

## Illustrative Guidelines for Eligible Technologies

This is an *illustrative, non-prescriptive* and *non-exhaustive* list of technologies that could be included in proposed project(s). NYGB may consider supporting and/or participating in financing arrangements that include projects using technologies beyond the scope of this list so long as proposers demonstrate a potential for increased deployment of clean energy and/or a potential for GHG reductions in NYS.<sup>1</sup>

### Renewable Energy Resources<sup>2</sup>

- Solar photovoltaics (no minimum/maximum capacity)
- Solar thermal (no minimum/maximum capacity)
- On/offshore wind (no minimum/maximum capacity)
- Fuel cells (continuous duty) – natural gas fuel or hydrogen
- Hydroelectric
  - Upgrades and/or repowering
  - New low-impact run-of-facility (30 MW or less with no new storage impoundment)
- Biomass<sup>3</sup>
- Biothermal energy
- Biogas
- Landfill gas (methane)
- Sewage gas (methane)
- Manure digestion
- Anaerobic digestion
- Liquid biofuels – ethanol, biodiesel, methanol, bio-oil, and eligible biomass feedstock
- Tidal/ocean power

### Energy Efficiency Resources

- Commercial & Industrial - Efficiency improvements to new and existing facilities that save energy, including:
  - Industrial process efficiency improvements, including without limitation: data center, information technology, communications, water/wastewater, pipeline, mining/extraction, and similar end-use processes, facilities, buildings, and infrastructure
  - Lighting and control systems
  - Heating, ventilation and air conditioning systems
  - Building envelope
  - Energy management and/or control systems, including continuous commissioning
  - Occupant plug load management systems
- Load Reduction
  - Thermal and electric energy storage
  - Demand response programs
- Residential - Comprehensive energy efficiency improvement projects in existing residential buildings, including:
  - Primary heating and cooling systems: Furnaces, boilers, duct sealing, pipe insulation, central air conditioners, heat pumps (including air-source and geothermal) water heaters, and programmable thermostats
  - Building envelope: Insulation, air sealing, windows and doors
  - Other required health and safety measures and related accessories

<sup>1</sup> Subject to laws, regulations and administrative actions (e.g., PSC orders) describing and/or related to the parameters for deployment of NYGB funds.

<sup>2</sup> This list specifically excludes nuclear, municipal solid waste combustion, and adulterated biomass or biofuels.

<sup>3</sup> The “Order Authorizing the Clean Energy Fund Framework”, issued and effective January 21, 2016, Cases 14-M-0094 et al. (the “**CEF Order**”) states that biomass eligibility will be governed by the Biomass Power Guide, which can be found here: <http://www.nyserdanyc.gov/-/media/Files/EDPPP/Energy-and-Environmental-Markets/RPS/RPS-Documents/NYS-RPS-biomass-guidebook.pdf>

- Multifamily housing - Comprehensive improvement projects to multifamily housing facilities, including systems that affect the entire building, the common area, and/or the resident spaces and the following potential measures:
  - Lighting and control systems, including exterior, security, and safety lighting systems
  - Heating, ventilation and air conditioning systems, including boilers (hydronic and steam), furnaces, chillers, room air conditioners, supporting pumps, fans, motors and other auxiliary systems
  - Building envelope, including air sealing, weather-stripping, and insulation
  - Energy management and/or control systems, including continuous commissioning
  - Resident plug load management systems, including home energy monitors and smart strips
  - Appliances, including common area laundry, refrigerators, and dishwashers, both commercial and residential sizes
  - Advanced metering systems to support conversion of master-metered buildings to sub-metering
  - Domestic hot water systems, including generation and distribution
  - Fuel conversion projects that include upgrades to system energy efficiency
  - Water conservation improvements

### **Other Clean Energy Projects**

- Natural gas-fired CHP
- Electric vehicle infrastructure (including charging stations)
- Fuel cells
- Anaerobic digester gas systems (farm and non-farm)
- Offshore wind
- Geothermal
- Clean energy transportation