



Carlisle's Community Choice Aggregation Program

by Glenn Reed and Bob Zogg
with support from Colonial Power Group
on behalf of the Carlisle Select Board and Town
Administrator, Ryan McLane

January 16, 2024



Meeting Details

- This is a hybrid (Zoom and in-person) meeting
- Meeting is being recorded—Recording will be made public
- Zoom participants please mute yourself unless speaking
- Please hold questions, except for clarifying questions



Agenda

- Community Choice Aggregation (CCA) Program Summary
- MA Electric Service Overview
- History of Carlisle's CCA
- Cost Considerations
- Environmental Considerations
- Q&A

Why Choose Community Choice Aggregation (CCA)?



- Carlisle **saved \$3.1 million** over 5.5 years
 - *Future savings cannot be guaranteed*
- **Greater renewable content** compared to Eversource:
 - **Standard (Default) Product:** 25 percentage points more MA Class I renewables
 - **Optional Basic:** Matches Eversource
 - **Optional Green 100:** 100% MA Class I renewables
- Fewer price fluctuations
- Professional support and reporting (from Colonial Power Group)

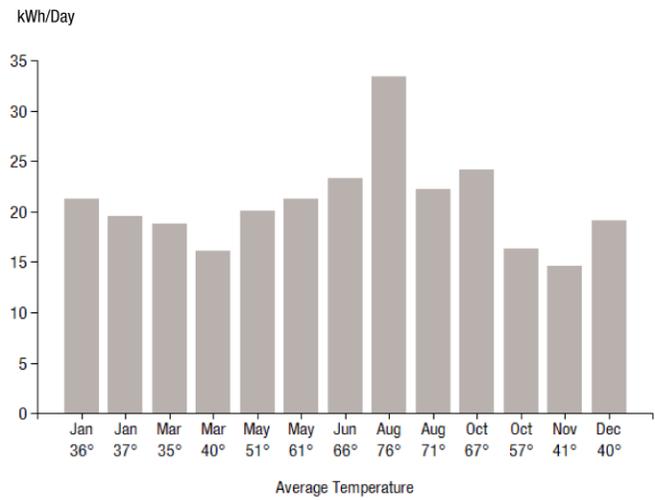


EVERSOURCE

Account Number: [REDACTED]
Statement Date: 01/03/24

Service Provided To:
[REDACTED]

Electric Usage History - Kilowatt Hours (kWh)



Electric Usage Summary

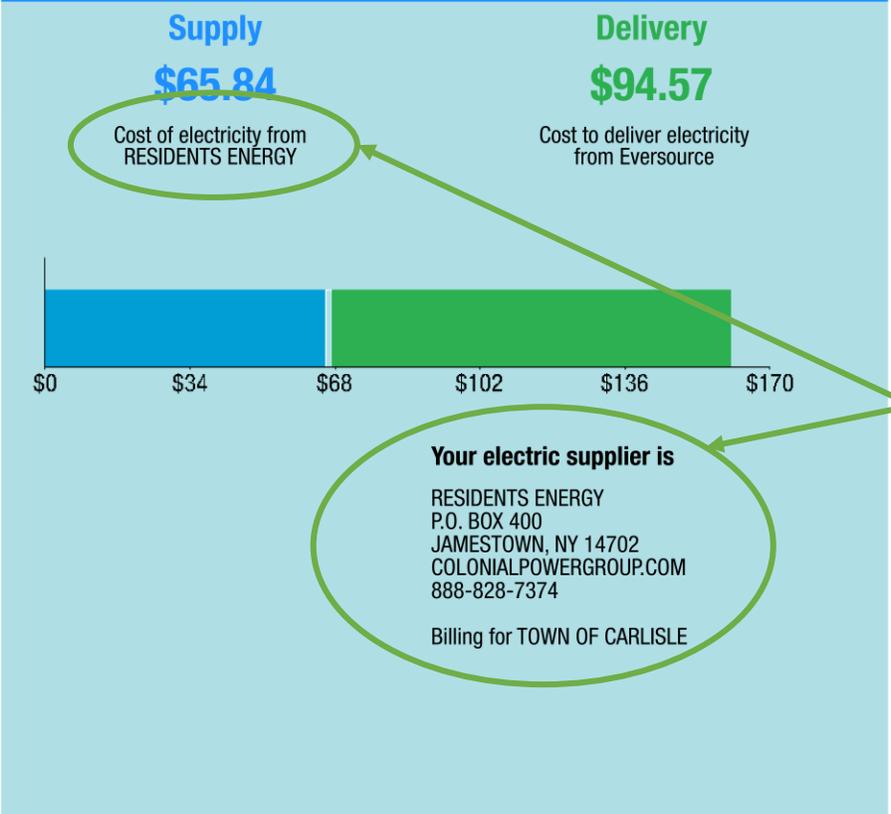
This month your average daily electric use was **19.2 kWh**

This month you used **9.9% less** than at the same time last year



Payment will be sent to bank for processing on 01/20/24		\$160.41
Amount Due On 12/29/23		\$120.90
Last Payment Received On 12/21/23		-\$120.90
Balance Forward		\$0.00
Total Current Charges		\$160.41

Current Charges for Electricity



Identifying your supplier

- **Eversource:** Eversource Basic Service
- **Residents Energy (2023 Bill):** Carlisle CCA
- **Dynegy Energy (2024 Bill):** Carlisle CCA
- **Something Else:** Competitive supplier



Account Number: [REDACTED]
 Customer name key [REDACTED]
 Statement Date: 01/03/24
 Service Provided To:
 [REDACTED]

Svc Addr: [REDACTED]
CARLISLE MA 01741
Rate A1 R1 RESIDENTIAL Cycle 01
Service from 11/29/23 - 12/29/23 **30 Days**
Next read date on or about: Feb 01, 2024

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
1873216	14287	13712	575	Actual

Monthly kWh Use						
Jan	Jan	Mar	Mar	May	May	Jun
723	549	546	468	644	639	654
Aug	Aug	Oct	Oct	Nov	Dec	
1134	668	796	457	424	575	

Contact Information
 Emergency: 800-592-2000
 www.eversource.com
 Pay by Phone: 888-783-6618
 Customer Service: 800-592-2000

Important Messages About Your Account
 DIGGING? STATE LAW REQUIRES YOU OR YOUR CONTRACTOR TO CALL DIG SAFE AT 811 AT LEAST THREE BUSINESS DAYS PRIOR TO DIGGING. FOR MORE INFORMATION VISIT DIGSAFE.COM. IMPORTANT SAFETY INFORMATION IS ALSO AVAILABLE IN THE "SAFETY" SECTION OF EVERSOURCE.COM.

THANK YOU FOR GOING PAPERLESS.

Payment will be sent to bank for processing on 01/20/24

\$160.41

Electric Account Summary

Amount Due On 12/29/23	\$120.90
Last Payment Received On 12/21/23	-\$120.90
Balance Forward	\$0.00
Current Charges/Credits	
Electric Supply Services	\$65.84
Delivery Services	\$94.57
Total Current Charges	\$160.41
Total Amount Due	\$160.41

Total Charges for Electricity

Supplier (RESIDENTS ENERGY)

Meter 1873216		
Generation Service Charge	575 kWh X .11450	\$65.84
Subtotal Supplier Services		\$65.84

Delivery

(Rate A1 R1 RESIDENTIAL)		
Meter 1873216		
Customer Charge		\$10.00
Distribution Charge	575 kWh X .08147	\$46.85
Transition Charge	575 kWh X -.00411	-\$2.36
Transmission Charge	575 kWh X .03812	\$21.92
Revenue Decoupling Charge	575 kWh X .00304	\$1.75
Distributed Solar Charge	575 kWh X .00469	\$2.70
Renewable Energy Charge	575 kWh X .00050	\$0.29
Energy Efficiency	575 kWh X .02334	\$13.42
Subtotal Delivery Services		\$94.57
Total Cost of Electricity		\$160.41

Total Current Charges \$160.41

Identifying your CCA product

2024 CCA Supply Prices (\$/kWh):

- .15989: Standard (default)
- .15025: Optional Basic
- .17896: Optional Green 100

.11450



To join the CCA or change Products

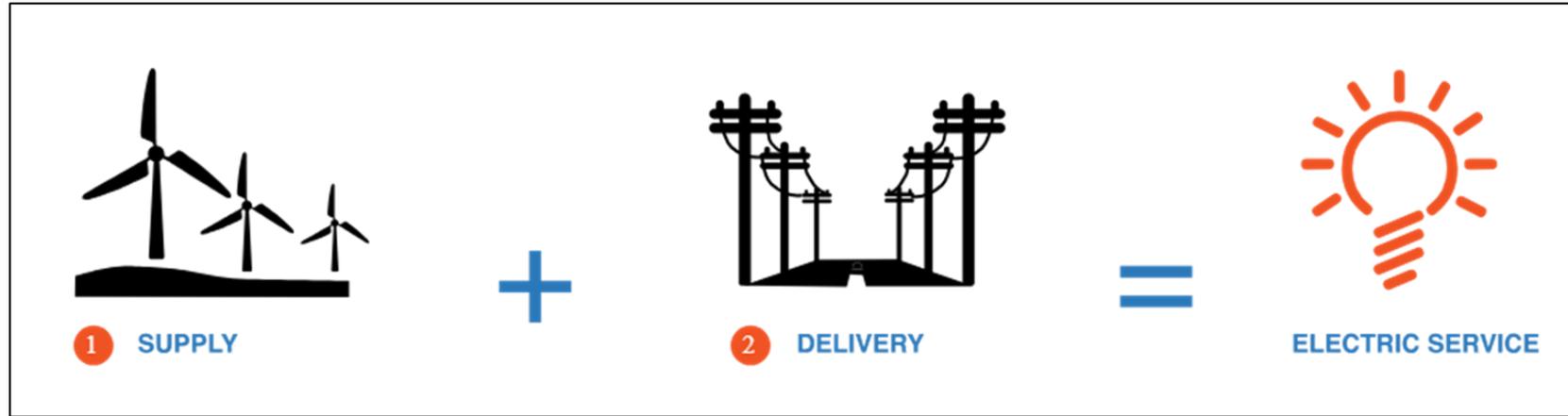
- Visit Colonial Power's website:
<https://colonialpowergroup.com/carlisle/>

OR

- Call Colonial Power at 866-485-5858 (ext. 1)
 - Have a recent Eversource bill handy
- Further details on Town website:
<https://www.carlislema.gov/731/Community-Choice-Aggregation-Program>



MA Electric Service Overview



- **Supply:**
 - Includes production and sale
 - De-regulated in 1998—Customer can choose supplier
- **Delivery:**
 - Includes transportation, metering, billing, and customer service
 - Regulated—No choice; Eversource is Carlisle’s delivery company
- **Electric Bill:** Itemizes supply and delivery charges



Supply Options in Carlisle

Supply Option	Description
Eversource Basic Service	<ul style="list-style-type: none">• Eversource procures electricity through 6-month contracts• Passes supply cost to customer with no mark-up
Competitive Supplier	<ul style="list-style-type: none">• Customer contracts directly with independent, third-party supplier
On-Site Solar	<ul style="list-style-type: none">• Customer purchases or leases solar panels installed on roof or ground
Community Solar	<ul style="list-style-type: none">• Customer subscribes to off-site solar farm
Community Choice Aggregation (CCA)	<ul style="list-style-type: none">• Municipality secures electric supplier on behalf of the community• Customer may opt out



Caution about Competitive Suppliers

- Read contracts carefully
- Monitor supply charges
- MA residents using competitive suppliers **lost \$525 million** over six years compared to Basic Service (**~\$200/year/customer**)

	July 2015 - June 2016	July 2016 - June 2017	July 2017 - June 2018	July 2018 - June 2019	July 2019 - June 2020	July 2020 - June 2021	Six-Year Total Net Loss
Total Net Consumer Loss (millions)	\$65.4 m	\$111.4 m	\$76.2 m	\$87.0 m	\$85.7 m	\$99.5 m	\$525.2 m



CCA History

- 10 states permit CCA's
- Half of MA municipalities currently participate
- Carlisle authorized at 2016 Town Meeting
- Carlisle Contracts:
 1. Public Power (July 2018 – January 2021)
 2. Residents Energy (January 2021 – January 2024)
 3. Dynegy Energy (January 2024 – January 2026)
- Provides ~70% of Carlisle's electricity (~75% of residential)
- Colonial Power Group is Carlisle's Consultant (\$0.001/kWh fee)

Authorized in 10 States:

- California
- Illinois
- Maryland (Montgomery Co. Pilot)
- Massachusetts
- New Hampshire*
- New Jersey
- New York
- Ohio
- Rhode Island
- Virginia*

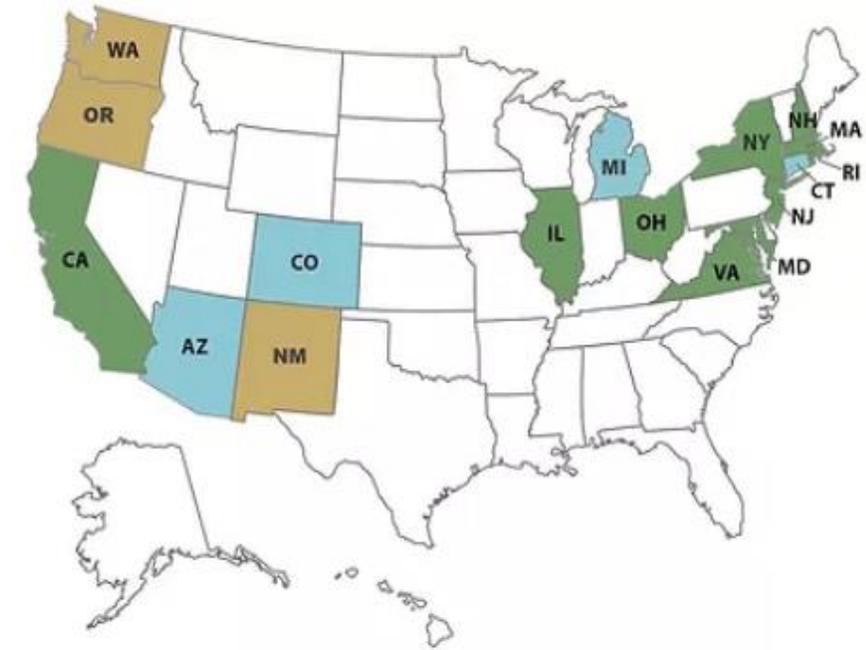
Actively Investigating:

- Arizona
- Colorado
- Connecticut
- Michigan

Watch List/Potential:

- Oregon
- Washington
- New Mexico

* Not yet implemented



Source: U.S. EPA

Updated 8.27.21



CCA—How it Works

- **Existing CCA customers:**
 - Receive advanced notice of CCA contract changes
 - Free to leave CCA at any time at no fee (allow 1 or 2 billing cycles)
 - ***Must take action to change current product***
- **Eversource Basic Service customers:**
 - Those who previously opted out of CCA: Can switch to CCA
 - Those who have ***not*** previously opted out:
 - Receive advanced notice of CCA
 - Default is to switch to CCA with Standard (Default) product
 - ***Must take action to stay with Eversource***
 - ***Must take action to procure Optional Basic or Optional Green 100***
- **Competitive supplier customers:**
 - Can switch to CCA
 - Check contract for early termination clauses



Carlisle CCA Supply Prices

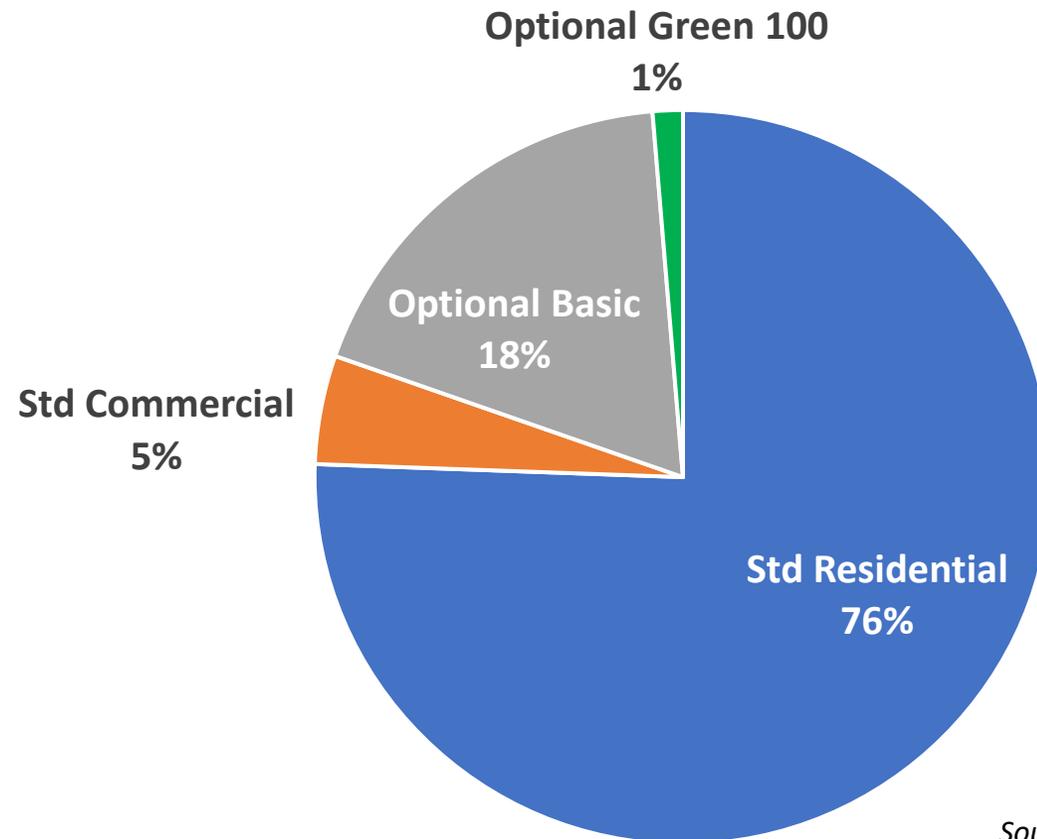
Product	Term	Supply Rate (\$/kWh)	Additional MA Class I Renewable Content *	Total MA Class I Renewable Content
Standard (Default)	Jan 2024 – Jan 2026	0.15989	+25%	49% to 52%
Optional Basic		0.15025	+0%	24% to 27%
Optional Green 100		0.17896	+76% to +73%	100%
<i>Eversource (for Comparison)</i>	<i>Jan 2024 – Jul 2024</i>	0.17251	+0%	24%

** In addition to required MA Class I content (24% in 2024 & 27% in 2025). Other renewable energy requirements apply. The environmental benefits of other types of renewable content may be lower.*



CCA Product Mix

1,588 CCA Meters (Jul – Sep 2023 Avg.)



Source: Colonial Power Group; Carlisle Aggregation Q3'23;
<https://www.carlislema.gov/915/Contract-2-Status-Reports>



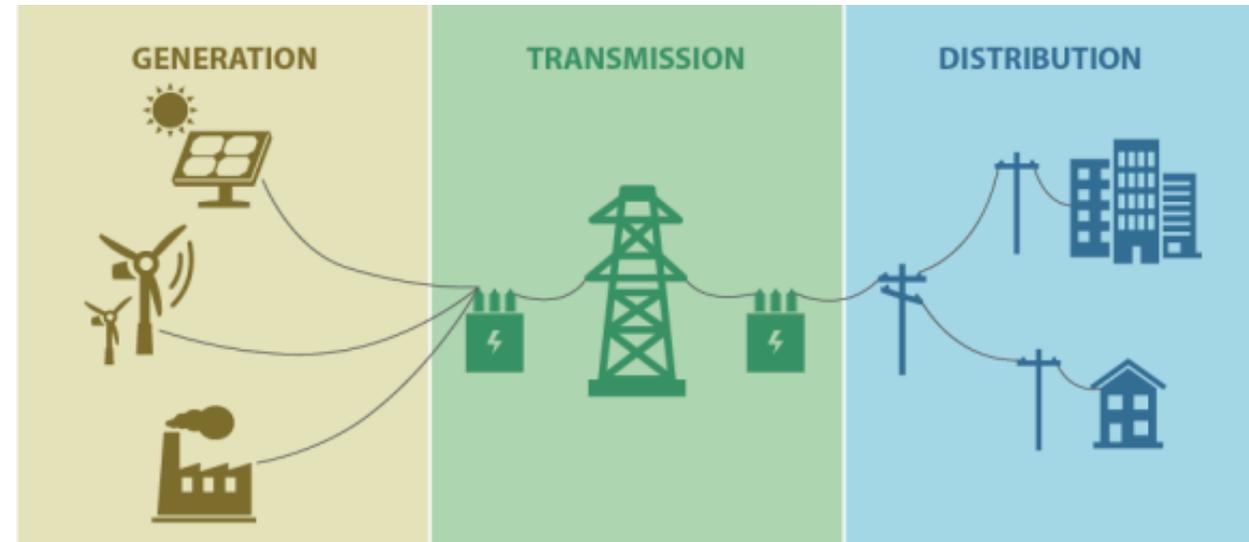
Carlisle CCA Savings





Environmental Considerations

- The delivery system (Transmission & Distribution) mixes electricity from all sources
- Renewable generators sell two products separately:
 1. ***Environmental Attributes:*** Renewable Energy Certificates (RECs)—one for each megawatt hour (MWh) of renewable generation
 2. ***Commodity Electricity***





Environmental Considerations

- RECs allow the purchaser to claim use of renewable energy
- RECs stimulate new investment in renewables
- RECs from different sources can have differing environmental benefits and differing costs
- MA Class I RECs arguably provide the greatest environmental benefits, but also cost the most
 - Commercial operation after 1997; Based in New England
 - Limited to wind, solar, small hydro, and landfill gas
 - MA requirements for Class I content increase 3 percentage points/yr.

Recommendation: Compare products based on MA Class I content, and ignore total renewable content



Renewable Content of CCA Products

Product	Term	Supply Rate (\$/kWh)	Additional MA Class I Renewable Content *	Total MA Class I Renewable Content
Standard (Default)	Jan 2024 – Jan 2026	0.15989	+25%	49% to 52%
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** Percentage points in addition to required MA Class I content (24% in 2024 & 27% in 2025). Other renewable energy requirements apply. The environmental benefits of other types of renewable content may be lower.*



Resources for Supply Options

- Eversource Basic Service: <https://www.eversource.com/content/residential/account-billing/manage-bill/about-your-bill/rates-tariffs/electric-supply-rates>
- Competitive Suppliers:
 - Clean Energy: <https://goclean.masscec.com/clean-energy-solutions/solar-electricity/>
 - Other: <https://www.energyswitchma.gov/#/>
 - Office of the Attorney General: <https://www.mass.gov/info-details/what-do-i-need-to-know-about-my-electric-supply-options-in-massachusetts>
- On-Site Solar: <https://goclean.masscec.com/clean-energy-solutions/solar-electricity/>
- Community Solar: <https://goclean.masscec.com/clean-energy-solutions/community-solar/>
- Community Choice Aggregation:
 - Town Website: <https://www.carlislema.gov/731/Community-Choice-Aggregation-Program>
 - Colonial Power Group: <https://colonialpowergroup.com/carlisle/>
 - MA DPU: <https://www.mass.gov/info-details/municipal-aggregation#a-g>



Recording and Presentation Slides

Recording and presentation will be posted on the Town website:

<https://www.carlislema.gov/731/Community-Choice-Aggregation-Program>



Thank you!