



**Residential, Commercial, and Industrial (RCI)
Technical Working Group**

Option No.	GHG Reduction Policy Option Name	GHG Reductions (MMtCO ₂ e)			Net Present Value (Million \$)	Cost-Effectiveness (\$/tCO ₂ e)	Level of Support
		2015	2025	Total (2008–2025)			
RCI-9	Promote Technology-Specific Applications to Reduce GHG Emissions	<i>Not quantified</i>					Approved

RCI-9. Promote Technology-Specific Applications to Reduce GHG Emissions

Policy Description

Promote through incentives, technology-specific applications that reduce GHG emissions. Identify the options through research and organize in categories such as space heating, lighting, water heating, and plug loads. Include a process to determine and clarify which applications work best in reducing GHG emissions. Clearly communicate the fact that reducing energy use does not always proportionally reduce emissions. Consider developing disincentives to technologies that do not reduce emissions.

Emphasize producing on-site renewable energy as a technology specific application. Clarify what is considered as renewable (i.e. solar hot water heat, photovoltaics and wind generation, as determined by current state law). Require 2% of energy used by state funded buildings to be on site renewable. Provide incentives to owners of other public and private buildings who produce at least 2% of their required building energy on-site.

Policy Design

Goals: The goal is to have program in place by 2010.

Timing: Program begins in voluntary form when law passes in June, 2008 and is in place with requirements and incentives on Jan. 1, 2010.

Parties Involved: Mandatory program is for state funded building owners. Incentives and disincentives are for all other public and private building owners (Residential, Commercial and Industrial). Research organizations should support this effort.

Other: Supplement with research of technology specific applications for GHG reductions.

Implementation Mechanisms

The program should be implemented by informing all building owners about the program, determining/funding possible private incentives and coordinating with education and training programs handled in other Programs.

Related Policies/Programs in Place

Need to inventory all current incentives in the state (including an evaluation of the current cap on requiring utility companies to buy back renewable power at the cost of purchase).

Type(s) of GHG Reductions

Reductions from avoided fossil-fuel electricity generation and energy generation.

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources: NA

Quantification Methods: This option is not quantified

Key Assumptions: NA

Key Uncertainties

Timing of program; scope of coverage

Additional Benefits and Costs

Promote local innovation

Feasibility Issues

Interaction with appliance standards and utility programs.

Status of Group Approval

Approved

Level of Group Support

Approved

Barriers to Consensus

None