

# Community Buildings



As part of the Community Energy Plan, eight AFN-owned and operated community buildings were assessed to determine baseline average energy consumption. Based on our findings and feedback from members we drafted the following Energy Conservation Measures.

**Choose your top 5 priorities by drawing a coloured dot beside the options below!**  
*This will help us to prioritize bringing some of the ideas below to life. Note that the dollar signs represent relative cost to implement the measures (low, med, high).*



Draft Energy Conservation Measures	Top 5
Increase the efficiency of boiler/furnace systems <span style="float: right;">\$\$</span>	
Install new electric hot water tanks <span style="float: right;">\$\$</span>	
Install LED lighting <span style="float: right;">\$</span>	
Install sensors that turn on lights when someone is in a room <span style="float: right;">\$</span>	
Install Variable Refrigerant Flow/Volume (i.e., VRF/VRV) systems. <span style="float: right;">\$\$</span> <i>Did you Know? VRF technology provides the ability for multiple indoor AC and/or heating units to operate on the same system and to adjust to the room's needs.</i>	
Ground-source (i.e., geothermal) heating or cooling of a building <span style="float: right;">\$\$\$</span>	
Install air source heat pumps <span style="float: right;">\$\$</span>	
Install rooftop heat pump equipment <span style="float: right;">\$\$</span>	
Make upgrades to the building <span style="float: right;">\$-\$</span> <i>Examples include: sealing cracks and holes in wall; replacement of old windows; increasing insulation in walls and attic; replacement of existing insulation; and, installing barriers around windows and doors to stop air.</i>	
Grow plants on roofs <span style="float: right;">\$\$</span>	
Install biomass heating, which provides heating through wood chips/pellets <span style="float: right;">\$\$\$</span>	
Install (more) rooftop solar panels <span style="float: right;">\$\$\$</span>	

# Community Buildings



## Made-in-Aamjiwnaang Approach to Energy Conservation

In addition to the ECMs identified in the first activity sheet, what else could we be doing to make our community buildings more energy efficient?

Please share any other comments you may have.

# Residential



As part of the Community Energy Plan, fourteen houses were assessed to determine baseline average energy consumption. Based on our findings and feedback from members we drafted the following Energy Conservation Measures.

**Choose your top 5 priorities by drawing a coloured dot beside the options below!**  
*This will help us to prioritize bringing some of the ideas below to life. Note that the dollar signs represent relative cost to implement the measures (low, med, high).*



Draft Energy Conservation Measures	Top 5
Increase energy efficiency of fuel-fired furnace systems	\$\$
Add heat recovery units which preheat fresh/outdoor air	\$\$
Establish minimum efficiency standard for equipment (e.g., refrigerator)	\$
Install Variable Refrigerant Flow/Volume (i.e., VRF/VRV) systems.	\$\$
Make upgrades to the building <i>Examples include: sealing cracks and holes in wall; replacement of old windows; increasing insulation in walls and attic; replacement of existing insulation; and, installing barriers around windows and doors to stop air.</i>	\$\$
Install programmable thermostat	\$
Replace air filters	\$
Promote behavioral changes <i>Examples include: unplugging items not in use, ensure vents are not blocked; using task lighting; using window covers; taking advantage of sunlight; washing clothes in cold water; using a clothesline to dry; and taking short showers.</i>	\$
Have someone come to complete an energy audit for your home	\$
Install solar panels	\$\$\$
Install on demand hot water heaters	\$\$
Install biomass heating, which provides heating through wood chips/pellets	\$\$\$
Install LED lighting	\$
Install sensors that turn on lights when someone is in a room	\$

# Residential



## Made-in-Aamjiwnaang Approach to Energy Conservation

In addition to the ECMs identified for homes, what else could we be doing to make our homes more energy efficient?

Please share any other comments you may have.

# Community Projects & Energy Resilience



The goal of the Community Energy Plan is to meaningfully address energy efficiency and power generation opportunities for Aamjiwnaang. In addition to community buildings and housing we are also considering how our community as a whole can become more energy efficient and resilient.

We invite you to share your thoughts with us below.

Draft Energy Conservation Measures (ECMs)		Agree ✓	Disagree ✗
Community Solar Project – 100 kW Solar Farm	\$\$\$		
Community Micro-Grid	\$\$\$		
Wind Farm	\$\$\$		
Backup Generator for key buildings	\$\$\$		
Battery Storage System	\$\$\$		
Pumped Hydroelectric (Energy Production)	\$\$\$		
Compressed Air (Energy Storage)	\$\$		
Flywheels (Energy Storage)	\$\$		
Thermal Energy Storage	\$\$\$		

## Made-in-Aamjiwnaang Approach to Energy Conservation

In addition to the ECMs above, what else could we be doing to advance energy resiliency?
Should Aamjiwnaang set aside land for alternative energy projects and if yes, where?
Please share any other comments you may have.