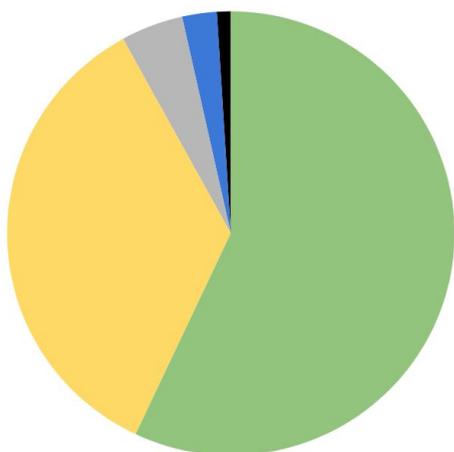


# Green Aggregation & Renewable Energy

## MA Class I and the Clean Energy Standard

### Massachusetts Class I

- Wind
- Solar
- Landfill Gas
- Low Impact Hydroelectric
- Anaerobic Digestion, Other Biomass, Marine



Sources of 2017 MA Class I Compliance

MA Class I is the State of Massachusetts' term for new, local renewable energy. The renewable energy can come from the sources shown at left and it must:

- Have started operation after 1997
- Be located within New England, New York or Eastern Canada

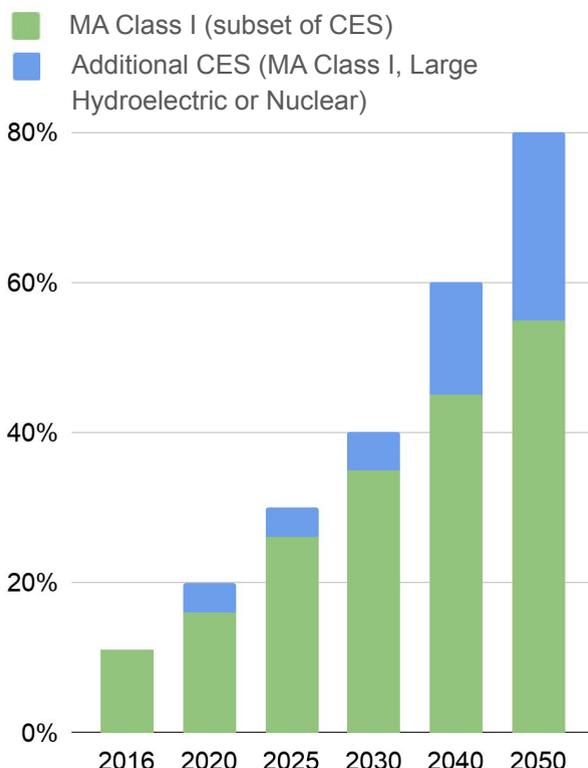
The State requires that electricity suppliers must meet a minimum percentage of their load with MA Class I renewable energy, and that percentage **increases** every year. This requirement, called the Renewable Portfolio Standard, has been a major driver of the growth of new renewable energy in our region. CEAs can accelerate this growth by purchasing extra MA Class I renewable energy.

### Clean Energy Standard

The Clean Energy Standard (CES) layers on top of the MA Class I requirement. It is a minimum percentage that **increases** every year. Sources must:

- Have started operation after 2010
- Be MA Class I renewable energy, large hydroelectric or nuclear

In 2020 the CES is 20% and the MA Class I requirement is 16%. Currently, there is no large hydro or nuclear that can meet the the CES, therefore the remaining 4% comes from more MA Class I. However, if new, eligible large hydro and nuclear becomes available they could have the potential to meet the CES requirement. Large hydro and nuclear power do not emit greenhouse gases; but, they both have major environmental impacts. Most large hydroelectric also comes from outside New England. As a result, we focus our efforts on MA Class I renewables within the region. By doing so, we help expand that cleanest energy sources and keep the benefits close to home.



## MA Class I & Green Energy Consumers Alliance

Good Energy sources all additional MA Class I renewable energy from our partner Green Energy Consumers Alliance, a local non-profit dedicated to expanding clean energy in our region. We work with Green Energy Consumers Alliance because **they help our communities have more impact, use the cleanest resources and support local clean energy.**

### Help Build New Clean Energy

Green Energy Consumers Alliance often procures renewable energy through long term contracts with renewable energy developers. These are especially helpful in bringing new renewable projects to life: developers use the long term, guaranteed revenue stream in order to obtain financing for the construction of their project.



Landfill Solar in North Providence, RI

Recently Green Energy Consumers Alliance leveraged demand from Good Energy's aggregations to enter into long-term contracts for two solar arrays in Johnston and North Providence, Rhode Island. Both solar projects were developed on capped landfills.

### Use Local Renewable Energy

Solar, wind, anaerobic digestion and low-impact hydroelectric power. These are the sources of MA Class I renewable energy your aggregation will get from Green Energy Consumers Alliance.

**Local:** MA Class I renewables can come from as far away as Canada and New York. However, **Green Energy Consumers Alliance sources all of their renewable energy from New England**, and, for our programs, over 80% came from Massachusetts in 2019.

**Clean:** MA Class I renewables can include traditional biomass (e.g. combustion of wood). Green Energy Consumers Alliance does not include this due to GHG emissions concerns. They purchase only from zero-emission sources (solar, wind, low-impact hydro) and methane-destroying sources (landfill gas and anaerobic digestion).

