



Rock,  
funk,  
jazz  
Page 14

The art of  
Barry Pariser

Page 14



SERVING NEWBURGH AND NEW WINDSOR

Mid Hudson Times, Wednesday, November 11, 2015

5

## Wetland project proposed at Chadwick Lake

By SHANTAL RILEY  
sriley@tcnewspapers.com



Chadwick Lake is the site of a proposed, all-natural storm-water treatment system.

built by Renewage in the Village of Wappingers Falls, Dutchess County in 2013. “It’s a man-made swamp,” Piaquadio said. “That swamp has filters to catch stuff that would normally run into the water supply – salt, silt, possibly ground oil, etc.”

The project would cost an estimated \$725,000, with about 90 percent coming from a state Green Innovation Grant Program grant, the supervisor said. The cost to the town would amount to roughly 10 percent.

“There’s no doubt it performed well in Wappingers,” said Piaquadio, who recently toured the wetland.

If approved, the wetland system would be located at a low point on town property next to Chadwick Lake near the Town of Plattekill border, said Piaquadio.

It is too soon to say if and when the town might provide the go-ahead for the project, he said. “The company would have to come up with a more formal proposal,” Piaquadio said. “Then the recreation and DPW commissioners would have to make a recommendation to the town board.”

The Town of Newburgh is mulling over a proposal for a storm-water treatment system to reduce the turbidity of Chadwick Lake and protect the reservoir from flooding and damage caused by storm-water runoff.

The plan involves the creation of a small wetland with gravel filters expected to remove 85 to 90 percent of sediment.

The wetland is anticipated to improve water quality through ecologically-friendly, sustainable technology, according to Steven Gruber, president of Renewage, a company offering all-natural, storm-water management solutions.

Gruber pitched the green project to the town board on Nov. 2. “One of the most important things that any municipality has to do is provide clean drinking water,” said Gruber, and it is often expensive. “So, protecting the source of the drinking water becomes very critical, especially in a relatively small community.”

The Town of Newburgh has two main sources of water, said town Supervisor Gil Piaquadio. “One is the New York City

aqueduct,” he said. “Our secondary water supply is Chadwick Lake. We want to protect it.”

The lake was a picture of serene beauty last Friday, as mothers pushed strollers around the lake’s edge. The clear, glassy lake surface reflected a kaleidoscope of gold and wine-colored fall foliage.

The lake is such a precious resource that, over the past five years, the town has purchased several lakeside properties “to preserve the quality of the water,” explained Piaquadio.

Hurricane Irene caused serious damage to the lake in 2011, said Piaquadio. “It washed everything from the shore into the water – trees, mud, silt, everything

laying alongside the lake ended up in there,” he said. “It never fully recovered.”

One of the results of the damage was increased turbidity. Adjustments have been made at the Chadwick Lake Filtration Plant to manage the problem, Piaquadio said. “We adjusted the size of the intake pipe to the filter plant,” he said. “We raised it higher, hoping we wouldn’t get as much (sediment) down at the bottom.”

According to the Renewage website, a chief goal of its “bio-regenerative wetland” is to “provide flood resiliency and treat storm-water runoff before re-loading into sensitive water bodies.”

The proposal is based on a wetland