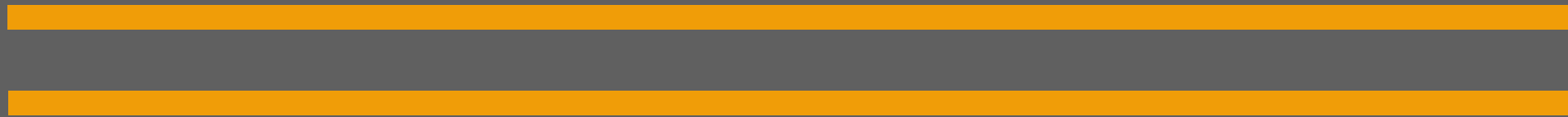
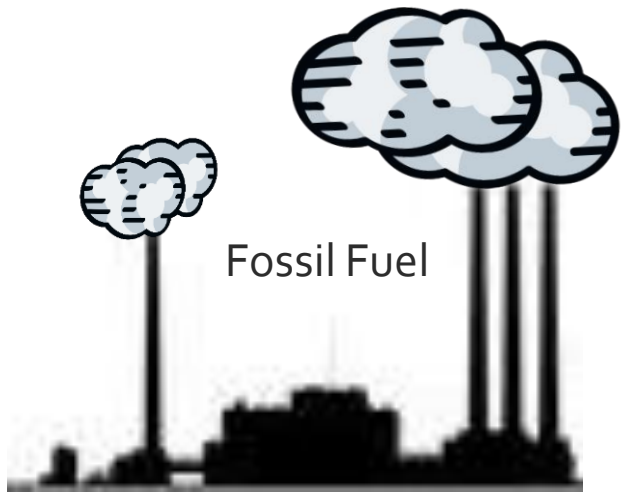


COMMUNITY CHOICE AGGREGATION

And the Rochester People's Climate Coalition

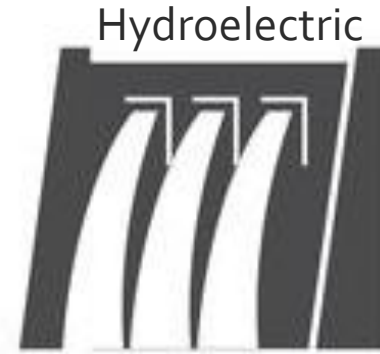




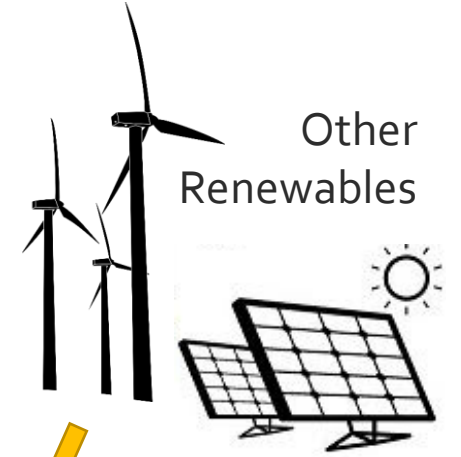
Fossil Fuel



Nuclear



Hydroelectric



Other Renewables

32%

31%

30%

7%

Traditional Electricity Mix for Greater Rochester

CURRENT - WITHOUT CCA THE POWER

Traditional Generation Mix



Generators provide electricity to the grid

Energy Suppliers/Brokers

Utilities)

Utility transports electricity to customers

Customers



CURRENT - WITHOUT CCA THE MONEY

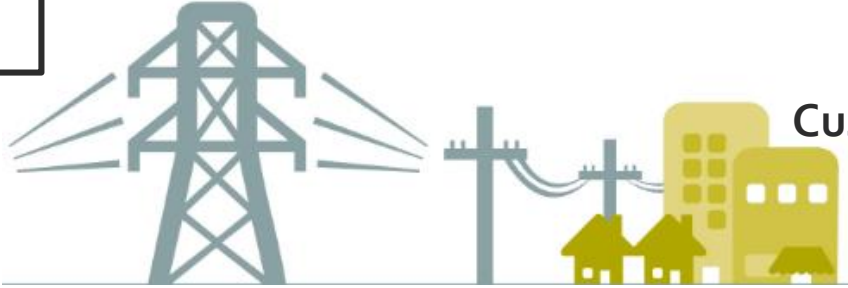
Traditional Generation Mix



Energy
Suppliers/Brokers

Utilities)

Utility pays ~~\$\$\$~~ suppliers/brokers for supply



Customers

~~\$\$\$~~ ~~\$\$\$~~

Customers pay utility bill for both supply and delivery

CURRENT - WITHOUT CCA

Traditional Generation Mix



Generators provide electricity to the grid

Energy Suppliers/Brokers

Utility pays suppliers/brokers for supply

Utilities)

Utility transports electricity to customers

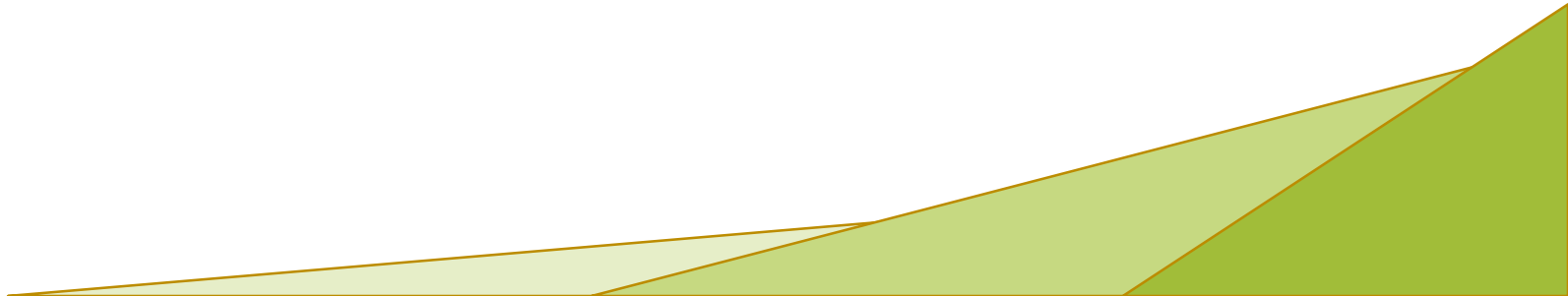
Customers

Utility bill

Customers pay utility bill for both supply and delivery



WHAT IS COMMUNITY CHOICE AGGREGATION (CCA)?

- Energy purchase program authorized by the Public Service Commission (PSC) in April 2016
 - Allows municipalities to aggregate energy demand and negotiate bulk purchase
 - All energy customers are eligible to participate
- 

PROPOSED WITH UCA

Traditional Generation Mix



Renewable Generation



Generators provide electricity to the grid

Energy Suppliers/Brokers

Energy Suppliers/Brokers

CCA Administrator negotiates agreements behalf of customers

Utility pays suppliers/brokers for supply

Utilities)

Utility transports electricity to customers

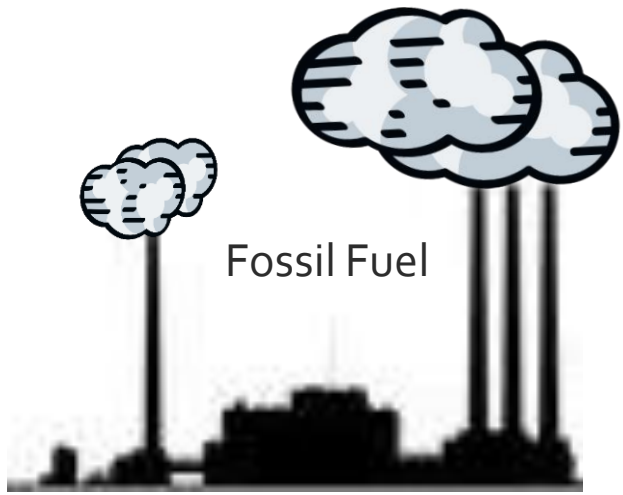
Customers

Customers pay utility bill for both supply and delivery

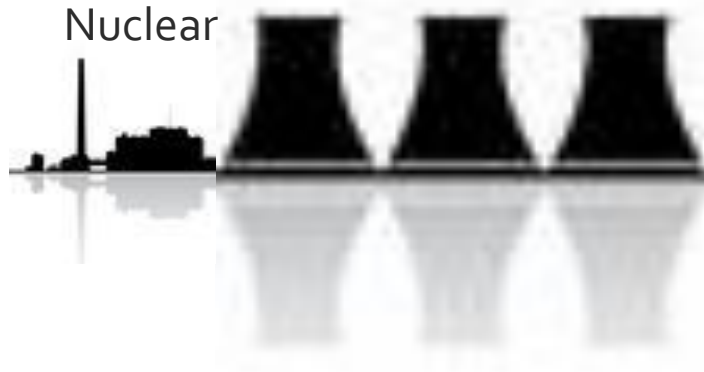
Customers pay utility bill for both supply and delivery

WHAT ARE THE BENEFITS OF CCA?

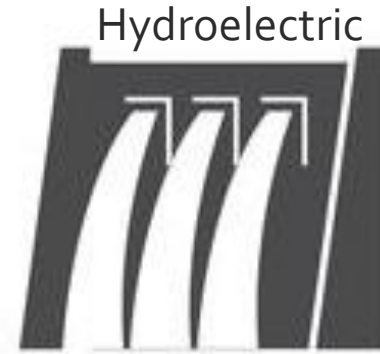
- **Reduced electric rates for residents and small businesses**
 - **Reduced price volatility through fixed rate and longer term contracts**
 - **Potential improved access to state grant programs such as Clean Energy Communities**
 - **Can accelerate the transition to renewable energy**
 - **Encourage local renewable energy development and jobs**
- 



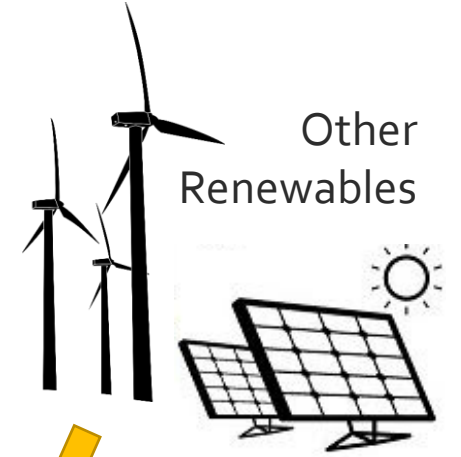
Fossil Fuel



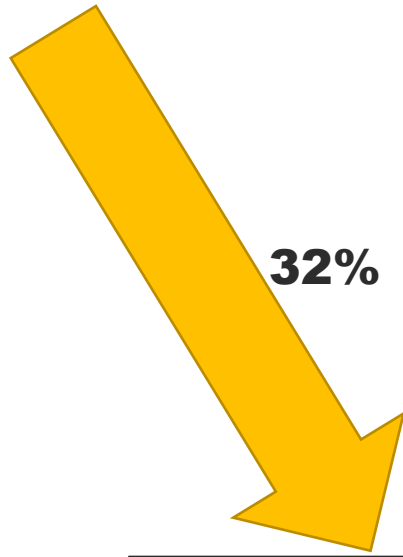
Nuclear



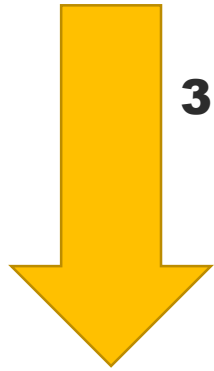
Hydroelectric



Other Renewables



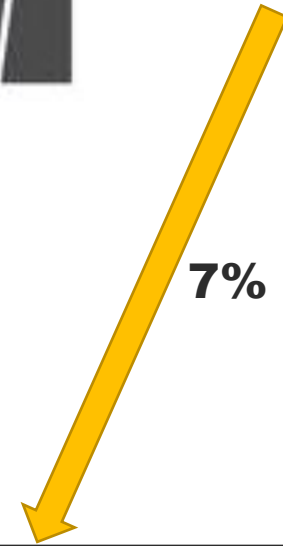
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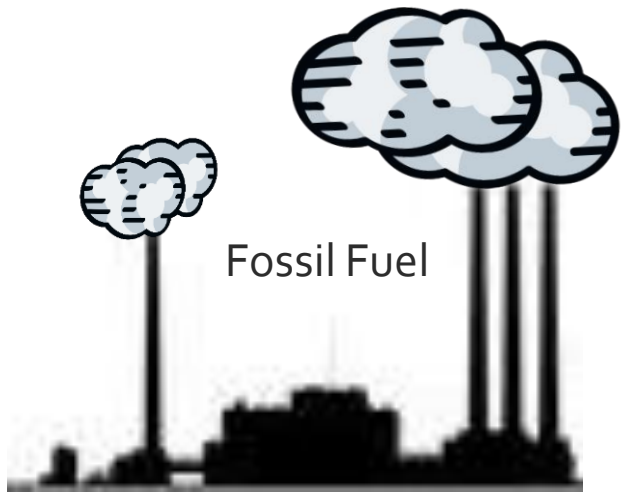


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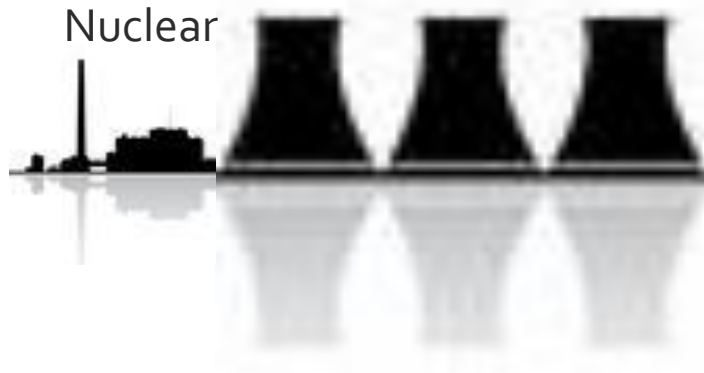


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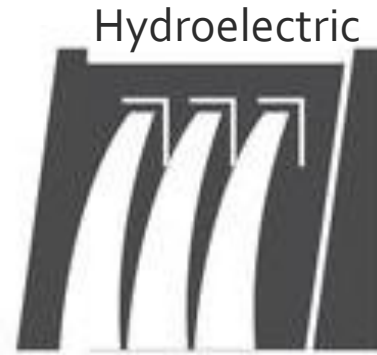
Traditional Electricity Mix for Greater Rochester



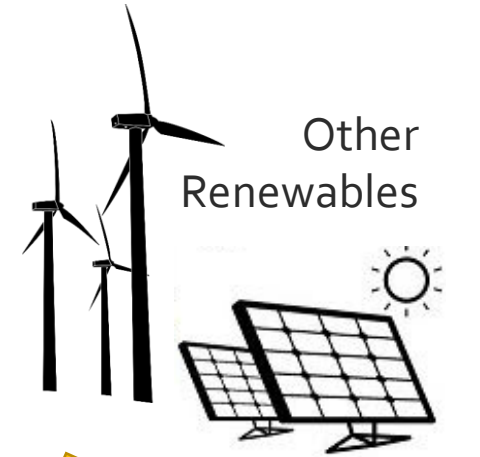
Fossil Fuel



Nuclear



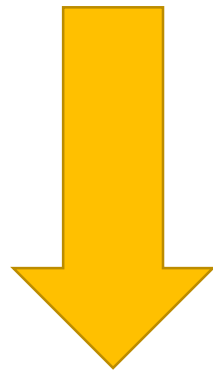
Hydroelectric



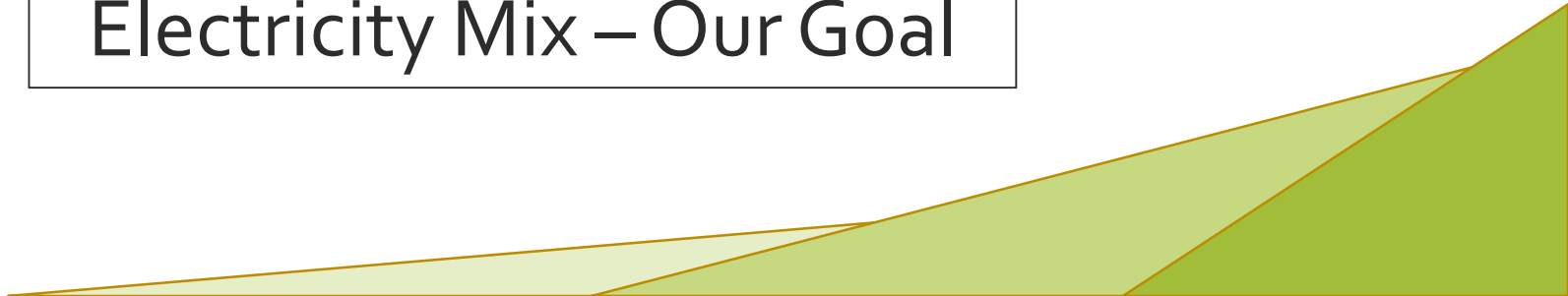
Other Renewables

plus shared solar

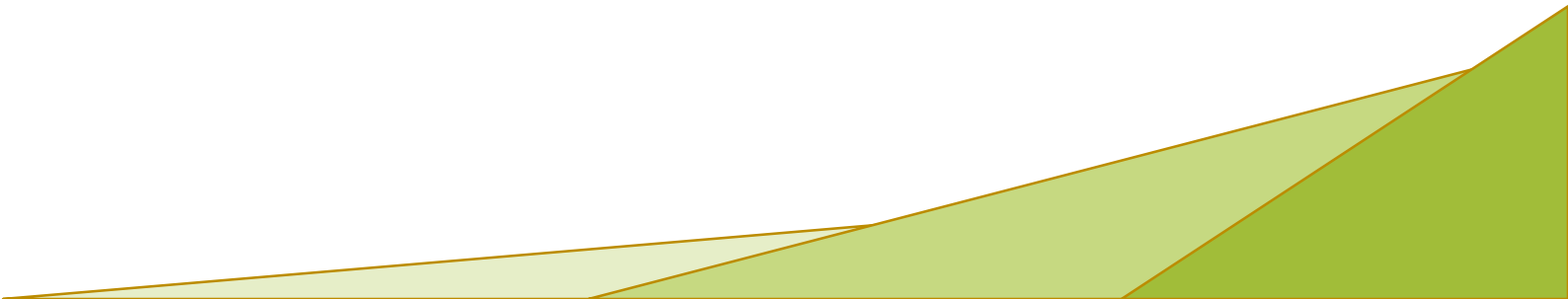
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Electricity Mix – Our Goal



CCA IN NEW YORK

- PSC approved the Sustainable Westchester pilot project February 2015
 - Incorporated lessons learned from Westchester Power
 - Enacted for rest of state April 2016
-
- Westchester Power achieves long term fixed rate contracts
 - Many municipalities now supplied with 100% renewable energy
- 

WHO CAN AUTHORIZE CCA?

- Villages
- Towns
- Cities

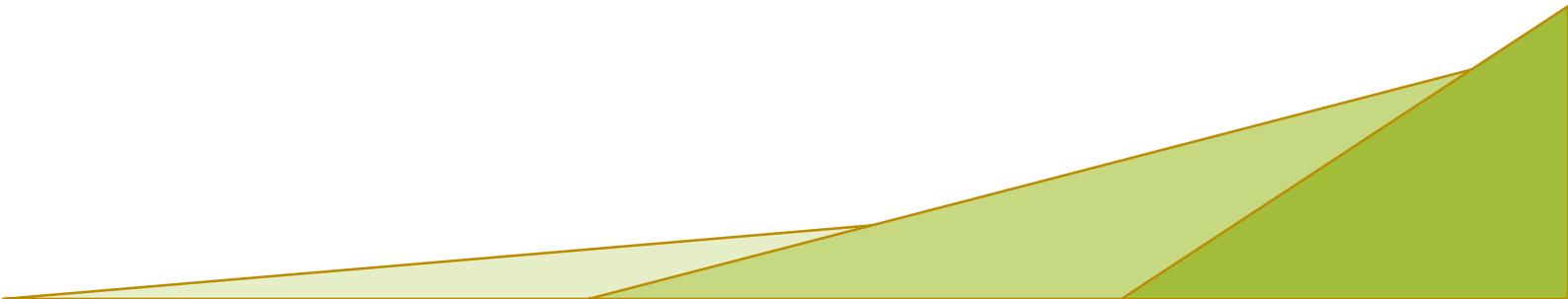
Multiple municipalities can work together to form a single CCA that serves several communities.

- Westchester Power includes 20 municipalities and 110,000 customers

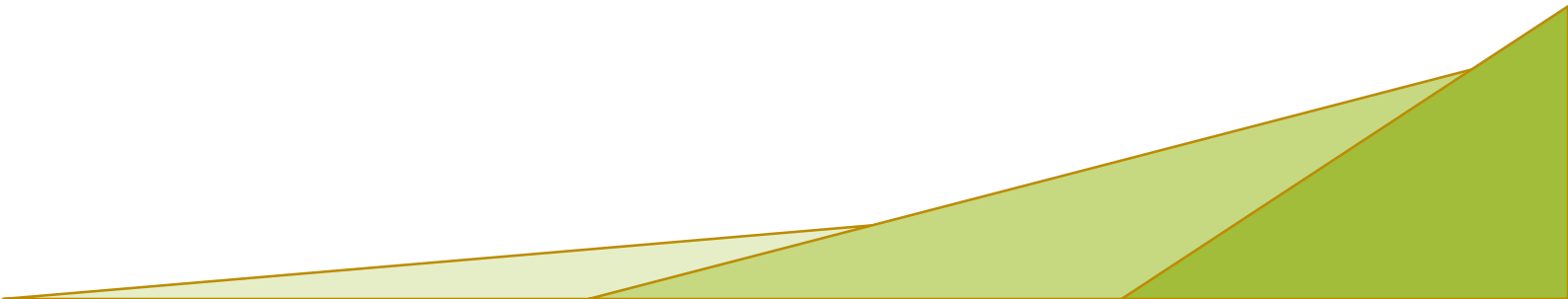
County governments are not authorized to create a CCA but are encouraged to support the efforts of municipalities within their boundaries.



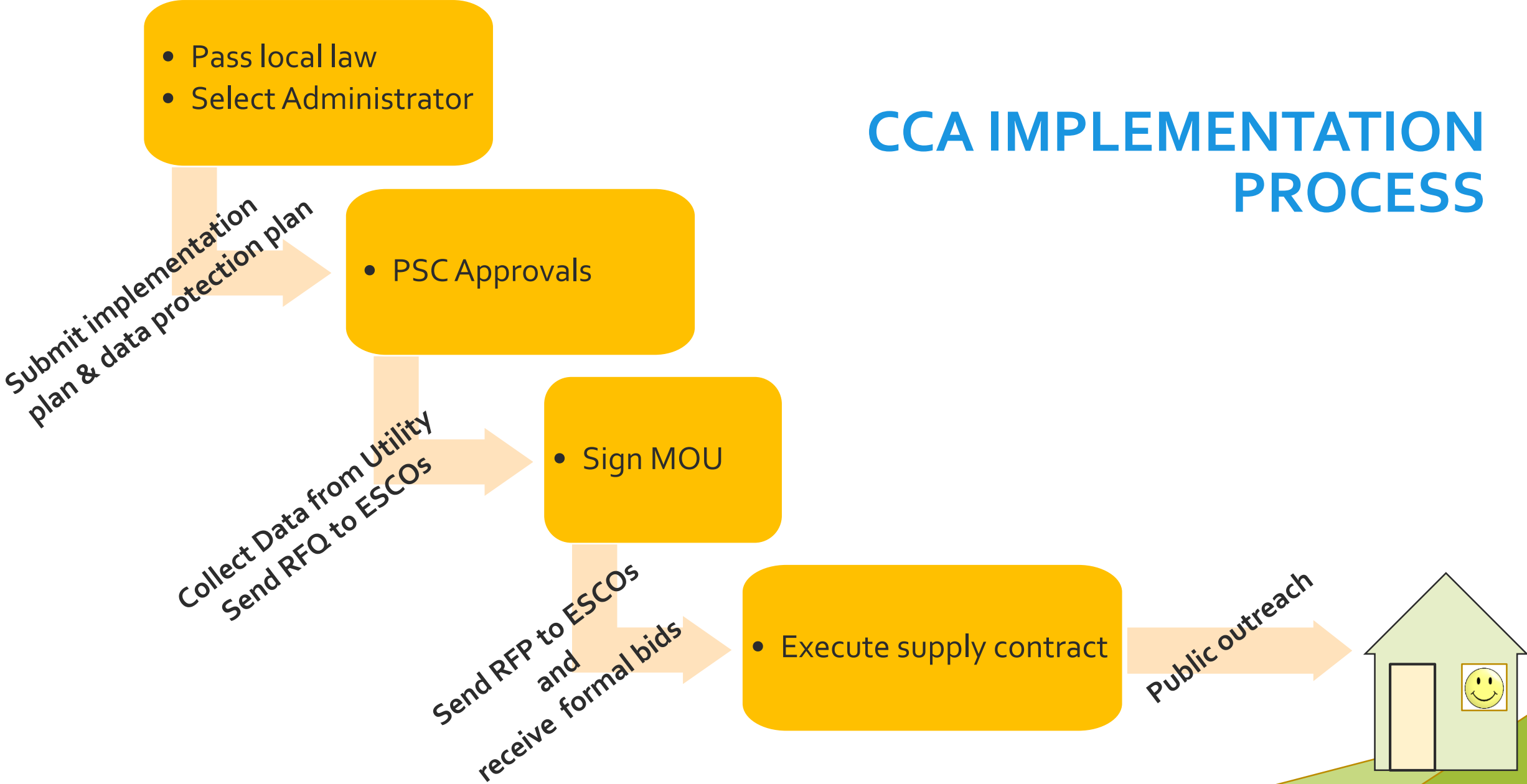
CCA PROGRAM OVERVIEW

- May aggregate electric supply, gas supply, or both
 - May include energy efficiency and distributed energy resources like solar
 - Designed to enroll customers on an opt-out basis, but must offer easily accessible opportunity for would-be participants to opt out
 - May include customers already contracted with ESCOs on an opt-in basis
 - May choose to procure 100% renewable energy
- 


CCA ADMINISTRATION FLEXIBILITY

- Municipality can administer its CCA program itself
 - Can have a third party such as a non-profit administer its CCA program
 - Administration costs can be paid from the charges for electricity and are typically folded into the supplier contract
- 

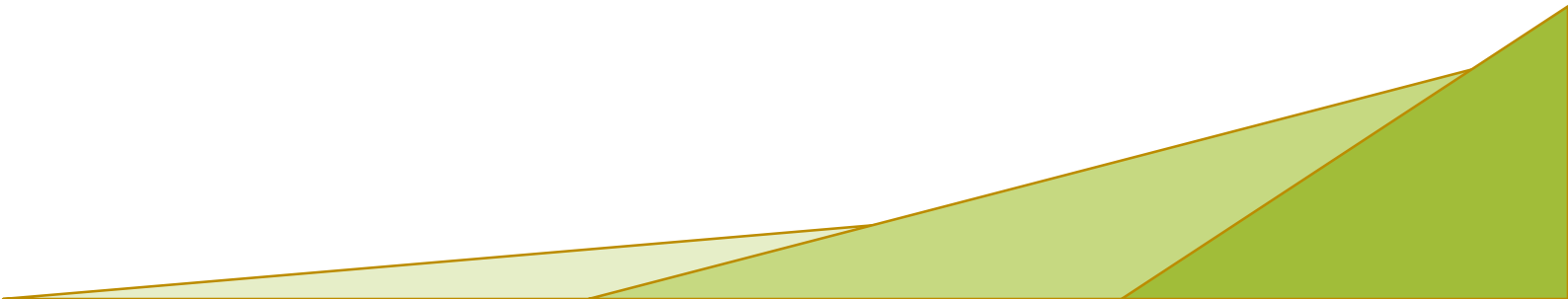
CCA IMPLEMENTATION PROCESS




STEPS FOR CCA ADMINISTRATOR

- Design the program through development of an Implementation Plan and coordination with the PSC
 - Coordinate with the utility (i.e. RG&E, National Grid)
 - Solicit, negotiate and contract for electric supply using the CCA's bulk buying power
 - Educate the community about the program and the opt-out process
 - Follow rules to prepare for and renew purchase contracts going forward
 - Consider distributed generation opportunities (i.e. shared solar)
- 

WHAT RPCC IS PROPOSING

- **Coordination among interested municipalities**
 - **100% renewable energy supply, incorporating local energy projects**
 - **Offer services in partnership with Joule Assets for program administration and program organization**
 - **Initially Joule Assets to provide CCA administrator services and RPCC to provide program organization**
 - **At the end of the first procurement contract, RPCC to transition to conduct both roles**
 - **If selected, payment for services from fees collected in accordance with the PSC order**
- 

WHY RPCC AND JOULE

- **Joule Assets**
 - Comprised of professionals who set up the Westchester CCA
 - Worked with NYSERDA and the PSC to put the New York CCA program in place
 - **RPCC**
 - Made up of involved citizens and technical experts in the Rochester area
 - Interest in maximizing the full array of benefits for the community
 - Long-term interest in the success of a greater Rochester CCA
 - **The Joule/RPCC team has already been working with local municipalities**
- 

QUESTIONS

Questions and comments about CCA and this presentation can be directed to:

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