

3.14 Utilities – Solid Waste

3.14.1 Existing Solid Waste Services

Removal of solid waste in the Village of New Paltz is performed by private carters. The existing solid waste service facility which services the area is the Ulster County Resource Recovery Agency (UCRRA) 999 Flatbush Road Kingston, NY 12401 (856)336-0600. The facility is a transfer station only, nothing is burned or disposed of at this facility but is shipped to landfills out of state.

Private and publicly generated waste within the designated service area is not mandated to use the UCRRA; however UCRRA does handle the recyclables for New Paltz.

There are no expansion plans for the UCRRA facility, as it is only five years old. UCRRA has a second facility in Kingston that can be used as necessary. As constructed, the Ulster County Resource Recovery Agency is capable of handling a maximum of 26 tons per week (tpw) of solid waste from New Paltz and, according to the Director of Operations, presently is handling well below that amount. Therefore the facility could accommodate additional solid waste without an increase in size or a change in its permitted operating capacity.⁹⁵

The USEPA estimates that the national per capita garbage generation rate was 4.4 pounds per person per day. The recycling rate was 1.3 pounds per person per day. Therefore the discard rate, after recycling, was 3.1 pounds per person per day,⁹⁶

Data from the American Housing Survey, 1987, estimates, on average, that 2.05 persons live in a two-bedroom townhouse, and 1.8 persons live in a two-bedroom age-restricted apartment. Therefore, the proposed development would include 564 residents.

Table 42 - Solid Waste Generation Estimates
 Stoneleigh Woods @New Paltz

Unit Type	No. of Units	Estimated House-hold Size	Total No. of Residents	Estimate, per Capita Solid Waste Generation (pounds per day)	Estimate, per Capita Recyclables Generation (pounds per day)	Estimate, per Capita Solid Waste Discard (pounds per day)
2-Bedroom Townhouse	96	2.05	196.8	4.4	1.3	3.1
2-Bedroom Age-Restricted	204	1.8	367.2	4.4	1.3	3.1
Total	300		564	2481.6	733.2	1748.4

Therefore, weekly solid waste rates are expected to include 2.6 tons or recyclables and

⁹⁵ Personal communication between Mr. Mike Beemis, Director of Operations at UCRRA and Ms. Barbara Gerlach, LMS Engineers, LLP, August 16, 2004. Note that specific tonnage numbers were not available from Mr. Beemis.

⁹⁶ *Municipal Solid Waste in the United States: 2001 Facts and Figures*, EPA October, 2003.

6.1 tons of solid waste for transfer to the UCRRA.

3.14.1a SDEIS – Existing Solid Waste Services

There has been no change to the existing solid waste services or in the UCRRA facility since the DEIS was published.

3.14.2 Potential Impacts to Solid Waste Services

During construction, it is anticipated that the contractors would remove reusable surplus and the remainder would be removed by a private carter and disposed of at the Ulster County Resource Recovery Agency. However, it is anticipated that the solid waste generated would not be significant and would have no impact on the Resource Recovery Facility.

The Stoneleigh Woods @ New Paltz site plan has planned for the receptacle space required for the both recyclable and discarded solid waste on site.

3.14.2a SDEIS - Potential Impacts to Solid Waste Services

In 2006, the USEPA estimated that the national per capita garbage generation rate was 4.6 pounds per person per day. The recycling rate was 1.5 pounds per person per day. Therefore the discard rate, after recycling, was 3.1 pounds per person per day.⁹⁷ Utilizing the same USEPA 2006 per capita generation rates, the estimated solid waste to be generated by the Revised Project is set forth in Table 42a below.

Table 42a – Revised Project - Solid Waste Generation Estimates - Stoneleigh Woods @New Paltz

Unit Type	No. of Units	Estimated Household Size	Total No. of Residents	Estimate, per Capita Solid Waste Generation (pounds per day)	Estimate, per Capita Recyclables Generation (pounds per day)	Estimate, per Capita Solid Waste Discard (pounds per day)
3-Bedroom One-Family	60	2.95	177.00	4.6	1.5	3.1
3-Bedroom Two-Family	56	3.17	177.52	4.6	1.5	3.1
2-Bedroom Age-Restricted	8	2.05	16.4	4.6	1.5	3.1
1-Bedroom Age-Restricted	16	1.82	29.12	4.6	1.5	3.1
Total	140	-	400.04	1,841	600	1,240

** This estimate is conservative because the multiplier used for this calculation is the standard used for buildings of five or more units, and does not take into account the fact that these units will be age-restricted. It is highly unlikely that senior units would be occupied by more than two persons.*

Based on the current proposed 140 age- and non-age-restricted units, the weekly solid waste rates are expected to include 2.1 tons (a reduction of 0.5 ton/week from the DEIS) of recyclables and approximately 4.3 tons (a 1.8 ton/week reduction) of solid waste for transfer to the UCRRA.

⁹⁷ *Municipal Solid Waste in the United States: 2006 Facts and Figures, EPA November, 2007.*

The Revised Project has assumed the 116 units will have individual pick up for both recyclable and discarded solid waste on site. Receptacles will be provided at the senior facility for combined pick up for both recyclable and discarded solid waste.

3.14.3 Solid Waste Services Mitigation Measures

Impacts associated with an increase in the resident population include general increases in the generation of solid waste. This is an inevitable result of urbanization. However, the residents would be required to adhere to the Ulster County recycling program which would help to reduce the amount of total waste to be discarded. As no impacts are anticipated as a result of solid waste generation, no mitigation is required.

3.14.3a SDEIS - Solid Waste Services Mitigation Measures

The Revised Project anticipates a reduction in the amount of solid waste generated as compared to the original project analyzed in the DEIS. Available capacity remains at UCCRA to accommodate the Revised Project. All refuse and recyclable collection for the single family units as well as the age-restricted building will be done in accordance with the Village Zoning Law Sections 212-22 Trash Receptacle and Chapter 171 Collection of Solid Waste. Accordingly, no further mitigation has been proposed.

Alternatives

- ***An Alternative if the 116 lots are all single family detached homes:***

An alternative was analyzed as if the project was to be constructed with the 24 unit age-restricted apartment building and having all 116 lots to be developed as single family detached housing. This alternative will produce a reduced number of overall residents for the project. See Section 5.11a for a full explanation of impacts to Solid Waste Services.