

Muckerheide residential Housing Condo Project      Going Green

This project is going to be built under the Green Building Process. The Modular building companies I am getting quotes from have programs for construction under LEEDS, ENERGY STAR, and R-2000 criteria and offer a superior building regarding energy efficiency of the finished product as well as the building process, materials, water using fixtures and appliances.

I will be installing a 1500 gal. tank to capture rain run-off from the roofs which will supply the out door sill-cocks for site irrigation of the ground cover belt and plantings with overflow directed to the underground pits.

I am working on grants, low interest loans, state and federal tax incentives etc. that are available for energy efficient multi-family housing.

I will be participating in the Commonwealth Solar program and have two solar systems in mind for the project. The first one is to install solar water heating panels to be used to pre-heat the water going to each unit's on-demand potable water heater. The second system will be a photovoltaic array to supply the electric demand of the common areas such as lighting for parking, stairwells, patio, roof deck, landscape etc. as well as the pump for the rain collection system which will provide water for out-door water uses. Any excess power generation will feed the power grid and any financial return will subsidize condo fees. Any remaining roof area will be made available to any condo owner who wishes to install additional photovoltaic panels for their own use on a first come first serve basis.

I even have a bicycle rack, I think it's worth a point in LEEDS.

Thank You

Donald N. Muckerheide