

**LCB File No. R207-09**

**PROPOSED REGULATION OF THE  
STATE PUBLIC WORKS BOARD**

SB 395 Energy Standards and Performance Guidelines  
NAC 341

SB 395, section 10 requires that the SPWB promulgate regulations that establish standards and performance guidelines concerning the efficient use of water and energy. The proposed language for Nevada Administrative Code Section 341 is intended to address those requirements:

*A. Green Building Design Requirements for New Construction*

*1. The Manager shall implement policies and procedures to ensure that the design documents for all new buildings with a gross floor area greater than 20,000 square feet provide for compliance with the following green building design requirements:*

*a. Energy usage - Energy usage shall meet or exceed the requirements of ASHRAE/IESNA Standard 90.1-2007.*

*b. Water usage - Water usage (by plumbing fixtures and landscape irrigation) shall be a minimum of 10% less than that required by the Energy Policy Act of 1992.*

*c. Waste Management Plan – SPWB Project specifications shall include requirements for the contractor to develop a Waste Management Plan that results in end-of project rates for recycling of 50% by weight of total waste generated from demolition and construction waste by the project. A Waste Management Plan must include provisions for storage, collection, and disposal of recyclable waste. The contractor shall submit a Waste Reduction Report with each progress payment application to SPWB for review and approval.*

*d. Renewable energy study -The feasibility of incorporating a source of renewable energy into each project shall be evaluated. Renewable energy includes biomass, solar energy, geothermal, or wind, and does not include coal, natural gas, oil, propane, or nuclear energy.*

*2. Each project design submitted must include a summary report containing the following:*

*a. Specific green building design measures that have been implemented into the project;*

*b. An analysis of all associated energy and water savings;*

*c. Documentation substantiating the green building design measures incorporated into the project; and*

*d. A life cycle cost analysis report of the pay back period for the various strategies implemented in compliance with this regulation;*

3. *SPWB shall evaluate and determine implementation strategies based upon the following criteria:*
  - a. *Initial cost shall be evaluated on the basis of the project budget approved in the Capital Improvement Program.*
  - b. *The simple pay back period for incorporated green building design measures proposed in compliance with this regulation must not exceed ten years.*
4. *To ensure compliance with this regulation at design phase all project designs and accompanying reports will be subject to a third party peer review evaluation. All independent reviews must report their findings regarding compliance with this regulation directly to the Manager.*
5. *The Manager shall ensure that Using Agencies completing Capital Improvement Projects are advised that, where feasible, all new appliances, equipment, and lighting purchased for a state-funded building are required to have the Energy Star label as issued by the United States Department of Energy.*

***B. Green Building Design Requirements for Building Remodels, Retrofits, and Additions***

1. *The Manager shall implement policies and procedures to ensure that the design documents for all building remodel projects provide for compliance with the following green building design requirements:*
  - a. *Energy usage - Energy usage in the remodeled portion of the building shall meet or exceed the requirements of ASHRAE/IESNA Standard 90.1-2007. All new equipment, lighting, and appliances shall have the Energy Star Label as issued by the United States Department of Energy, where feasible.*
  - b. *Water usage - Water usage (by any new plumbing fixtures and landscape irrigation) shall be a minimum of 10% less than that required by the Energy Policy Act of 1992.*
  - c. *Waste Management Plan – SPWB Project specifications shall include requirements for the contractor to develop a Waste Management Plan that results in end-of project rates for recycling of 50% by weight of total waste generated from demolition and construction waste by the project. A Waste Management Plan must include provisions for storage, collection, and disposal of recyclable waste. The contractor shall submit a Waste Reduction Report with each progress payment application to SPWB for review and approval.*
  - d. *Renewable Energy study - The feasibility of incorporating a source of renewable energy into each project shall be evaluated. Renewable energy includes biomass, solar energy, geothermal, or wind, and does not include coal, natural gas, oil, propane, or nuclear energy.*
2. *Each project design submitted must include a summary report containing the following:*

- a. Specific green building design measures that have been implemented into the project;*
  - b. An analysis of all associated energy and water savings;*
  - c. Documentation substantiating the green building design measures incorporated into the project; and*
  - d. A life cycle cost analysis report of the pay back period for the various strategies implemented in compliance with this regulation;*
- 3. SPWB shall evaluate and determine implementation strategies based upon the following criteria:*
  - a. Initial cost shall be evaluated on the basis of the project budget approved in the Capital Improvement Program.*
  - b. The simple pay back period for incorporated green building design measures proposed in compliance with this regulation must not exceed ten years.*
- 4. To ensure compliance with this regulation at design phase all project designs and accompanying reports will be subject to a third party peer review evaluation. All independent reviews must report their findings regarding compliance with this regulation directly to the Manager. Before final payment is made for 100% construction documents; compliance with this regulation must be confirmed by the Manager.*