

23. How have eligible "renewable"/ "clean"/ "sustainable" energy resources been defined in other jurisdictions? How has the possibility of new forms of energy been accommodated, if at all?

Act 295 includes a list of eligible renewable resources and allows for flexibility by incorporating the phrase "...including, but not limited to..." in the list.

The State of Ohio, in addition to its 12.5% RPS, also has a 12.5% advanced energy standard. The advanced energy standard appears to be so broad as to include coal retrofitted with emissions control upgrades. The advanced energy standard in Ohio also includes: next generation nuclear, coal with carbon capture, fuels cells, some solid waste conversion technologies, demand side management and efficiency improvements.

It could be possible to form a definition for clean, renewable, or sustainable energy such that new technologies could qualify automatically, but no known jurisdiction has done so. A definition could specify a certain amount of a particular emission per thermal or electrical unit. However, this definition may exclude some technologies unwillingly. For example, a wood burning facility would likely exceed the amount of carbon emitted per energy unit, but wood fuel is considered carbon neutral.