

The proposed Legacy Ridge Water System will connect to the Town of Woodbury's Consolidated Water District (WCWD) in four locations. Each connection point provides a benefit to the WCWD as noted in the following descriptions:

Connection Point #1 – Proposed water system pressurized by Legacy Ridge Tank #2 (HGL 725.00) will connect to the Summit/Overlook system along Hamilton Avenue. The 210,000 gallon Legacy Ridge Tank #2 will provide the Summit/Overlook system with additional fire flow capacity and increased reliability under emergency conditions (i.e. water main break, fire event). This connection will also create a looped system which will help balance system pressures in the Summit/Overlook system.

Connection Point #2 – Proposed water system pressurized by the 290,000 gallon Legacy Ridge Tank #1 (HGL 975.00) will connect to the Skyline Drive system along Highland Drive. Via this connection, the Legacy Ridge Tank #1 will provide the Skyline water system north of the Riegel Road/Skyline Drive intersection with increased pressure and fire flow capability. The water booster station that currently serves this portion of Skyline's system will no longer be required as a result of this connection.

Connection Points #3 & 4 – A water main extension is proposed from the Legacy Ridge Water Booster Station to the Skyline Tank (HGL 861.25) located on Summit Drive. This connection will deliver potable water from Legacy Ridge system to the Skyline Drive Tank. An additional water main extension is proposed from the Skyline Tank to the existing water main on Skyline Drive just south of the Riegel Road intersection. These connections allow the Skyline Drive System to operate off the more reliable gravity tank feed rather than pumped feed from the Birchwood Avenue P.S. The Birchwood Ave P.S. would remain on-line as a secondary means of water supply. A new Birchwood P.S. by-pass line will permit the flow of water from the Skyline System to the Summit-Overlook System during emergency conditions.

3.14 Utilities – Solid Waste

3.14.1 Existing Solid Waste Services

Removal of solid waste and recyclables in the Town of Woodbury is currently performed by a private carter.⁸⁹ A refuse tax is collected by the Town of Woodbury who contracts with the carter. As a private, gated community, the homes in Legacy Ridge would not have their refuse service provided by the Town of Woodbury and therefore would not be assessed a tax revenue for solid waste services.⁹⁰ The existing solid waste service facility which serves the Town of Woodbury is County Waste. Mr. Gil Houk, the corporate development representative of County Waste in Clifton Park, NY confirmed that they would be able to provide the same solid waste and recyclable services for the Legacy Ridge Homeowner's Association.⁹¹ The service currently provided consists of once a week garbage pickup and recyclable pickup every other week, depending upon the material. Several other companies are available to provide the same service for the Homeowners Association.⁹² The carting

⁸⁹ Personal communication between Sheila Beetle, Town of Woodbury Refuse Department and Ms. Barbara Gerlach, LMS Engineers, LLP, March 2, 2005.

⁹⁰ Personal communication between Sheila Beetle, Town of Woodbury Refuse Department and Ms. Barbara Gerlach, LMS Engineers, LLP, March 2, 2005.

⁹¹ Personal communication between Gil Houk, County Waste and Ms. Barbara Gerlach, LMS Engineers, LLP, March 2, 2005.

⁹² Personal communication with Steve Reville of Royal Carting Service Co. and Ms. Barbara Gerlach, LMS Engineers, LLP,

companies comply with all New York State and County regulations for solid waste and recyclable transportation and disposal / recycling. Refuse is brought to the Orange County Transfer Station. Recyclables may or may not be brought to the Orange County Transfer Station, depending upon quantity generated. There are no 'Flow Control' regulations in Orange County at this time and private and publicly generated waste within the designated service area is not mandated to use the Orange County facilities; however future developments (i.e. Masada trash processing facility proposed for Orange County) may change that.

The Legacy Ridge Homeowner's Association would provide the contracted carter with access to the gated community. The roads and cul-de-sacs will be built in such a manner so as to provide sufficient access for the contracted carter's vehicles and containers (See Figures 111 and 112, Orange County Recycling). The Homeowner's Association Board of Directors will enforce the traffic policies (i.e. parking and snow removal) to facilitate service for solid waste recycling and disposal.



**DEPARTMENT OF
ENVIRONMENTAL FACILITIES &
SERVICES**

2455-2459 ROUTE 17M GOSHEN, NY 10924
TEL: (845) 291-2640
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EDWARD A. DIANA COUNTY EXECUTIVE
WILLIAM C. GUNTHER DEPUTY COMMISSIONER

RECYCLING INFORMATION: 1-800-328-4808

SEPARATION GUIDE

MIXED CONTAINERS

Container #1



GLASS BOTTLES
(Green, Clear, Brown)



ALUMINUM CANS



TIN & BI-METALLIC CONTAINERS
(Including Aerosol Cans)

PLASTIC CONTAINERS



PET Plastic #1 PP Plastic #5
HDPE Plastic #2 PS Plastic #6
PVC Plastic #3 Other Plastic #7
LDPE Plastic #4



MILK CARTONS



JUICE BOXES



ALUMINUM FOIL
(Pie Plates)



**WHITE REFRIGERATED/FROZEN
FOOD CONTAINERS**
(eg: frozen vegetables)

MIXED PAPER-Container #2



NEWSPAPER



WHITE ENVELOPES



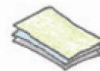
WHITE & COLORED LEDGER
(Office Paper)



KRAFT PAPER
(Brown Grocery Bags)



NOTEBOOK PAPER



CONSTRUCTION PAPER



**SOFT COVERED WORKBOOKS,
TELEPHONE & PAPERBACK
BOOKS**



MAGAZINES & CATALOGS



JUNK MAIL
(Incl. Envelopes & Coupons)



**COMPUTER PRINTOUT &
FAX/PHOTO COPY PAPER**



**CHIPBOARD/BOXBOARD
PAPER EGG CARTONS**



**CORRUGATED CONTAINERS
INCLUDES PIZZA BOXES**

Shredded Paper in Paper Bags only
No Plastic Bags



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**Legacy Ridge
at Highland Mills**
Trout Brook Road
Town of Woodbury
Orange County, New York

Source: Orange County Recycling Program

Figure 111

Orange County Recycling

July 12, 2005

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 Orange County Transfer Station. However, it is anticipated that the solid waste generated would not be significant and would have no impact on the Orange County Transfer Station.

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.⁹³

The Regional and National Demographic Multipliers for Total Household Size in Northeast (New Practitioner’s Guide to Fiscal Impact Analysis (1985 Rutgers) was used to estimate the number of residents generated by the Legacy Ridge project.

Table 45 – Legacy Ridge, Regional and National Demographic Multipliers for Total Household Size: Estimate Based on The New Practitioner’s Guide to Fiscal Impact Analysis			
Single Family Houses	Number of Units	Multiplier	Calculated residents
4 Bedroom	287	4.061	1,166

Table 46 - Solid Waste Generation Estimates		
Est. per Capita Solid Waste Generation (4.4 pounds per day per person)	Est. per Capita Recyclables Generation (1.3 pounds per day)	Est. per Capita Solid Waste Discard (pounds per day)
5,130	1,516	3,614.6

Therefore, weekly solid waste rates are expected to include 5.3 tons of recyclable materials and 12.7 tons of solid waste for disposal.

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 development. However the residents would be required to adhere to the Orange County recycling program which would help to reduce the amount of total waste to be discarded.⁹⁴ The Legacy Ridge Homeowner’s Association would be responsible for contracting with the carter and therefore would not increase service requirements to the Town of Woodbury.

Mr. Hammond, Deputy Commissioner of Department of Public Works Division of Environmental Facilities and Services confirmed that the Orange County Transfer Stations

⁹³ *Municipal Solid Waste in the United States: 2001 Facts and Figures*, EPA October, 2003.

⁹⁴ See Section 9.0 Orange County Recycling Program.

and out-of-state landfills used will be able to accommodate the additional solid waste expected to be generated by the Legacy Ridge project without an increase in size or a change in its permitted operating capacity.⁹⁵

As no impacts are anticipated as a result of solid waste generation, no mitigation is required.

Alternative Plans

Below, the solid waste generated under alternate development scenarios has been estimated. The alternate plans include development at the existing R-3A zoning, and development at the proposed R-2A zoning, without use of the conservation cluster. It is assumed that the number of units is identical under the R-3A and R-2A with or without conventional clustering.

R-3A Zoning

Table 47 – Alternative Plan R-3A Zoning Solid Waste Generation Estimates			
Number of Residents	Est. per Capita Solid Waste Generation (4.4 pounds per day per person)	Est. per Capita Recyclables Generation (1.3 pounds per day)	Est. per Capita Solid Waste Discard (pounds per day)
629	2,768	818	1,950

Therefore, weekly solid waste rates are expected to include 2.8 tons of recyclable materials and 6.8 tons of solid waste for disposal.

R-2A Zoning

Table 48 – R-2A Zoning Solid Waste Generation Estimates			
Number of Residents	Est. per Capita Solid Waste Generation (4.4 pounds per day per person)	Est. per Capita Recyclables Generation (1.3 pounds per day)	Est. per Capita Solid Waste Discard (pounds per day)
946	4,162	1,230	2,933

Therefore, weekly solid waste rates are expected to include 4.3 tons of recyclable materials and 10.3 tons of solid waste for disposal.

⁹⁵ Personal communication between Mr. Hammond, Orange County Deputy Commissioner of Department of Public Works Division of Environmental Facilities and Services and Ms. Barbara Gerlach, LMS Engineers, LLP, March 2, 2005.