

LEED-Green Nursing Home Facilities

Present Practice and Future Outlook

Abdelkader Tayebi, PhD
 Ciena Healthcare Management Inc, Southfield, MI
atayebi@cienahmi.com, 248-417-7947

Survey

- Restricted to USGBC-LEED-certified facilities
- Restricted to skilled nursing homes.
- Does not include retirement and assisted living
- Only a handful identified

Challenges

- Not realizing life-cycle savings of LEED construction
- Perceived higher cost
- LEED-certification cost
- Not realizing Marketing power of a Green Facility
- No established role models to follow
- No incentive (MA exception)

Name	Location	Cert.	Level	SQFT	Owner	Type	Features
Washington State Veterans' Home	Retsil, WA	2006	Gold	160,000	WA VA	Gov	neighborhoods" of rooms, Y-shaped semi-private bedrooms exclusive natural ventilation for cooling, operable windows, prefilters and final filters for optimal indoor air quality and occupant comfort,
Clyde E. Lassen State Veterans' Nursing Home	St Augustine, FL	2010	Silver	95,500	FL VA	Gov	Two 60-patient "neighborhoods", Each Neighborhood is made of three "houses" hosting 20 patients each.
Porter Hills	Grand Rapids, MI	2010	Silver	16,820	PorterHill Village	Non-Profit	Efficient irrigation system , native plantings, Geothermal Heat Pump System with a Ground Loop Heat Exchanger (GLHE), the most energy-efficient system available, local materials (500 miles max), 75% recycling of construction debris, green cleaning products
Regency at Bluff	Ann Arbor, MI	2011	Silver	60,000	Ciena Healthcare Management	Private	Recycling an existing Building, Redeveloping a Brownfield Site, Land donation to park, Sustainable, native landscape, Low-Flow irrigation, Covered bike racks with changing and shower facilities, Parking for Carpools and low-emission alternate fuel vehicles, Variable Refrigerant Volume climate control units for Resident Rooms, Green finishes, Recycling program during construction

