Clean Energy Communities Baseline Metrics

Final Appendix

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Appendix A Survey Sample Characteristics

This appendix contains a breakdown of the characteristics of the sampled communities. Tables A-1 and A-2 contain the breakdown as reflected by the Priority distribution when we designed our sample and collected data. After sample design and execution, one municipality was reassigned from Priority 3 to Priority 1.

Table A-1. Population and Sample Characteristics Breakdown*

Characteristics	Population						Surveyed Sample			
	Total		Priority 1		Priority 2-4		Priority 1		Priority 2-4	
	N	%	N	%	N	%	N	%	N	%
Total	1600	100%	80	100%	1520	100%	37	100%	67	100%
Type										
County	62	4%	10	13%	52	3%	5	14%	2	3%
City	62	4%	28	35%	34	2%	13	35%	2	3%
Town	932	58%	33	41%	899	59%	15	41%	39	58%
Village	544	34%	9	11%	535	35%	4	11%	24	36%
Location										
Upstate	1275	80%	58	73%	1217	80%	27	73%	56	84%
Downstate	325	20%	22	27%	303	20%	10	27%	11	16%
Size										
Large	102	6%	28	35%	74	5%	12	32%	5	7%
Medium	436	27%	44	55%	392	26%	21	57%	14	21%
Small	1062	66%	8	10%	1054	69%	4	11%	48	72%
Segment										
Green Committed	236	15%	70	88%	166	11%	33	89%	8	12%
Economic Stimulators	532	33%	6	7%	526	35%	2	5%	20	30%
Fiscal Hawks	832	52%	4	5%	828	54%	2	5%	39	58%
Prior Program Participation										
Yes	500	31%	78	98%	422	28%	37	100%	25	37%
No	1100	69%	2	2%	1098	72%	0	0%	42	63%

* Subsequent to sample design and data collection, one municipality was reassigned from Priority 3 to Priority 1. This table reflects the sample breakdown prior to that reassignment.

Table A-2. Population and Sample Breakdown by Priority Number*

Priority	Strata	Population		Surveyed Sample		
		N	%	N	Weighted N	Weighted %
Priority 1	Stratum 1	80	5%	37	80	5%
Priority 2	Stratum 2	110	7%	9	205	13%
Priority 3	Stratum 2	547	34%	24	544	34%
Priority 4	Stratum 2	863	54%	34	771	48%
Total		**1600**	**100%**	**104**	**1600**	**100%**

* Subsequent to sample design and data collection, one municipality was reassigned from Priority 3 to Priority 1. This table reflects the sample breakdown prior to that reassignment.

Appendix B   Survey Disposition Results

This appendix presents the number of communities in our sample frame, the number contacted, the number of survey completes, the number of refusals, and completion rate as a proportion of those contacted.

Table B-1. Survey Dispositions

Total Number in Sample Frame	Contacted	Completed	Refused	Completion Rate
480	333	104	4	31%

Appendix C Early Program Outcomes

This appendix presents information on the number of communities completing actions at the time of the survey in May 2017.

Table C-1. Aggregate Metrics*

Metric	Baseline (Attained by August 2016)	Attained between August 2016 and May 2017	Total attained as of May 2017
Number of communities that have completed 1 or more High-Impact Actions	467 (29%)	563 (35%)	1050 (66%)
Number of communities that have completed 2 or more High-Impact Actions	248 (16%)	387 (24%)	655 (41%)
Number of communities that have completed 3 or more High-Impact Actions	128 (8%)	193 (12%)	341 (21%)
Number of communities that have completed 4 or more High-Impact Actions (minimum for designation)	10 (1%)	193 (12%)	203 (13%)
Number of communities that indicate clean energy is a priority**	473 (30%)		

* The population for this table is all 1600 New York State communities. All reported numbers of communities are estimated from a representative sample whose size provided greater than 90 percent confidence and 10 percent precision.

** Community representatives indicated whether clean energy is a priority in spring 2017. The survey did not attempt to ask representatives for two assessments of priority — one for August 2016 and one for the day the survey answer was provided – as responses for the earlier date would have questionable validity.

Table C-2. Status by Action*

Action	Number ineligible for action	Number eligible for action	Number complete at baseline (August 2016)	Number complete between August 2016 and May 2017	Total number complete May 2017	Total as a percent of eligible
Benchmarking	0	1600	184	96	280	18%
Clean Energy Upgrades	23	1577	55	382	437	28%
LED Street Lights	0	1600	109	45	154	10%
Clean Fleets	23	1577	132	50	182	12%
Solarize	2	1598	88	29	117	7%
Unified Solar Permit	52	1548	51	354	405	26%
Energy Code Enforcement Training	52	1548	103	505	608	39%
Climate Smart Communities Certification	2	1598	56	75	131	8%
Community Choice Aggregation	52	1548	50	7	57	4%
PACE Financing	1384	216	31	23	54	25%

* The numbers of communities indicate the size of the population represented.

Appendix D   Survey Answers

This appendix contains the count and percent of contacts providing each response option for each closed-ended survey question. The "Missing" answer option here includes respondents who were not asked the question. The survey's skip logic did not pose a given question when either the information was already known to the research team from the program database or the respondent's answer to a previous question indicated it would be inappropriate to ask the given question.

Due to rounding when the weights were applied, some percent totals do not equal precisely 100% and some counts do not equal precisely 1600 local governments. Differences from 100% and 1600 are very small.

Q1 Does your municipality have either an Energy Action Plan or an energy chapter in your general plan?	Percent	Count
Yes – Energy Action Plan	5%	71
Yes – Energy chapter in general plan	11%	168
No – No EAP, no chapter in their general plan	82%	1316
Not applicable – No general plan (and no EAP)	3%	45
Missing	0%	0
Total	**101%**	**1600**

Q2 Does your municipality have a procurement policy that prioritizes the purchase of energy efficiency equipment or products?	Percent	Count
Yes	20%	314
No	79%	1263
Don't know → Who should we talk to about this?	1%	23
Missing	0%	0
Total	**100%**	**1600**

Q3 Does your municipality have an energy manager or someone explicitly responsible for pursuing energy efficiency in your facilities and operations?	Percent	Count
Yes	13%	212
No	87%	1388
Missing	0%	0
Total	**100%**	**1600**

Q4.1 Clean energy is a priority at my municipality, do you agree or disagree?	Percent	Count
Agree	81%	1294
Disagree	16%	258
Don't know	3%	48
Missing	0%	0
Total	**100%**	**1600**

Q5 Does someone at your municipality enter energy usage data for your municipal buildings into a portfolio manager or benchmarking system?	Percent	Count
Yes	31%	495
No	66%	1055
Don't know → Who should we talk to about this?	2%	25
Missing	2%	25
Total	**101%**	**1600**

Q6 Does your municipality enter data for all municipal buildings 1,000 square feet or larger into the Portfolio Manager system?	Percent	Count
Yes	26%	406
No	4%	68
Not applicable, no municipal buildings larger than 1000 sf	1%	23
Missing	69%	1103
Total	**100%**	**1600**

Q7 Have you completed energy-saving upgrades or renewable energy projects at any of your municipal buildings?	Percent	Count
Yes	84%	1346
No	13%	206
Missing	3%	48
Total	**100%**	**1600**

Q8 Were any of those upgrades or renewable energy projects completed after January 1, 2014?	Percent	Count
Yes	65%	1045
No	19%	301
Missing	16%	254
Total	**100%**	**1600**

Q9 Have you noticed a reduction in your buildings' energy use since the completion of those upgrades/renewable energy projects?	Percent	Count
Yes	38%	610
No	10%	165
Don't know → Who should we talk to about this?	17%	269
Missing	35%	555
Total	**100%**	**1599**

Q10.1 Was that reduction in energy use 10% or more of total municipal building consumption as compared to the baseline?	Percent	Count
Yes	28%	455
No	8%	124
Don't know → Who should we talk to about this?	2%	31
Missing	62%	990
Total	**100%**	**1600**

Q10.2 Was that upgrade reduction after Aug 2016?	Percent	Count
Yes	24%	382
No	5%	72
Missing	72%	1145
Total	**101%**	**1599**

Q11 Was the baseline a history of at least 12 months of building energy usage data?	Per cent	Count
Yes	28%	453
No	0%	2
Missing	72%	1145
Total	**100%**	**1600**

Q12 How difficult would it be for your community to reduce energy use in municipal buildings by 10% through retrofits, energy upgrades, or renewable energy projects?	Percent	Count
2	7%	113
3	3%	52
4	2%	27
5	21%	337
6	5%	75
7	6%	99
8	14%	231
9	6%	91
10	3%	50
Don't know → Who should we talk to about this?	2%	25
Missing	31%	500
Total	**100%**	**1600**

Q14 About how many cobra head streetlights does your municipality own or lease?	Percent	Count
Number:	62%	990
None	21%	328
Don't know → Who should we talk to about this?	13%	203
Missing	5%	79
Total	**101%**	**1600**

Q15.1 How many of your cobra-head streetlights are LED lights?	Percent	Count
Number	61%	983
Missing	39%	617
Total	**100%**	**1600**

Q15.2 How many of these LED were installed after August 2016?	Percent	Count
0	11%	167
2	3%	45
4	0%	2
12	1%	23
20	4%	68
25	0%	4
60	1%	23
Missing	79%	1267
Total	**99%**	**1599**

Q16 How difficult do you think it'd be for your community to replace at least 50% of all cobra-head style streetlights with LED lights?	Percent	Count
1	6%	97
2	10%	161
3	4%	70
4	3%	48
5	14%	221
7	6%	99
8	6%	102
9	6%	97
10	3%	48
Don't know → Who should we talk to about this?	30%	483
Missing	11%	174
Total	**99%**	**1600**

Q18.1 Does your municipality have at least one active alternative fuel vehicle in its fleet of vehicles?	Percent	Count
Yes	3%	52
No	91%	1448
Don't know → Who should we talk to about this?	0%	2
Missing	6%	98
Total	**100%**	**1600**

Q18.2 Was that vehicle added to your fleet after August 2016?	Percent	Count
Yes	2%	25
No	2%	27
Missing	97%	1548
Total	**101%**	**1600**

Q19 How difficult do you think it'd be for your municipality to add an alternative fuel vehicle to your fleet?	Percent	Count
1	0.3%	4
2	4%	70
3	2%	25
4	2%	27
5	6%	95
6	2%	31
7	10%	161
8	15%	233
9	16%	252
10	34%	549
Missing	10%	152
Total	**101%**	**1599**

Q20.1 Has your municipality provided at least one electric vehicle charging station or compressed natural gas fueling station that is currently active?	Percent	Count
Yes	8%	120
No	86%	1382
Missing	6%	98
Total	**100%**	**1600**

Q20.2 Was that charging station installed after August 2016?	Percent	Count
Yes	4%	70
No	3%	50
Missing	93%	1480
Total	**100%**	**1600**

Q21 How difficult do you think it'd be for your municipality to install an EV charging station?	Percent	Count
1	2%	27
2	3%	52
3	12%	184
4	1%	23
5	15%	233
6	3%	50
7	6%	93
8	10%	163
9	13%	209
10	22%	345
Missing	14%	223
Total	**101%**	**1602**

Q23 Has someone at your municipality received training or training materials related to solar from NYSERDA?	Percent	Count
Yes	34%	542
No	48%	775
Don't know	18%	283
Missing	0%	0
Total	**100%**	**1600**

Q24 How useful was that NYSERDA training information?	Percent	Count
3	1%	23
4	0.3%	4
5	4%	68
6	0.1%	2
7	6%	95
8	14%	221
10 – Very useful	8%	122
Don't know/I did not receive the training materials	0.4%	6
Missing	66%	1058
Total	**100%**	**1599**

Q25 Has your municipality participated in previous rounds of the NYSERDA Community Solar NY program to do a Solarize campaign?	Percent	Count
Yes	14%	217
No	80%	1277
Not applicable	1%	23
Don't know → Who should we talk to about this?	2%	25
Missing	4%	58
Total	**101%**	**1600**

Q26 Was that campaign launched after January 1, 2014?	Percent	Count
Yes	14%	217
Missing	86%	1383
Total	**100%**	**1600**

Q27.1 Did you have at least 10 solar installations resulting from that campaign?	Percent	Count
Yes	5%	79
No	7%	113
Don't know → Who should we talk to about this?	2%	25
Missing	86%	1383
Total	**100%**	**1600**

Q27.2 Was that 10th solar installation after August 2016?	Percent	Count
Yes	2%	27
No	3%	52
Missing	95%	1521
Total	**100%**	**1600**

Q28 Have you or someone at your municipality emailed NYSERDA to establish contact with a Clean Energy Coordinator to start a Community Solar/Solarize Campaign?	Percent	Count
Yes	16%	258
No	72%	1155
Don't know → Who should we talk to about this?	0%	2
Missing	12%	185
Total	**100%**	**1600**

Q29 Have you completed the Solarize Campaign Scoping Document?	Percent	Count
Yes	4%	70
No	12%	188
Missing	84%	1342
Total	**100%**	**1600**

Q30.1 Have you had at least 10 solar installations resulting from your Solarize campaign?	Percent	Count
Yes	0%	2
No	1%	23
Don't know → Who should we talk to about this?	3%	45
Missing	96%	1530
Total	**100%**	**1600**

Q30.2 Was that 10th solar installation after August 2016?	Percent	Count
Yes	0%	2
Missing	99%	1598
Total	100%	1600

Q31 How difficult do you think it will be for your municipality to undertake a Solarize campaign?	Percent	Count
1	3%	45
2	6%	97
3	9%	145
4	2%	25
5	12%	186
6	7%	116
7	6%	97
8	19%	310
9	10%	159
10	4%	68
Don't know	6%	97
Missing	16%	255
Total	**100%**	**1600**

Q32 How difficult do you think it will be for your community to get 10 solar installations resulting from your Solarize campaign?	Percent	Count
1	2%	27
2	9%	140
3	8%	122
4	4%	70
5	9%	143
6	3%	45
7	6%	97
8	16%	258
9	21%	342
10	4%	68
Don't know	6%	99
Missing	12%	187
Total	**100%**	**1598**

Q34.1 Have you adopted the Unified Solar Permit (USP)?	Percent	Count
Yes	23%	373
No	72%	1146
Not applicable	2%	27
Don't know → Who should we talk to about this?	3%	54
Missing	0%	0
Total	**100%**	**1600**

Q34.2 Was that USP adopted after August 2016?	Percent	Count
Yes	20%	324
No	3%	46
Don't know	0%	2
Missing	77%	1227
Total	**100%**	**1599**

Q38 Have you emailed NYSERDA to indicate interest in adopting the Unified Solar Permitting process?	Percent	Count
Yes	4%	70
No	66%	1053
Don't know → Who should we talk to about this?	3%	48
Missing	27%	429
Total	**100%**	**1600**

Q39 Did you receive an email from NYSERDA indicating you're eligible to receive the Streamlined Permitting PV incentive?	Percent	Count
Yes	3%	48
No	1%	23
Missing	96%	1530
Total	**100%**	**1601**

Q40 How difficult do you think it would be for your community to adopt the Unified Solar Permitting process?	Percent	Count
1	0.1%	2
2	7%	118
3	8%	122
4	3%	48
5	20%	324
6	1%	23
7	6%	93
8	7%	113
9	9%	138
10	1%	23
Don't know → Who should we talk to about this?	9%	143
Missing	28%	454
Total	**99%**	**1601**

Q42 Have your energy code compliance officers participated in NYSERDA's enforcement training module?	Percent	Count
Yes	32%	505
No	48%	775
Not applicable	7%	113
Don't know → Who should we talk to about this?	3%	52
Missing	10%	156
Total	**100%**	**1601**

Q43 How difficult do you think it would be for your energy code compliance officers to participate in NYSERDA's enforcement training module?	Percent	Count
1	1%	11
2	13%	216
3	9%	140
5	9%	147
6	3%	45
7	1%	23
8	6%	92
9	1%	23
Don't know → Who should we talk to about this?	13%	212
Missing	43%	692
Total	**100%**	**1601**

Q45.1 Has your community been listed as a Registered or Certified Climate Smart Community on the New York State Department of Environmental Conservation (NYSDEC) website?	Percent	Count
Yes, registered	7%	108
Yes, certified	6%	99
No	79%	1260
Not applicable	1%	23
Don't know → Who should we talk to about this?	5%	77
Missing	2%	33
Total	**100%**	**1600**

Q45.2 Were you a registered CSC after August 2016?	Percent	Count
Yes	9%	140
No	4%	61
Don't know	0%	2
Missing	87%	1397
Total	**100%**	**1600**

Q46 How familiar are you with the Climate Smart Communities program, including its actions and point system?	Percent	Count
Very familiar	9%	145
Somewhat familiar	18%	287
Not at all familiar	52%	830
Missing	21%	338
Total	**100%**	**1600**

Q47 How difficult do you think it would be for your municipality to register for Climate Smart Communities?	Percent	Count
1	3%	46
2	6%	100
3	1%	23
4	0%	2
5	41%	656
6	2%	33
7	4%	69
8	7%	114
9	2%	26
10	9%	140
Don't know → Who should we talk to about this?	3%	48
Missing	21%	342
Total	**100%**	**1599**

Q49 Has your community either adopted or is in the process of adopting legislation authorizing its participation in an opt-out community choice aggregation program?	Percent	Count
Yes – already adopted legislation authorizing our community's participation	8%	124
Yes – in the process of adopting	5%	75
No	82%	1318
Not applicable	0%	2
Don't know → Who should we talk to about this?	2%	27
Missing	3%	54
Total	**100%**	**1600**

Q50.1 Have you contracted with an energy service company (ESCO) to provide the energy?	Percent	Count
Yes	5%	75
No	3%	50
Missing	92%	1476
Total	**100%**	**1601**

Q50.2 Was CCA approved after August 2016?	Percent	Count
Yes	2%	27
No	3%	48
Missing	95%	1525
Total	**100%**	**1600**

Q51 Have you informed residents of the opt-out process?	Percent	Count
Yes	6%	95
No	2%	29
Missing	92%	1476
Total	**100%**	**1600**

Q52 Is the default option 100% renewable energy?	Percent	Count
Yes	2%	25
No	2%	29
Don't know → Who should we talk to about this?	4%	70
Missing	92%	1476
Total	**100%**	**1600**

Q54 How difficult do you think it would be for your municipality to pass legislation authorizing Community Choice Aggregation?	Percent	Count
1	0.1%	2
2	2%	25
3	6%	102
4	2%	25
5	28%	448
6	3%	45
7	2%	27
8	12%	190
9	9%	138
10	14%	229
Don't know → Who should we talk to about this?	3%	48
Missing	20%	321
Total	**101%**	**1600**

Q56.1 Have you adopted or are you in the process of adopting legislation that would require benchmarking and reporting of municipal buildings 1,000 square feet or larger?	Percent	Count
Yes – already adopted	12%	186
Yes – in the process of adopting	3%	50
No	72%	1157
Not applicable	3%	45
Don't know → Who should we talk to about this?	1%	23
Missing	9%	139
Total	**100%**	**1600**

Q56.2 Was Benchmarking approved after August 2016?	Percent	Count
Yes	7%	118
No	4%	68
Don't know	0%	2
Missing	88%	1412
Total	**99%**	**1600**

Q57 Does that legislation require you to make the benchmarking information publicly available on the internet?	Percent	Count
Yes	10%	161
No	1%	23
Don't know → Who should we talk to about this?	0%	2
Missing	88%	1414
Total	**99%**	**1600**

Q59 How difficult would it be for your municipality to adopt legislation requiring the benchmarking of municipal buildings greater than 1000 square feet?	Percent	Count
1	0%	4
2	6%	97
3	2%	27
4	1%	23
5	20%	326
6	4%	68
7	9%	138
8	11%	184
9	10%	161
10	1%	23
Don't know → Who should we talk to about this?	2%	25
Missing	33%	524
Total	**100%**	**1600**

Q60 Have you adopted or are you in the process of adopting legislation that requires owners of commercial and multifamily buildings of 25,000 square feet or more to report their buildings' energy use through the ENERGY STAR Portfolio Manager system?	Percent	Count
Yes – already adopted	1%	23
No	0.1%	2
Missing	98%	1575
Total	**99%**	**1600**

Q61 Does that legislation require you to make the benchmarking information publicly available on the internet?	Percent	Count
Yes	1%	23
Missing	99%	1577
Total	**100%**	**1600**

Q62 How difficult do you think it would be to include in that legislation the requirement that all commercial and multifamily buildings greater than 25,000 square feet also benchmark and report energy usage publicly?	Percent	Count
1	.1%	2
5	3%	50
6	.1%	2
7	3%	48
8	.3%	4
9	.1%	2
10	.1%	2
Missing	93%	1490
Total	**100%**	**1600**

Q64.1 Has your community adopted or is in the process of adopting legislation authorizing the establishment of PACE financing?	Percent	Count
Yes – already adopted	3%	50
Yes – in the process of adopting	0%	2
No	10%	156
Missing	87%	1393
Total	**100%**	**1601**

Q64.2 Was that after August 2016?	Percent	Count
Yes	2%	25
No	2%	25
Don't know	0%	2
Missing	97%	1548
Total	**101%**	**1600**

Q65 Have you secured an agreement with the Energy Improvement Corporation to implement the PACE financing?	Percent	Count
Yes	3%	45
No	0%	4
Don't know → Who should we talk to about this?	0%	2
Missing	97%	1548
Total	**100%**	**1599**

Q66.1 Has your municipality been confirmed as a member of the Energy Improvement Corporation?	Percent	Count
Yes	3%	45
Missing	97%	1555
Total	**100%**	**1600**

Q66.2 Was that after August 2016?	Percent	Count
Yes	2%	23
No	2%	23
Missing	97%	1554
Total	**101%**	**1600**

Q68 How difficult do you think it would be for your community to adopt legislation authorizing the use of PACE financing and secure an agreement with the Energy Improvement Corporation?	Percent	Count
2	0%	2
3	0%	2
5	2%	31
6	0%	2
7	6%	71
8	0%	2
9	2%	25
Missing	92%	1464
Total	**100%**	**1599**

Appendix E   Survey

E.1   Introduction

Hi. Thank you for taking the time to talk with me today. As I mentioned, I'm working with NYSERDA to learn about clean energy and energy efficiency actions that municipalities are taking. I will be asking about potential activities your municipality may have engaged in. If the activity is not applicable to your jurisdictional responsibilities, just let me know. I'll be taking notes as we talk, but I'd like to record this conversation to ensure the accuracy of my notes. Is that okay with you?

Any questions for me before we get started?

E.2   EE Prioritization

Q1.   [ASK ALL] First, I'd like to get a sense of your municipality's experience with clean energy and energy efficiency. Does your municipality have either an Energy Action Plan or an energy chapter in your general plan?

1.   Yes – Energy Action Plan
2.   Yes – Energy chapter in general plan
3.   No – No EAP, no chapter in their general plan
4.   Not applicable – No general plan (and no EAP)
98.   Don't know → Who should we talk to about this?

Q2.   Does your municipality have a procurement policy that prioritizes the purchase of energy efficiency equipment or products? (If needed: This may include LED light bulbs or ENERGY STAR-rated equipment like a furnace)

1.   Yes
2.   No
3.   Not applicable
98.   Don't know → Who should we talk to about this?

Q3.   Does your municipality have an energy manager or someone explicitly responsible for pursuing energy efficiency in your facilities and operations?

1.   Yes

2. No

3. Not applicable

98. Don't know

Q4.   I'd like you to tell me whether you agree or disagree with the following statement and then tell me why: Clean energy is a priority at my municipality. So first, do you agree or disagree? Why do you say that? (IF NEEDED: clean energy refers to policies or projects that save energy or use non-polluting sources like solar or wind.)

1.   _____

98. Don't know

E.3   Clean Energy Upgrades

Q5.   [Skip to Q14 if Upgrade_9 = N/A or Submittal or Approval or Rejection] Next, I have some questions about clean energy upgrades in your municipal buildings. Does someone at your municipality enter energy usage data for your municipal buildings into a portfolio manager or benchmarking system? (If needed: A common tool is the ENERGY STAR Portfolio Manager online tool.)

1.   Yes

2.   No → Skip to Q7

98. Don't know → Who should we talk to about this? → Skip to Q7

Q6.   [IF Q5 = YES] To the best of your knowledge, does your municipality enter data for all municipal buildings 1,000 square feet or larger into the Portfolio Manager system?

1.   Yes

2.   No

3.   Not applicable, no municipal buildings larger than 1000 sf. → Skip to Q14

98. Don't know → Who should we talk to about this?

Q7.   Have you completed energy-saving upgrades or renewable energy projects at any of your municipal buildings? (If needed: this might include changing out lighting for LEDs, or installing a high-efficiency furnace, occupancy sensors, or programmable thermostats).

1.   Yes

2.   No → Skip to Q12

98.   Don't know → Who should we talk to about this? → Skip to Q12

Q8.   [IF Q7 = YES] Were any of those upgrades or renewable energy projects completed after January 1, 2014?

1.   Yes
2.   No → Skip to Q12
98.   Don't know → Who should we talk to about this? → Skip to Q12

Q9.   [IF Q8 = YES] Let's focus on those upgrades completed after January 1, 2014. Have you noticed a reduction in your buildings' energy use since the completion of those upgrades/renewable energy projects?

1.   Yes
2.   No → Skip to Q12
98.   Don't know → Who should we talk to about this? → Skip to Q12

Q10.   [IF Q9 = YES] Was that reduction in energy use 10% or more of total municipal building consumption as compared to the baseline?

1.   Yes → Was that after August 2016?
2.   No → Skip to Q12
98.   Don't know → Who should we talk to about this? → Skip to Q12

Q11.   [IF Q10 = YES] Was the baseline a history of at least 12 months of building energy usage data?

1.   Yes → Skip to Q14
2.   No → Skip to Q14
98.   Don't know → Who should we talk to about this? → Skip to Q14

Q12.   [IF ANY Q7 through Q11 = NO or DON'T KNOW] I'd like to know your thoughts about how difficult it would be for your community to reduce energy use in municipal buildings by 10% through retrofits, energy upgrades, or renewable energy projects. Please use a scale of one to ten, with one being not at all difficult and ten being very difficult. (If needed: Please answer to the best of your ability, given what you know now).

1.   1
2.   2

3.   3

4.   4

5.   5

6.   6

7.   7

8.   8

9.   9

10.   10

98.   Don't know → Who should we talk to about this?

Q13.   [SHOW ON SAME PAGE AS RATING QUESTION] Optional comments:

E.4   LED Streetlights

Q14.   [Skip to Q18 if LED_3 = N/A or Submittal or Approval or Rejection]] Now, how about
your streetlights. About how many cobra head streetlights does your municipality own or
lease? [PROGRAMMER: RESTRICT ENTRY TO A NUMBER]

1.   Number: _____

2.   None → Skip to Q18

98.   Don't know → Who should we talk to about this? → Skip to Q18

Q15.   [IF Q14 > 0] How many of your cobra-head streetlights are LED lights?
[PROGRAMMER: RESTRICT ENTRY TO A NUMBER]

1.   Number: _____ → How many of these LED were installed after August 2016?

98.   Don't know → Who should we talk to about this?

Q16.   [IF Q15 = 0 or if Q15 < 50% of Q14] How difficult do you think it'd be for your
community to replace at least 50% of all cobra-head style streetlights with LED lights?
Please use the one to ten scale with ten being most difficult. (If needed: Please answer to
the best of your ability, given what you know now.)

1.   1

2.   2

3.   3

4.   4

5.   5

6.   6

7.   7

8.   8

9.   9

10.   10

98.   Don't know → Who should we talk to about this?

Q17.   [SHOW ON SAME PAGE AS RATING QUESTION] Optional comments:

E.5   Clean Fleets

Q18.   [Skip to Q23 if Fleet_8 = N/A or Submittal or Approval or Rejection]] Next, I want to ask about your municipality's vehicle fleet. Does your municipality have at least one active alternative fuel vehicle in its fleet of vehicles? (If needed: Qualifying alternative fuel vehicles include plug-in electric vehicles, CNG vehicles, and hydrogen fuel cell vehicles. Vehicles may be light-duty, medium duty, or heavy-duty vehicles and must be able to travel on a highway – not gold cart type vehicles.)

1.   Yes → Was that after August 2016? → Skip to Q20

2.   No

3.   Not applicable (does not have vehicles in its fleets) → Skip to Q20

98.   Don't know → Who should we talk to about this? → Skip to Q20

Q19.   [IF Q18 =NO] How difficult do you think it'd be for your municipality to add an alternative fuel vehicle to your fleet? Please use the one to ten scale with ten being most difficult. (If needed: Please answer to the best of your ability, given what you know now.)

1.   1

2.   2

3.   3

4.   4

5.   5

6.   6

7.   7

8.   8

9.   9

10.   10

98.   Don't know → Who should we talk to about this?

Q20.   Has your municipality provided at least one electric vehicle charging station or
        compressed natural gas fueling station that is currently active? (If needed: Electric
        vehicle charging stations must consist of either two (2) or more Level 2 charging ports or
        one (1) or more DC fast charge ports.)

    1.   Yes → Was that after August 2016? → Skip to Q23
    2.   No
    98.   Don't know → Who should we talk to about this? → Skip to Q23

Q21.   [IF Q20 = NO] How difficult do you think it'd be for your municipality to install an EV
        charging station? Please use the one to ten scale with ten being most difficult. (If needed:
        Please answer to the best of your ability, given what you know now.)

    1.   1
    2.   2
    3.   3
    4.   4
    5.   5
    6.   6
    7.   7
    8.   8
    9.   9
    10.   10
    98.   Don't know → Who should we talk to about this?

Q22.   [SHOW ON SAME PAGE AS RATING QUESTION] Optional comments:

E.6   Solarize

Q23.   [ASK ALL] Now, let's talk about solar energy in your municipality. Has someone at your
        municipality received training or training materials related to solar from NYSERDA?

    1.   Yes
    2.   No → Skip to Q25
    98.   Don't know

Q24.   [IF Q23 = Yes] And how useful was that training information? For this question, use a scale of 1 to 10, with 1 being not at all useful and 10 being very useful. (If needed: Useful for advancing the use of solar energy in your community.)

1.   1 – not at all useful
2.   2
3.   3
4.   4
5.   5
6.   6
7.   7
8.   8
9.   9
10.   10 – Very useful
98.   Don't know/I did not receive the training materials

Q25.   [Skip to Q34 if Solarize_2 = N/A or Submittal or Approval or Rejection]. Has your municipality participated in previous rounds of the NYSERDA Community Solar NY program to do a Solarize campaign? (If needed: This is a localized campaign that brings together groups of potential solar customers and a designated installer to do solar installations at below market rate).

1.   Yes
2.   No → Skip to Q28
3.   Not applicable → Skip to Q34
98.   Don't know → Who should we talk to about this? → Skip to Q34

Q26.   [IF Q25 =YES] Was that campaign launched after January 1, 2014?

1.   Yes
2.   No → Skip to Q28
98.   Don't know → Who should we talk to about this?

Q27.   [IF Q25 =YES] Did you have at least 10 solar installations resulting from that campaign?

1.   Yes → Was that 10th solar installation after August 2016? → Skip to Q34
2.   No → Skip to Q32

98.   Don't know → Who should we talk to about this? → Skip to Q32

Q28.   [IF Q25 = NO OR Q26 = NO] Have you or someone at your municipality emailed NYSERDA to establish contact with a Clean Energy Coordinator to start a Community Solar/Solarize Campaign?

1.   Yes
2.   No → Skip to Q31
98.   Don't know → Who should we talk to about this? → Skip to Q31

Q29.   [IF Q28 = YES] Have you completed the Solarize Campaign Scoping Document? (If needed: the scoping document lists the campaign's goals and objectives, roles and responsibilities of project partners, deliverables, and milestones.)

1.   Yes
2.   No → Skip to Q31
98.   Don't know → Who should we talk to about this? → Skip to Q31

Q30.   [IF Q29 = YES] Have you had at least 10 solar installations resulting from your Solarize campaign?

1.   Yes → Was that after August 2016? → Skip to Q34
2.   No → Skip to Q32
98.   Don't know → Who should we talk to about this? → Skip to Q32

Q31.   [IF Q28 OR Q29 = NO or DON'T KNOW] How difficult do you think it will be for your municipality to undertake a Solarize campaign? (If needed: Please answer to the best of your ability, given what you know now.)

1.   1
2.   2
3.   3
4.   4
5.   5
6.   6
7.   7
8.   8
9.   9

10.   10

98.   Don't know

Q32.   [IF Q27 OR Q30 = NO OR DON'T KNOW] How difficult do you think it will be for your community to get 10 solar installations resulting from your Solarize campaign? Please use the one to ten scale with ten being most difficult. (If needed: Please answer to the best of your ability, given what you know now.)

1.   1
2.   2
3.   3
4.   4
5.   5
6.   6
7.   7
8.   8
9.   9
10.   10
98.   Don't know

Q33.   [SHOW ON SAME PAGE AS RATING QUESTION] Optional comments:

E.7   Unified Solar Permit

Q34.   [ASK ALL] Have you adopted the Unified Solar Permit?

1.   Yes → Was that after August 2016?
2.   No → Skip to Q36
3.   Not applicable → Skip to Q42
98.   Don't know → Who should we talk to about this? → Skip to Q42

Q35.   [IF Q34 = YES] Since adopting the Unified Solar Permit, what is the typical length of time between solar permit application and permit approval or denial?

1.   _____ → Skip to Q37
98.   Don't know → Who should we talk to about this? → Skip to Q38

Q36.   [IF Q34 = NO] What is the typical length of time between solar permit application and permit approval or denial?

1.   _____
98.   Don't know → Who should we talk to about this?

Q37.   [IF Q34 = YES OR NO] What is the total average cost of permitting?

1.   _____
98.   Don't know

Q38.   [Skip to Q42 if Q34 = Yes or if USP_1 = N/A or Submittal or Approval or Rejection] Have you emailed NYSERDA to indicate interest in adopting the Unified Solar Permitting process? (If needed: The Unified Solar Permit is a standardized permit application designed to streamline the approval process for installing solar in the community.)

1.   Yes
2.   No → Skip to Q40
98.   Don't know → Who should we talk to about this? → Skip to Q40

Q39.   Did you receive an email from NYSERDA indicating you're eligible to receive the Streamlined Permitting PV incentive? (If needed: It was formerly known as the Cleaner, Greener Communities Category 1).

1.   Yes → Skip to Q42
2.   No
98.   Don't know → Who should we talk to about this?

Q40.   [If Q38 or Q39 = NO or DON'T KNOW] How difficult do you think it would be for your community to adopt the Unified Solar Permitting process? Please use the one to ten scale with ten being most difficult. (If needed: Please answer to the best of your ability, given what you know now.)

1.   1
2.   2
3.   3
4.   4

5.   5

6.   6

7.   7

8.   8

9.   9

10.   10

98.   Don't know → Who should we talk to about this?

Q41.   [SHOW ON SAME PAGE AS RATING QUESTION] Optional comments:

E.8   Energy Code Enforcement

Q42.   [Skip to Q45 if Code_4= N/A or Submittal or Approval or Rejection] Did your energy code compliance officers participate in NYSERDA's enforcement training module? This involves your local code enforcement officer and two government officials attending a NYSERDA training and reviewing set of building plans together.

1.   Yes → Skip to Q45

2.   No

3.   Not applicable → Skip to Q45

98.   Don't know → Who should we talk to about this? → Skip to Q45

Q43.   [If Q 42 = No] How difficult do you think it would be for your energy code compliance officers to participate in NYSERDA's enforcement training module? (If needed: Please answer to the best of your ability, given what you know now.)

1.   1

2.   2

3.   3

4.   4

5.   5

6.   6

7.   7

8.   8

9.   9

10.   10

98.   Don't know → Who should we talk to about this?

Q44.   [SHOW ON SAME PAGE AS RATING QUESTION] Optional comments:

E.9   Climate Smart Communities

Q45.   [Skip to Q49 if CSC_7= N/A or Submittal or Approval or Rejection] Has your community been listed as a Registered or Certified Climate Smart Community on the New York State Department of Environmental Conservation (NYSDEC) website?

1.   Yes, registered → Was that after August 2016? → Skip to Q49
2.   Yes, certified → Was that after August 2016? → Skip to Q49
3.   No
4.   Not applicable → Skip to Q49
98.   Don't know → Who should we talk to about this? → Skip to Q49

Q46.   [IF Q45 = NO] How familiar are you with the Climate Smart Communities program, including its actions and point system? Would you say you're very familiar, somewhat familiar, or not at all familiar?

1.   Very familiar
2.   Somewhat familiar
3.   Not at all familiar

Q47.   [IF Q45 = NO] How difficult do you think it would be for your municipality to register for Climate Smart Communities? Please use the one to ten scale with ten being most difficult. (If needed: Please answer to the best of your ability, given what you know now.)

1.   1
2.   2
3.   3
4.   4
5.   5
6.   6
7.   7
8.   8
9.   9
10.   10
98.   Don't know → Who should we talk to about this?

Q48.   [SHOW ON SAME PAGE AS RATING QUESTION] Optional comments:

E.10   Community Choice Aggregation

Q49.   [Skip to Q56 if CCA_6 = N/A or Submittal or Approval or Rejection] We have three more topics to discuss. Next up is community choice aggregation. Has your community either adopted or is in the process of adopting legislation authorizing its participation in an opt-out community choice aggregation program? (If needed: Community Choice Aggregation is an energy procurement model that replaces the utility as the default supplier of electricity within your jurisdiction. Communities pool demand and negotiate lower rates with private energy suppliers.)

1.   Yes – already adopted legislation authorizing our community's participation
2.   Yes – in the process of adopting → Skip to Q53
3.   No → Skip to Q54
4.   Not applicable → Skip to Q56
98.   Don't know → Who should we talk to about this? → Skip to Q56

Q50.   [IF Q49 = 1. Yes – already adopted] Have you contracted with an energy service company (ESCO) to provide the energy?

1.   Yes → Was that after August 2016?
2.   No
98.   Don't know → Who should we talk to about this? → Skip to Q56

Q51.   [IF Q49 = 1. Yes – already adopted] Have you informed residents of the opt-out process?

1.   Yes
2.   No
98.   Don't know → Who should we talk to about this?

Q52.   [IF Q49 = 1. Yes – already adopted] Is the default option 100% renewable energy?

1.   Yes → Skip to Q56
2.   No → Skip to Q56
98.   Don't know → Who should we talk to about this? → Skip to Q56

Q53.   [IF Q49 = 2. YES – in the process of adopting] Describe for me where you are in the process of adopting a CCA.

1. _____

98. Don't know → Who should we talk to about this?

Q54. [IF Q49 = 2 (in process) or = 3 (NO)] How difficult do you think it would be for your municipality to pass legislation authorizing Community Choice Aggregation? Please use the one to ten scale with ten being most difficult. (If needed: Please answer to the best of your ability, given what you know now.)

1. 1
2. 2
3. 3
4. 4
5. 5
6. 6
7. 7
8. 8
9. 9
10. 10
98. Don't know → Who should we talk to about this?

Q55. [SHOW ON SAME PAGE AS RATING QUESTION] Optional comments:

E.11 Benchmarking

Q56. [Skip to Q64 if Bench_10 = N/A or Submittal or Approval or Rejection] Now, I have some questions about benchmarking energy usage in your municipality's buildings. Have you adopted or are you in the process of adopting legislation that would require benchmarking and reporting of municipal buildings 1,000 square feet or larger? (If needed: benchmarking legislation would require the public disclosure of municipal buildings' energy use.)

1. Yes – already adopted → Was that after August 2016?
2. Yes – in the process of adopting → Skip to Q58
3. No → Skip to Q59
4. Not applicable → Skip to Q64
98. Don't know → Who should we talk to about this? → Skip to Q64

Q57.   [IF Q56 = YES – already adopted] And, does that legislation require you to make the benchmarking information publicly available on the internet?

    1.   Yes → Skip to Q60

    2.   No → Skip to Q60

    98.   Don't know → Who should we talk to about this? → Skip to Q60

Q58.   [IF Q56 = 2. YES – in the process of adopting] Can you please describe for me where you are in the process?

    1.   _____

    98.   Don't know → Who should we talk to about this?

Q59.   [IF Q56 =2 (Yes – in process) or = 3 (No)] I'd like to know your thoughts about how difficult adopting such legislation would be. Using a scale of one to ten, with one being not at all difficult and ten being very difficult, how difficult would it be for your municipality to adopt legislation requiring the benchmarking of municipal buildings greater than 1000 square feet? Please use the 1 to 10 scale. (If needed: Please answer to the best of your ability, given what you know now.)

    1.   1

    2.   2

    3.   3

    4.   4

    5.   5

    6.   6

    7.   7

    8.   8

    9.   9

    10.   10

    11.   Not applicable

    98.   Don't know → Who should we talk to about this?

Q60.   [IF Q57 = YES and SIZE = LARGE, else skip to Q64] Have you adopted or are you in the process of adopting legislation that requires owners of commercial and multifamily

buildings of 25,000 square feet or more to report their buildings' energy use through the ENERGY STAR Portfolio Manager system?

1.   Yes – already adopted
2.   Yes – in the process of adopting → Skip to Q62
3.   No → Skip to Q62
4.   Not applicable → Skip to Q64
98.   Don't know → Who should we talk to about this? → Skip to Q64

Q61.   [IF Q60 = YES] And, does that legislation require you to make the benchmarking information publicly available on the internet?

1.   Yes → Skip to Q64
2.   No → Skip to Q64
98.   Don't know → Who should we talk to about this? → Skip to Q64

Q62.   [IF Q60 = 2. Yes – in process OR Q60 = 3. NO] How difficult do you think it would be to include in that legislation the requirement that all commercial and multifamily buildings greater than 25,000 square feet also benchmark and report energy usage publicly? Again, please use the 1 to 10 scale. (If needed: Please answer to the best of your ability, given what you know now.)

1.   1
2.   2
3.   3
4.   4
5.   5
6.   6
7.   7
8.   8
9.   9
10.   10
11.   Not applicable
98.   Don't know → Who should we talk to about this?

Q63.   [SHOW ON SAME PAGE AS RATING QUESTION] Optional comments:

E.12 Energy New York Finance

Q64. [Skip to Q70 if PACE_5 = N/A or Submittal or Approval or Rejection] We have one final topic to ask about, PACE financing for clean efficiency upgrades. Has your community adopted or is in the process of adopting legislation authorizing the establishment of PACE financing? (If needed: This is also referred to as Energize NY Finance. PACE is Property Assessed Clean Energy financing that allows property owners to pay back the cost of clean energy upgrades through a special charge on their property tax bill).

1. Yes – already adopted → Was that after August 2016?
2. Yes – in the process of adopting → Skip to Q67
3. No → Skip to Q68
4. Not applicable → Skip to Q70
5. Don't know → Who should we talk to about this? → Skip to Q70

Q65. [IF Q64 = 1. YES – already adopted] Have you secured an agreement with the Energy Improvement Corporation to implement the PACE financing?

1. Yes
2. No → Skip to Q70
98. Don't know → Who should we talk to about this? → Skip to Q70

Q66. [IF Q65 = YES] Has your municipality been confirmed as a member of the Energy Improvement Corporation?

1. Yes → Was that after August 2016? → Skip to Q70
2. No → Skip to Q70
98. Don't know → Who should we talk to about this? → Skip to Q70

Q67. [IF Q64 = 2. YES – in the process of adopting] Can you describe for me where you are in the process of adopting PACE financing legislation?

1. _____
98. Don't know → Who should we talk to about this?

Q68. [IF ANY Q64 = 2. YES – in process OR Q64 = NO] How difficult do you think it would be for your community to adopt legislation authorizing the use of PACE financing and

secure an agreement with the Energy Improvement Corporation? Please use the one to ten scale with ten being most difficult. (If needed: Please answer to the best of your ability, given what you know now.)

1.   1
2.   2
3.   3
4.   4
5.   5
6.   6
7.   7
8.   8
9.   9
10.   10
98.   Don't know → Who should we talk to about this?

Q69.   [SHOW ON SAME PAGE AS RATING QUESTION] Optional comments:

E.13   Closing [ASK ALL]

Those are all the questions I have for you.

Q70.   Is there anything else you think is important for me to know about your municipality's clean energy or energy efficiency work?

1.   Yes
2.   No
98.   Don't know
99.   Refused

Thank you very much for your time.