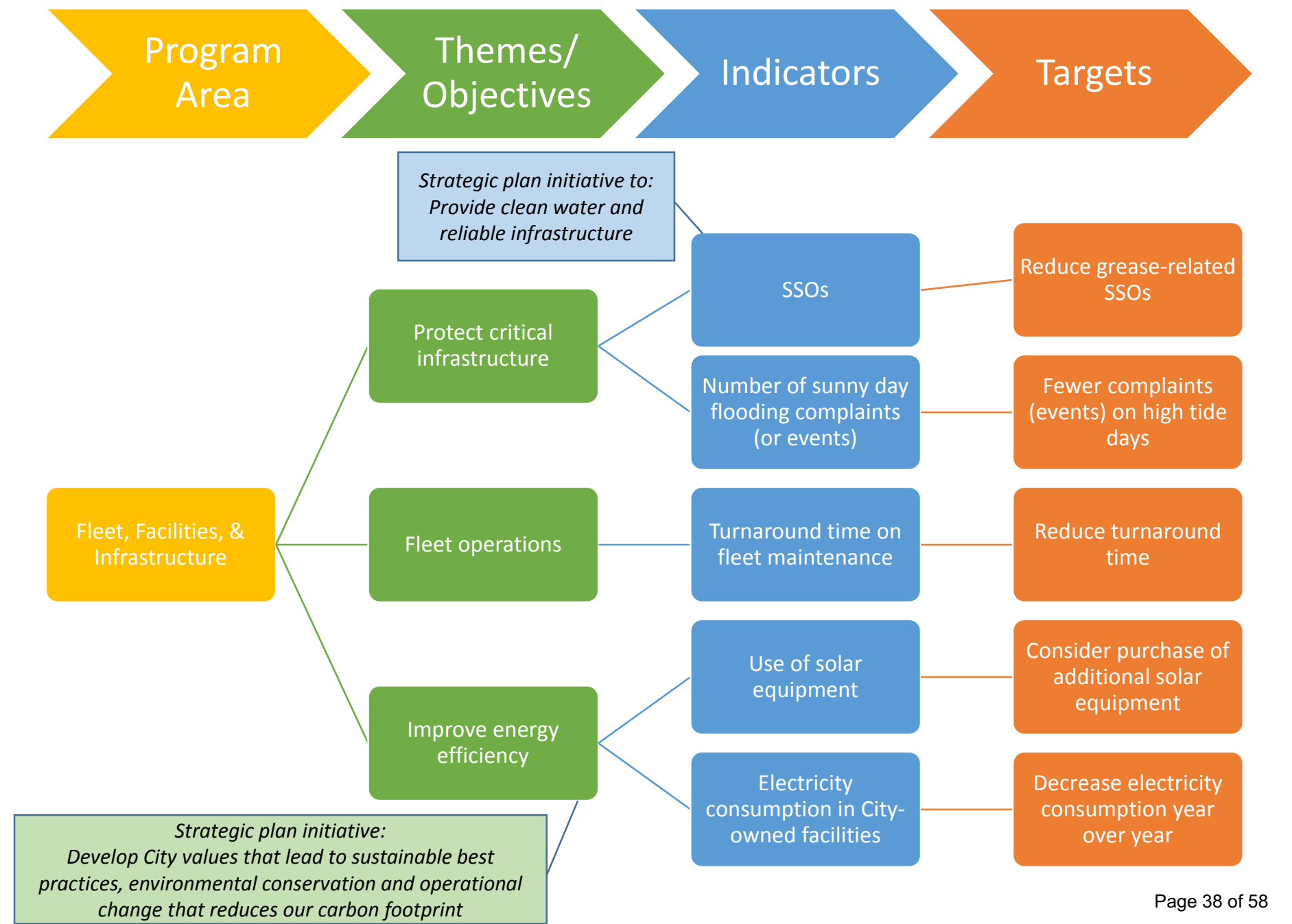


Figure 4: Technology & Resources

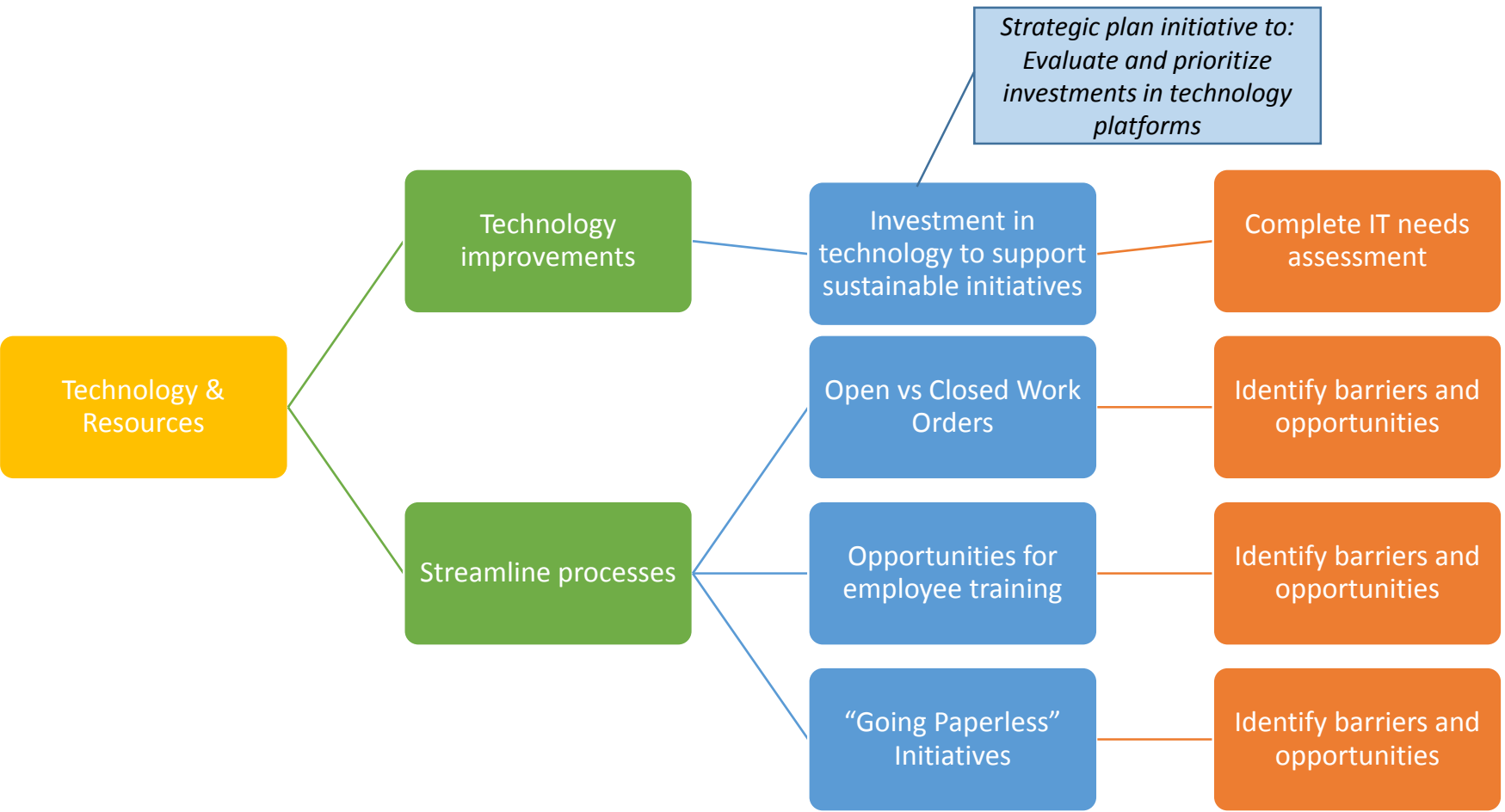


Figure 5: Mobility

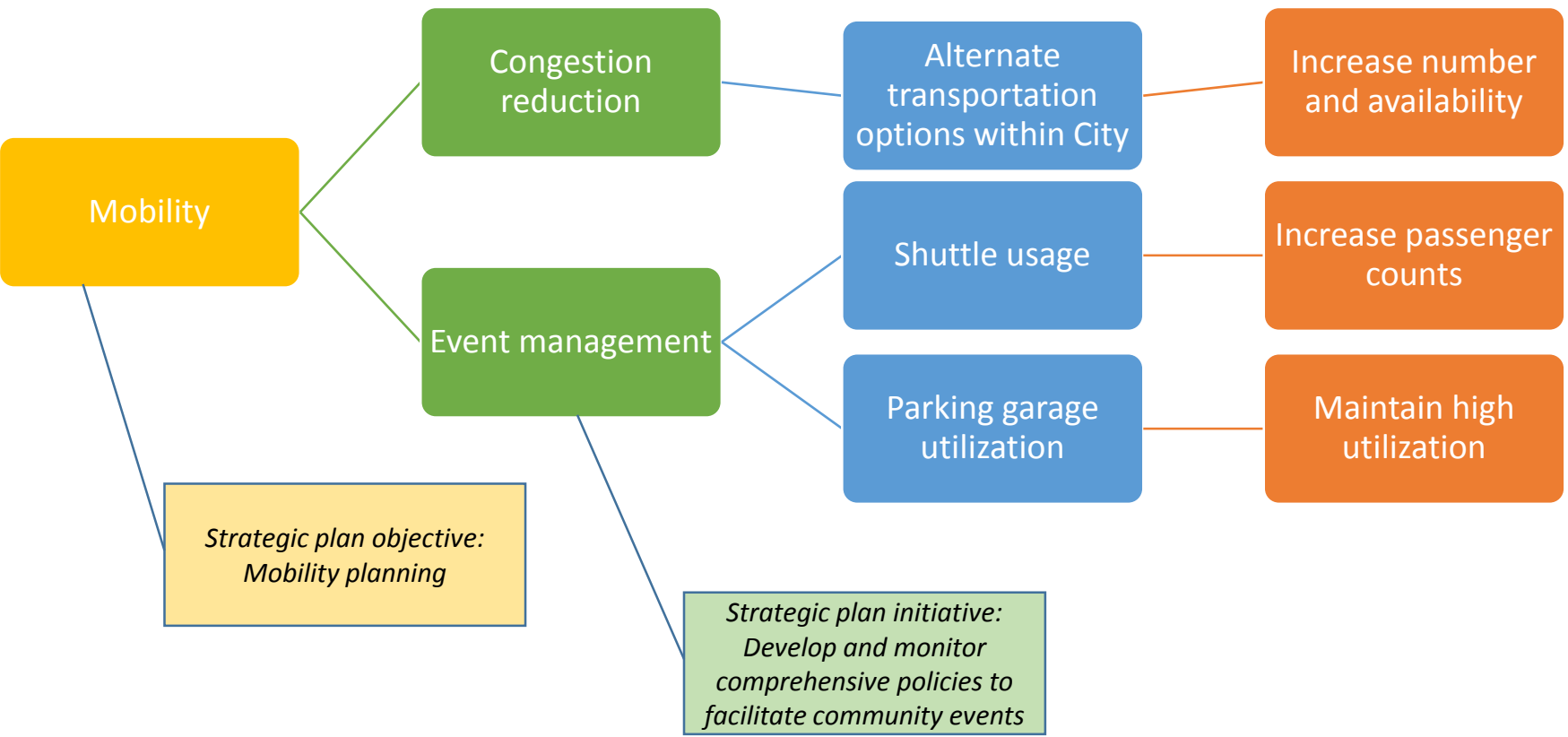
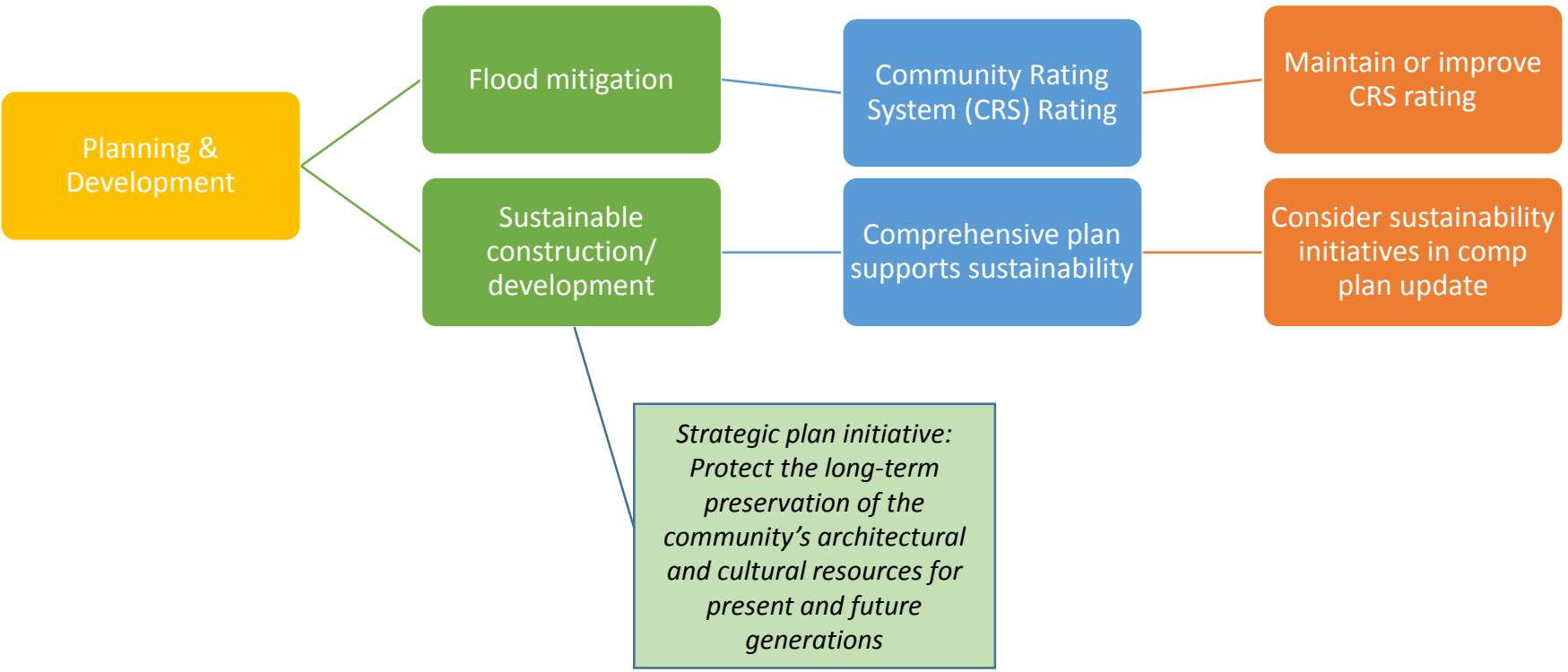


Figure 6: Planning & Development



Appendix B

Table of current projects/initiatives

Appendix B: Current projects/initiatives							Fleet, Facilities, & Infrastructure	Conservation & Waste Management	Planning & Development	Communication & Education	Mobility	Technology & Resources
Project/Initiative Name	Description	Department	Contact person	Timeline	Anticipated benefits/ savings	Cost or Payback Period	Program Areas Impacted					
Automatic water meters	Automatic meter reading	Public Works	Todd Grant	Within 5 yrs	Save on operational costs; increase efficiency and accuracy	\$5 million	X				X	X
Stormwater tidal valves	17 stormwater valves initially; master plan under development for long term	Public Works	Jessica Beach			\$560,000	X		X		X	X
Box culvert replacement (South Dixie Highway)	S.D.H. Improvements	Public Works	Jessica Beach	3 to 5 years		\$560,000	X		X		X	
Utility rehabilitation (stormwater)	Utility rehabilitation (stormwater)	Public Works	Jessica Beach				X	X	X		X	X
LED projects	LED type Projects	Public Works	Todd Grant	1-3 yrs			X	X				X
Anastasia Island Fire Station replacement	build new modern facility; will also serve as emergency distribution center	Fire Department	Carlos Aviles	6 years	more fire fighters; better equipment	\$2.8 million	X		X			X
New lift stations	New design requirements to make lift stations more resilient, build them up	Utilities	Stephen Slaughter	2 years	coordination with FEMA/State for funding	\$10 million	X	X	X			X
Transportation plan	Massive transportation plan to relieve traffic congestion	Mobility Office	Reuben Franklin				X		X		X	X
Shuttle utilization	Shuttle during peak times		"X" Pellicier				X		X	X	X	X
Electronic license plate reader			Reuben Franklin							X		X
Parking app			Reuben Franklin				X		X	X	X	X
Water main replacements	Replacing 10" water mains	Public Works	Stephen Slaughter		Improve water quality		X		X			X
Historic preservation master plan	Creation of master plan (city and private sector)	Historic Preservation	Jenny Wolfe		Encourage/allow more advanced/alternate building materials		X	X	X	X		X
Smart metering system		Parking	Tara Bennie		increase efficiency (less with collection agency)		X		X	X	X	X
Annual water audit		Environmental compliance	Glabra Skipp					X	X			X
Fats, oils and grease program	sewer spills	Environmental compliance	Glabra Skipp				X	X	X			X
WWTP tower replacement		WWTP	Steve Curmode/Marcus Pinson				X	X	X			X
Biosolids to compost		WWTP	Steve Curmode									
Recycling programs	tires, batteries, electronics, etc.	Solid Waste	Olivia Smith		considerations: rate reductions, relationship stability with vendors		X	X	X	X		
Collection vehicles	fully-automated collection vehicles	Solid Waste	Rick Stevens				X	X	X		X	X
Food compost		Solid Waste	Olivia Smith				X	X	X	X		
Solar compactor	one compactor at park	Solid Waste	Rick Stevens		very efficient, implement around city		X	X				X
Software	integrate software to provide info to citizens and tie into work orders, billing, etc.	Solid Waste	Olivia Smith					X	X	X		X

Appendix B: Current projects/initiatives							Fleet, Facilities, & Infrastructure	Conservation & Waste Management	Planning & Development	Communication & Education	Mobility	Technology & Resources
Project/Initiative Name	Description	Department	Contact person	Timeline	Anticipated benefits/ savings	Cost or Payback Period	Program Areas Impacted					
Parking garage payments	pay on exit (non peak days)	Parking Garage	Jessica Joyce	January 2019	better utilization				X		X	X
Parking garage structural assessment	minimal repair/ structural engineer analysis	Parking Garage	Jessica Joyce				X		X		X	X
Streamline job application process	electronic process	Human Resources	Donna Hayes				X		X	X		X
Data tracking and reporting	interest in tracking; better reporting method	City Commissioner	Leanna Freeman		present to public; expand focus on sustainability				X	X		X
Light sensors	added to common areas and some offices	Facilities	Jim Piggott		ongoing project		X	X				X
Lighting improvements	changing out lights from T12 to T8 and adding LED lights	Facilities	Jim Piggott/Tim Shields	need about 10 years to complete entire city	saves money on power needed/used and frequency of replacement		X	X				X
Lightner building fuel conversion	LP to natural gas	Facilities	Jim Piggott/Tim Shields		cost effective		X	X	X			X
New boiler		Facilities	Jim Piggott/Tim Shields	post-Matthew	more energy efficient model		X	X	X			X
New chiller		Facilities	Jim Piggott/Tim Shields	6-7 years ago	more efficient model		X	X	X			X
New generator at police department	natural gas model	Facilities	Jim Piggott/Tim Shields		more efficient model		X	X	X			X
City Hall window replacement		Facilities	Jim Piggott/Tim Shields	ongoing	have 40-50 more windows to install		X	X	X			
Trash can replacement	Upgrade current HARB approved trash cans	Facilities	Jim Piggott/Tim Shields				X	X	X			
Used motor oil recycling	vehicle oil and other oil absorbent material (rags, oil filters, etc)	Fleet	Jim Piggott/Carl Masters				X	X				
Fuel efficient cars	purchased smaller and more fuel efficient cars for parking enforcement	Fleet	Jim Piggott/Carl Masters				X	X	X		X	X
Garage heater fuel type	run by LP, not electricity	Fleet	Jim Piggott/Carl Masters		cost savings		X	X	X			X
Reuse of City vehicles	old Police vehicles reused in City fleet	Fleet	Jim Piggott/Carl Masters				X	X	X		X	X
Eliminated vehicle painting	stopped painting new City vehicles brown; purchase white	Fleet	Jim Piggott/Carl Masters				X	X	X		X	
Reuse of vehicle parts	police or other vehicles that are damaged are repaired and used on other fleet vehicles	Fleet	Jim Piggott/Carl Masters				X	X	X		X	X
Garbage truck tire retread/recycling	retread up to 3 times; then recycled and made into playground mulch	Fleet	Jim Piggott/Carl Masters		longer use		X	X	X		X	X
Metal recycling	metal parts removed from vehicles are taken to solid waste to be recycled	Fleet	Jim Piggott/Carl Masters				X	X	X		X	
Reduction in dock washing	reduced number of times docks are washed	Marina	Jim Piggott/Sam Adukiewicz	within last year	water savings		X	X	X			X
"Clean and Resilient" Marina		Marina	Jim Piggott/Sam Adukiewicz		first one credited in the state of Florida		X	X	X	X		X
Free pump outs program	offered at City marina	Marina	Jim Piggott/Sam Adukiewicz		purchased pump out boat to pump other vessels out		X	X	X	X		

Appendix B: Current projects/initiatives							Fleet, Facilities, & Infrastructure	Conservation & Waste Management	Planning & Development	Communication & Education	Mobility	Technology & Resources
Project/Initiative Name	Description	Department	Contact person	Timeline	Anticipated benefits/ savings	Cost or Payback Period	Program Areas Impacted					
Used motor oil recycling	vehicle oil and other oil absorbent material (rags, oil filters, etc)	Marina	Jim Piggott/Sam Adukiewicz				X	X	X			
Recycling programs	printer cartridges, cell phone & flashlight batteries, cardboard, fluorescent lights, plastic	Purchasing	Jim Piggott/Sharon Whitner				X	X	X			
LED lighting	Warehouse/fleet side	Purchasing	Jim Piggott/Sharon Whitner	ongoing	half have been converted to LED; other half are being converted this year		X	X				X

Appendix C

Table of ideas for projects/initiatives

Appendix C: Ideas for projects/initiatives					Fleet, Facilities, & Infrastructure	Conservation & Waste Management	Planning & Development	Communication & Education	Mobility	Technology & Resources
Project/Initiative Name	Theme/Objective	Description	Department	Anticipated benefits/ savings	Program Areas Impacted					
Internal contact list	Know who to contact if there are city issues	List of contact	All	Increase efficiency for customer service	X	X				
Rain Barrels	Protect eco-systems / Conserve Water	Capture and storage of rainwater for future use	Public Works	Conserve water; decrease water consumption year over year		X				X
Eco-system Outreach Program	Protect eco-systems / Outreach	Educate the community about protecting eco-systems	Public Works/Public Affairs	Knowledge learned will be implemented into actions and reactions for overall increased protection		X	X	X		
Eco-system PSA	Protect eco-systems / Outreach	Public awareness for protecting eco-systems	Public Works/Public Affairs	Knowledge learned will be implemented into actions and reactions for overall increased protection		X	X	X		
Waste Streams	Reduce waste to landfill	Increase number of waste streams with opportunity for diversion	Public Works	Increase waste diversion percentage year over year	X	X	X		X	
Compost and Organic Waste	Reduce waste to landfill	Encourage composting of Organic Wastes	Public Works	Increase waste diversion percentage year over year	X	X	X		X	
Mandatory Commercial Recycling Program	Reduce waste to landfill	Implement a mandatory commercial recycling program	Public Works	Increase waste diversion percentage year over year	X	X	X		X	
Outreach Coordination Meetings	Outreach	Quarterly meetings	All	Increase the number of people reached			X	X		
Website Outreach	Outreach	Add links to other pages on website	Public Affairs	Increase the number of people reached			X	X		X
Customer Service Center Bulletin Board	Outreach	Add brochures/flyers to bulletins boards in lobby of Customer Service Center	Customer Service	Increase the number of people reached			X	X		X
Sustainability Awards	Feedback	Establish recognition: Sustainability "all-star" program	Boards & Committees	Encourage people at an individual level to practice more sustainable habits	X		X	X		X
Tidal Valves	Protect Critical Infrastructure	Install Tidal Valves to stormwater drains	Public Works	Reduce flooding effects associated with King Tides, Storm Surge and severe storm events	X		X			X
Time Utilization	Fleet Operations	Avoid common downtime / breaks amongst mechanics	Fleet Maintenance	Decrease turnaround time on fleet maintenance						
Energy Audit	Improve Energy Efficiency	Examine electrical consumption within city-owned facilities	General Services	Decrease electricity consumption year over year	X	X	X			X
Purchasing Solar Equipment	Improve Energy Efficiency	Use of solar equipment vs. traditional energy	General Services	Decrease electricity consumption year over year; consider additional purchases of solar equipment	X	X	X			X
IT Evaluations	Technology Improvements	Determine capacity for technological improvements	General Services	Complete IT needs assessment, determine feasibility of investment in technology to support sustainable initiatives	X		X			X
Develop an Internal Contacts Directory / Website	Technology Improvements / Streamline Process	Allow all new employees to have easy access to required information and personnel	Human Resources	Streamline the hiring process and create opportunities for employee training	X		X	X		X
Tours for all new Employees	Streamline Process	Opportunities for employee training	All	Be able to add new training opportunities	X		X	X		X
Fees / Permitting for Commercial Delivery Vehicles	Congestion Reduction / Event Management	Provide alternate transportation options within the city	Mobility	Increase number and availability of transportation options, maintain high utilization of city attractions	X		X		X	X
Bike Share Program	Congestion Reduction	Provide alternate transportation options within the city	Mobility	Increase number and availability of transportation options, maintain high utilization of city attractions	X		X		X	X
Traffic Flow Changes	Congestion Reduction / Event Management	Diverting traffic in single direction at the Bridge of Lions	Mobility	Allowing more vehicles to flow in and out of Historic District at times of heavy congestion	X		X	X	X	
Public Transit Study	Congestion Reduction	Integrate parking and parking garage data to direct people on where to park when the garage is full; Use of License plate camera	Mobility	Provide knowledge to the public on where to park, in order to increase patronage to events/businesses in Historic District	X		X	X	X	X

Appendix C: Ideas for projects/initiatives					Fleet, Facilities, & Infrastructure	Conservation & Waste Management	Planning & Development	Communication & Education	Mobility	Technology & Resources
Project/Initiative Name	Theme/Objective	Description	Department	Anticipated benefits/ savings	Program Areas Impacted					
Increasing Locations / Capacity for Satellite Parking	Event Management	Increase parking for events and businesses within the Historic District	Mobility	Provide more parking for consumers wanting to visit the Historic District as well as reduce congestion of individuals trying to find parking	X		X		X	
Formalizing Shuttle Program	Event Management	Owning shuttles vs leasing them	Mobility	Increased availability of shuttles as alternate source of transportation in and out of Historic District	X				X	X
Blackout Dates for Events	Event Management	Determine resolution for "blackout dates" for events (dates on which major events are not allowed to be scheduled)	Public Affairs	Secure and ease of scheduling for events			X			X
Residential Parking Zone Ordinance	Event Management	Pending ordinance relating to Residential Parking Zones	Mobility	Allow residence access to parking at home despite the high influx of individuals for events			X	X	X	
Improve CRS rating	Flood Mitigation	Updated Flood Mitigation Plan should improve rating by one or more points	Public Works/GIS	Maintain or improve CRS rating		X	X	X		
Flood Mitigation Incentive, Comprehensive Plan	Flood Mitigation / Sustainable Construction / Development	Make incentives available for flood mitigation (pier construction, bio swales, etc.) that give bonus on impervious surface	Planning & Building	Ensure Comprehensive plan supports sustainability which will, long term, help mitigate flooding	X	X	X	X		X
Utility Infrastructure Flood Plain Analysis	CIP Planning	Visual analysis of current infrastructure located within various depth grids	GIS	CIP planning tool for construction siting and stormwater improvements	X		X			X
Convert to electronic documentation	Paper consumption	Utilize current technology to eliminate excessive paper use	All	Operational cost reduction, increase process flow	X	X	X	X	X	X

Sustainability Workshop

Glabra Skipp
Environmental Program Coordinator

Rick Stevens
Solid Waste Supervisor

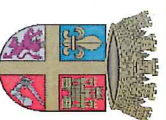
Olivia Smith
Recycling Coordinator

Mark Hartley
Streets & Grounds Manager

Reuben Franklin, P.E.
Public Works Director

Todd Grant
Utilities Director

February 19, 2020



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Internal Sustainability Plan

➤ Program Areas

- Fleet, Facilities & Infrastructure
- Conservation & Waste Management
- Planning & Development
- Communication & Education
- Mobility
- Technology & Resources

➤ Current Projects/Initiatives

➤ Ideas for Projects/Initiatives

➤ Next Steps



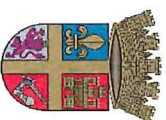
City of St. Augustine Sustainability Plan

March 2019



Prepared For:

City of St. Augustine
75 King Street
St. Augustine, Florida 32084



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Organic Waste Initiative

➤ Survey conducted

May 2019

○ Results

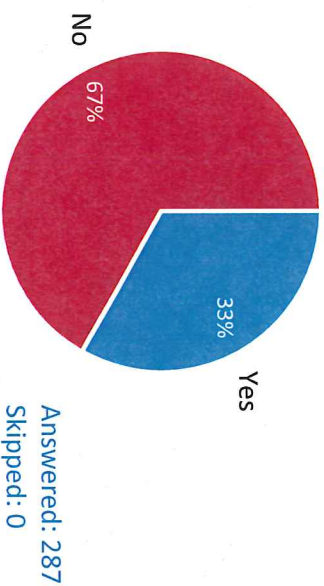
➤ Options

○ Curbside service

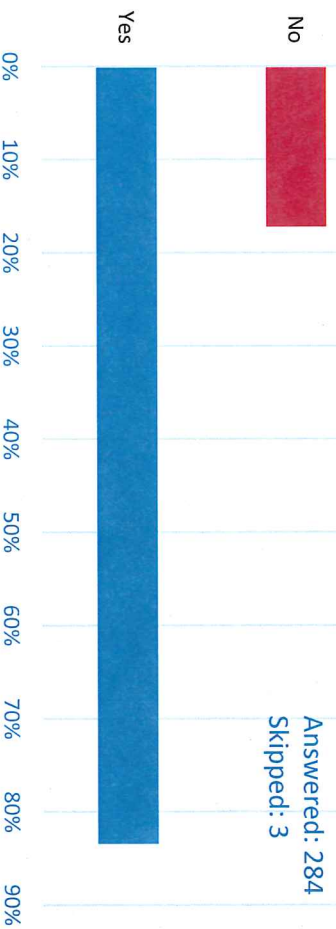
○ Backyard composter

○ Contract service

Do you currently compost organic waste?



If the City implemented a composting program for collecting organic waste separately, would you participate?



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Organic Waste Initiative

Pilot Curbside Service

- City to provide service for both residential and commercial customers
- Conduct minimum 6-month pilot study
- Upfront Cost
 - * Bin - Residential \$15/each x2
 - Commercial \$40/each
 - 250 participants = \$8k
 - * Equipment - \$55K
 - * Labor - \$130K
 - * Total - \$193K
- User fee - Residential - \$8/month
 - Commercial - \$12/month
- Disposal Cost - \$35/ton
- Pilot to determine level of participation, volume, disposal costs and final monthly user fee

Composter

- City to provide compost bin
- Compost bin stays with the property
- Upfront Cost
 - * Compost Bin - \$30/unit (volume price)
 - * 500 customers - \$15K
- ROI – 4 years (based on MSW diverted)
- 100% Participation Costs
 - * Compost Bin \$177K (5900 customers)
- ROI – 4 years

Contractor

- City to issue Request for Proposal
- Contractor to provide all labor, equipment, etc.
- Still subscription based



Tree Canopy Enhancement

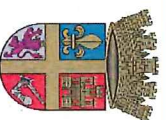
➤ General Information & Current Operations

- City plants trees within the right-of-way or city-owned green space

Tree replacement per city code

Pros and Cons – Limited room, create future hazards

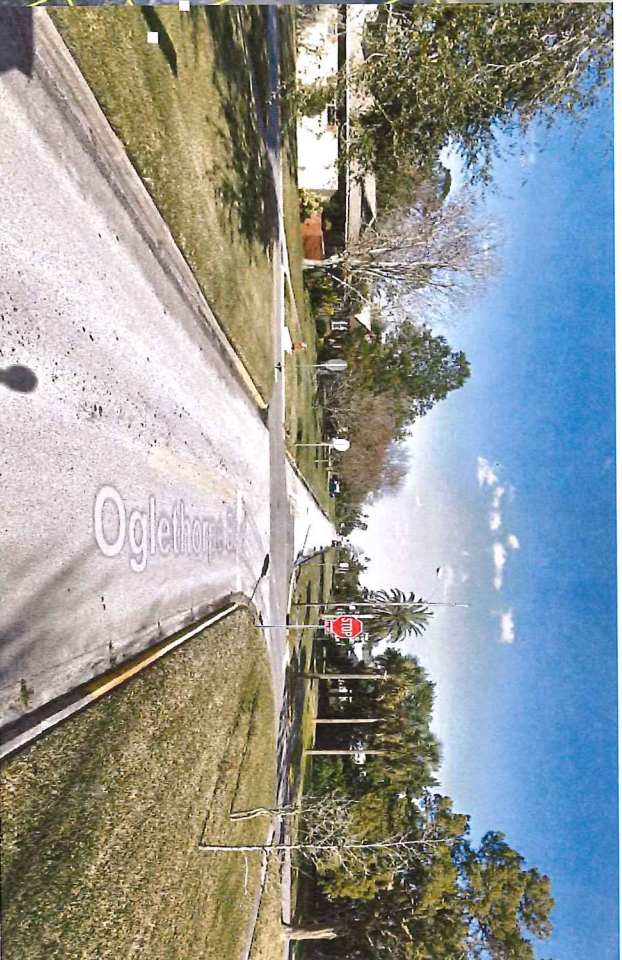
- Tree City USA – 36 years
- Street Tree Advisory Committee
- Arbor Day – 250 – 300 saplings with trees planted in green space
- 57 Species – Palms – 51%, Oak – 20%, Crape Myrtle - 6%, Cedar – 4%
- Canopy Loss* – 30% (2016-2020) – Development/Storms



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Tree Canopy Enhancement

➤ Next Steps – Residential Right-Of-Way Tree Request

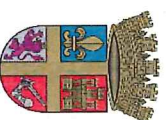
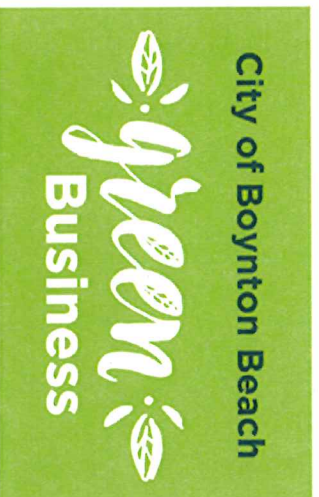


Arbor Day, Everyday Initiative

Private property tree planting request

Business Recognition Program

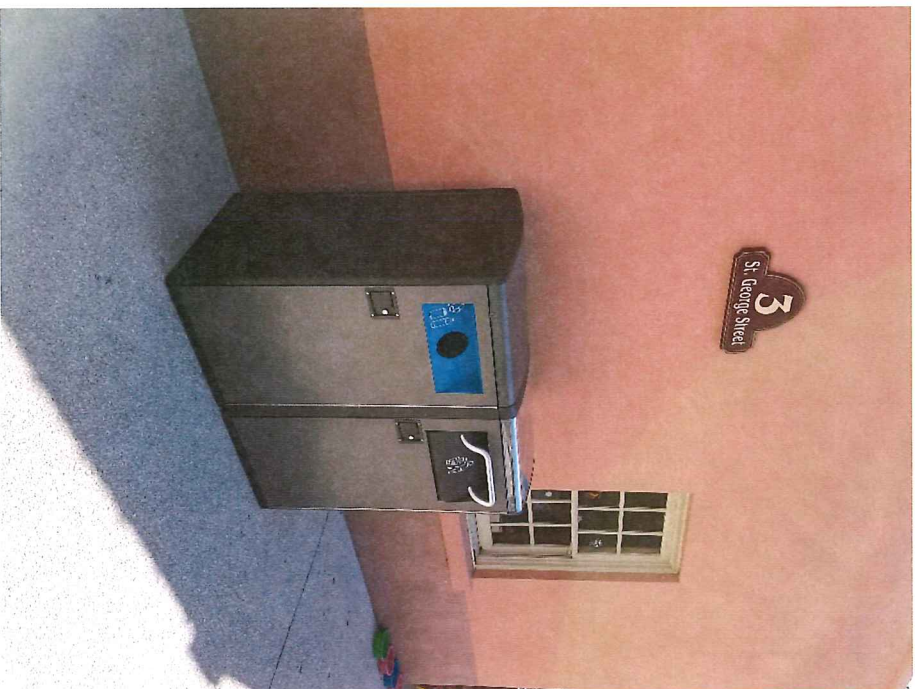
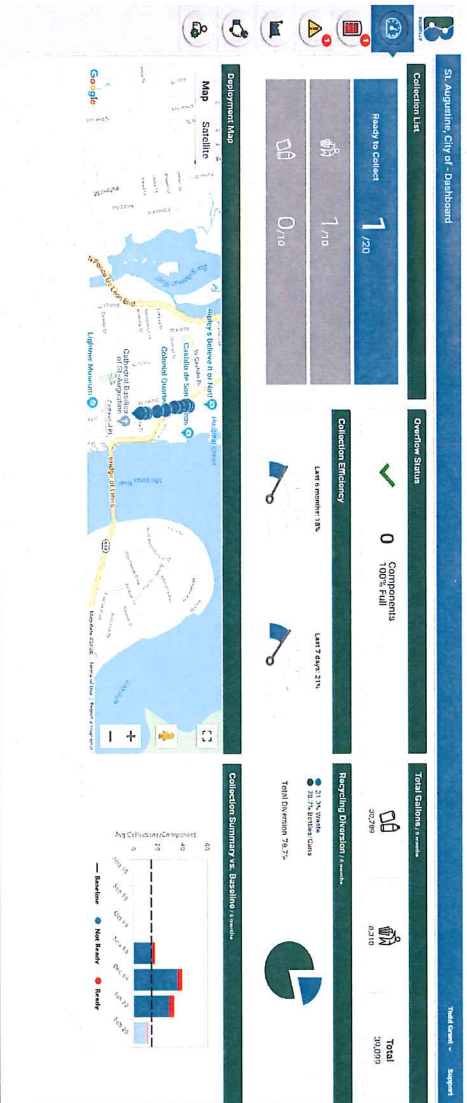
- Collaboration with Flagler College
 - Developing logo
- Program criteria



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Big Belly Solar Trash Cans

- 10 pairs recycling/trash cans installed
- Remote monitoring - <https://clean.bigbelly.com/>
- Benefits
 - Less recycling contamination
 - Fewer plastic bags – 50% reduction
 - Labor savings – 14 Hours/Week



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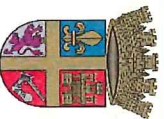
FPL LED Street Light Program & Utility Undergrounding

Current Underground Projects



Street Light Replacement

- FPL replaces existing light (HPS) with LED fixture
- No cost to city



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