

2014 Governor's House Improvements

Envelope:

Improved air sealing techniques resulting in a minimum of 50% decrease in air leakage as tested.

Further reduction in thermal bridging by using advance framing techniques

Switching to a blow-in-batt insulation to eliminate voids and uninsulated cavities

Increase the assembly R-Value of the exterior walls from R-24 to R-29 by adding an additional 1" of high density foam sheathing. This also further reduces thermal bridging and degradation of cavity R-Value by warming the interior of the wall

Increasing the Attic R-value from R-49 to R-60

Windows:

Changing from sliding windows to casement windows to decrease air infiltration.

Improving window U-Value to .29

Mechanical:

Improving gas furnace to 96.1% efficiency

Improving electric water heater to .93 Efficiency Factor.

Addition of a Heat Recovery Ventilator to improve indoor air quality. Heat Recovery Ventilators pull fresh exterior air in balanced fashion to replace stale indoor air. As the intake air is brought into the unit as much as 65% of the heat is recovered from stale exhaust air.

At least 80% of interior and exterior light fixtures will have compact fluorescent bulbs installed.

3rd Party Energy Star certification

Plant and facilities will be monitored by a 3rd party for quality, energy efficient product usage, installation methods and performance

Homes will be eligible for Energy Star for New Home certification, should the homeowner choose. Certification may require field testing once the home is set on a foundation and complete. Only homes with gas furnaces will be eligible.

Energy Star certified homes will be eligible for EEM (Energy Efficient Mortgage) which will help a homeowner leverage energy savings into purchasing power.

Homeowners should see at least 15-25% decrease in energy usage from previous Governor's Houses

	2-Bedroom	3-Bedroom
New Sales Price	\$39,800.00	\$45,500.00