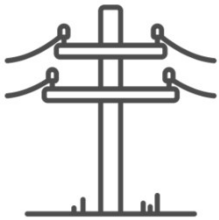




COMMUNITY CHOICE AGGREGATION

VIRTUAL PUBLIC FORUM
MAY-SEPTEMBER 2020 WEBEX

ELECTRICITY SYSTEM



1. DELIVERY: THE WIRES THAT GET POWER TO YOU



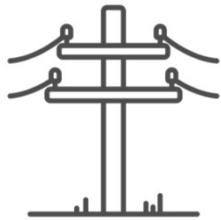
2. SUPPLY: THE ACTUAL ELECTRICITY

- The utility manages the delivery portion
- For Andover, National Grid is the utility
- National grid provides supply by default, called **Basic Service (R-1, R-2 G-1)**
- Customers can choose their own supplier and leave Basic Service at any time
- Most residential and small business accounts are still on basic service, while most large commercial accounts have chosen their own supplier

COMMUNITY CHOICE AGGREGATION



STILL RECEIVE A SINGLE BILL, WITH SLIGHT CHANGES



1. DELIVERY: NATIONAL GRID



2. SUPPLY: SUPPLIER CHOSEN BY TOWN

NOTE: SUPPLIER'S NAME IS LISTED ALONG WITH MUNICIPALITY

nationalgrid

SERVICE FOR: JOHN SMITH, 1010 ANY STREET, ANYTOWN MA 99999

BILLING PERIOD: Feb 12, 2016 to Mar 15, 2016

ACCOUNT NUMBER: 99999-99999

PLEASE PAY BY: Apr 9, 2016

AMOUNT DUE: \$ 87.62

ACCOUNT BALANCE

Previous Balance	101.67
Payment Received on MAR 1 (ACH)	-101.67
Current Charges	+ 87.62
Amount Due	\$ 87.62

Go paperless! Electronic billing and payments make managing your monthly bill easier. Save time, money, and natural resources. www.ngrid.com/paperless.

Payment concerns? We are here to help. To learn about solutions to help you take control of your energy use and bills, visit www.ngrid.com/billhelp.

DETAIL OF CURRENT CHARGES

Delivery Services

Service Period	No. of days	Current Reading	Previous Reading	Total Usage
Feb 12 - Mar 15	32	7104 Actual	6713 Actual	391 kWh

METER NUMBER: 12345678

RATE: Residential Regular R-1

Customer Charge	4.00
Dist Chg First 391 KWH	0.04058558 x 391 kWh = 15.87
Transmission Charge	-0.00103529 x 391 kWh = -0.40
Energy Efficiency Chg	0.02714779 x 391 kWh = 10.62
Renewable Energy Chg	0.01624 x 391 kWh = 6.35
	0.0005 x 391 kWh = 0.20
Total Delivery Services	\$ 26.64

Supply Services

Basic Service Fixed	0.13038 x 391 kWh = 50.98
Total Supply Services	\$ 50.98

nationalgrid

ACCOUNT NUMBER: 99999-99999

PLEASE PAY BY: Apr 9, 2016

AMOUNT DUE: \$ 87.62

ENTER AMOUNT ENCLOSED

Write account number on check and make payable to National Grid. Please pay Gas & Electric bills separately.

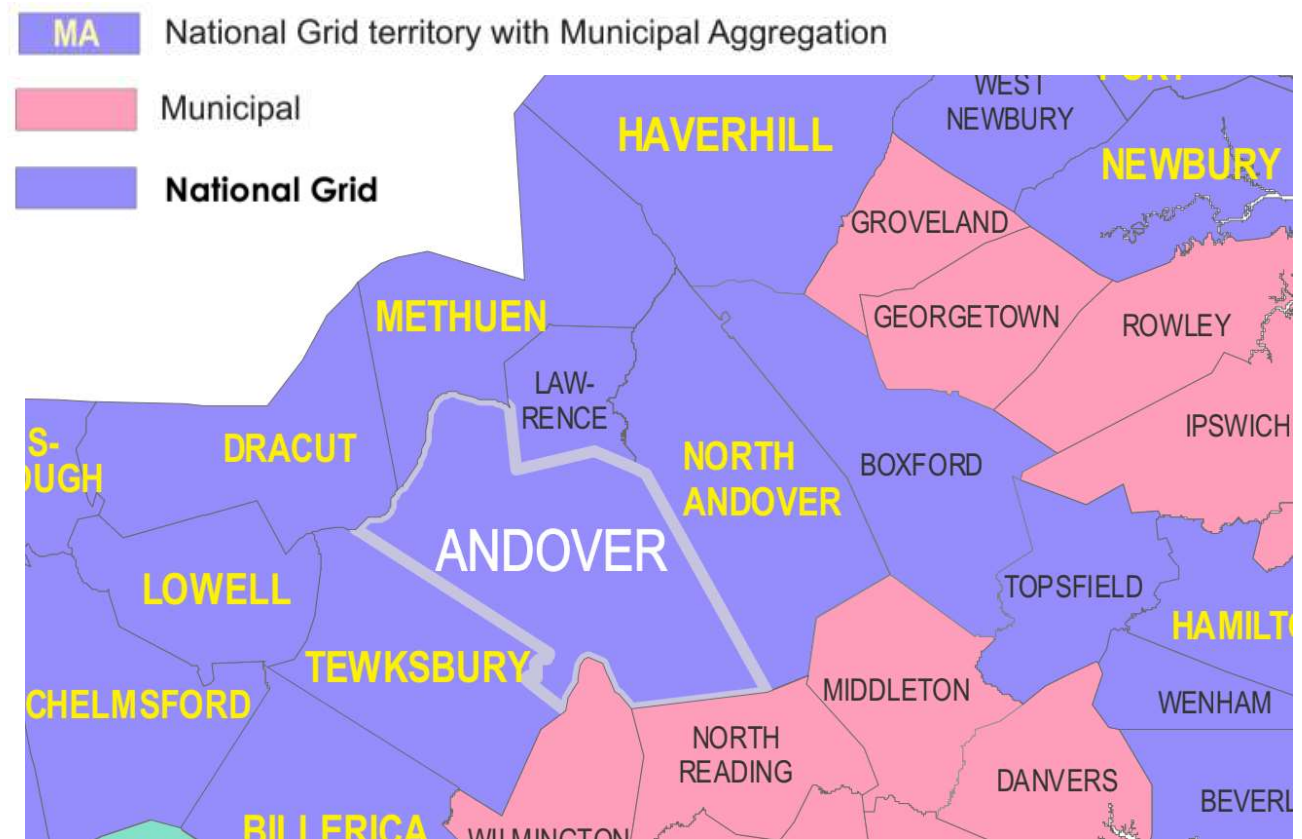
NATIONAL GRID
PO BOX 11737
NEWARK NJ 07101-4737

Courtesy of MAPC

WHERE IS AGGREGATION HAPPENING?



According to a March 2018 report from the Mass Energy Consumers Alliance, there are about **145 cities and towns** in MA with an aggregation in place or in process



Map downloaded from www.andovercca.org

POTENTIAL SAVINGS CALCULATOR



Welcome Overview Basic Service **Explore** Events FAQ Resources

- AndoverCCA.org tool by Anil Navkal et al.
- Click on Explore link
- Load your current usage (kWh) or click on one of six example (sample #6 is a small business customer example)
- Find out what your bill and annual savings would be under active CCA programs in neighboring communities

What if Andover were to adopt CCA?

CCA has the potential to increase your use of renewable energy while reducing your electricity costs. Use the *CCA Bill Estimator* below to assess the potential impact of CCA on your electric bill.

[Instructions](#)

CCA Bill Estimator

Sample Customer 3:
4-bedroom house, A/C

Sample Customers

1 2 3 4 5 6

Start Month

Apr 18

Apr 18	1033	Nov 18	1055
May 18	974	Dec 18	1160
Jun 18	1254	Jan 19	1219
Jul 18	1128	Feb 19	1198
Aug 18	1445	Mar 19	1056
Sep 18	1461	Apr 19	1034
Oct 18	1206		

[Calculate](#)

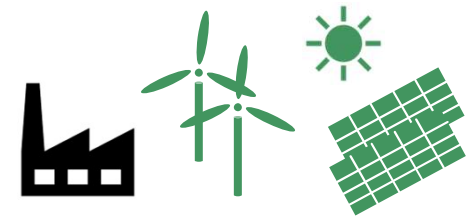
[Clear](#)

Sample Customer 3: 4-bedroom house, A/C
Energy used: **14,190 kWh** from May 18 through Apr 19
Average annual savings offered by CCA options shown: **\$127**

WHY CCA?

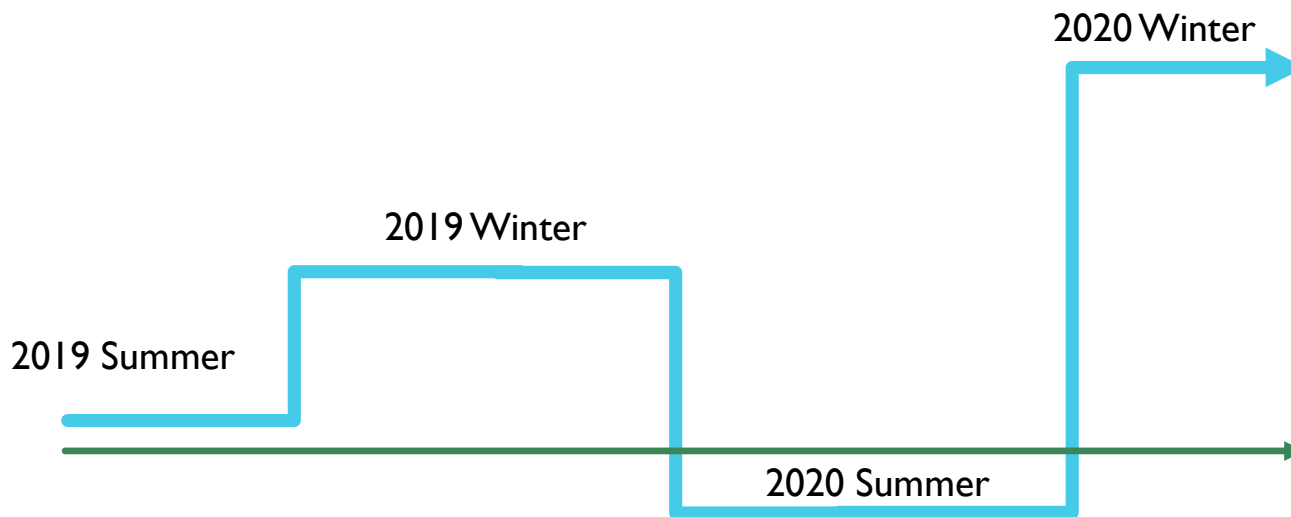


- Rate stability
- Local renewable energy investment
- Long term savings (but no guarantee)
- Consumer protections – no termination fees, transparent fixed rates, and always an option to completely opt-out
- Consumer education and increased awareness of the competitive supply market



Choice of
traditional natural
gas and **renewable
energy (solar, wind)**
supplies

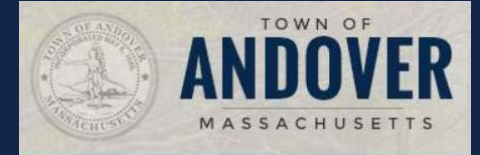
RATE STABILITY



Basic Service Rates Change Every 6 months (Higher in Winter)

CCA Rates Stable Over 12 to 36 Months Contract Term

IT'S ~~NOT~~ EASY BEING GREEN!



CLIMATE IMPACT: Putting just 5% additional renewable energy on the Andover grid is equivalent to installing 500 rooftop solar units, or taking 440 passenger cars off the road!



AUTHORIZATION AT TOWN MEETING

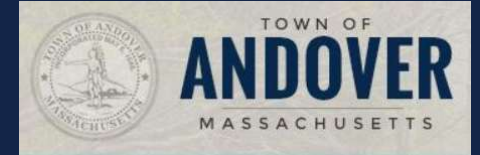


Article 28: Community Choice Aggregation Program

To see if the Town will vote to grant the Select Board authority to initiate a municipal aggregation Program to aggregate the electrical load of interested residents and businesses within the Town independently, or in joint action with other municipalities, retain the right of individual residents and businesses to opt-out of the aggregation pursuant to M.G.L c. 164, Sec. 134; and to authorize the Select Board to (i) enter into one or more agreements with one or more consultants to assist the Town with the development, implementation, and administration of such aggregation program for a term of more than three years; and (ii) take any actions and execute any other documents and ancillary agreements necessary, convenient, or appropriate to accomplish the foregoing and to implement and administer the aggregation program and consultant agreements, which agreements and documents shall be on such terms and conditions and for such consideration as the Select Board deems in the best interest of the Town, or take any other action related thereto.

What Happens After Town Meeting?

DESIGN TEAM: DEFAULT RATE IMPACT



- Andover’s Design Team will recommend the default “Default Green” rate and balance between:
 - Supporting more renewable energy
 - Keeping the default supply rate competitive with Basic Service rates
- Will also explore two other options
 - “Basic Green” (minimum required) renewable energy option
 - “Max Green” 100% renewable energy option
- Meetings will be done in collaboration with Good Energy and abide by the Open Meeting regulations to ensure transparency and engagement
- Select Board will then vote to approve rates

CCA PROGRAM IMPLEMENTATION DETAILS



- Comprehensive public outreach campaign
- Eligible basic service accounts automatically enrolled unless opted-out; if not on basic service, you will be eligible to enroll separately once your current contract is completed
- You may leave the program at any time without early termination fees
- You will continue to receive one bill from National Grid
- You will continue to send payment to National Grid
- National Grid will continue to respond to emergencies and outages
- Your reliability and quality of service will stay the same
- Budget plans continue
- Low income discounts continue
- No impact or change to households with solar

ANDOVER COMMUNITY CHOICE AGGREGATION



Why bring Community Choice Aggregation to Andover?

Rate Stability

Utilities are restricted in how they procure Basic Supply Service which leads to pricing spikes, often in the winter. Aggregations typically contract for 1 to 3 years at a fixed rate providing predictability and stability for budgeting.

Local Renewable

Program allows Andover to purchase energy with a higher renewable content than required. Local renewable energy leads to job creation as well as overall sustainability locally. Not all clean energy is created equal.

Potential Savings

Aggregation allows for securing competitive pricing through bulk purchasing to time the Town's bid to avoid bad markets and lock in good prices. Although not guaranteed, residents typically see savings over the life of the contract. Focus needs to be on long term savings.