

Forsgate Country Club
Monroe Township, NJ



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The five Navien NP-240 NG units perform the same job as the previous boiler in less than one tenth the space with remarkable energy savings to boot.



Country club replaces water hazards

Honor Roll winner for "Best Private Course" in New Jersey, Forsgate Country Club saves up to \$9,000 a month with efficient Navien units.

Situation

For years the Forsgate Country Club, Monroe Township, New Jersey, relied on a huge 2.6 million BTU fused steam boiler to power an indirect fired hot water heater with a 750-gallon tank. That steam boiler ran 24/7, resulting in unsustainable energy bills. The Country Club has five kitchens and locker room showers for men and women, so they have wide variance in hot water requirements, rather than a continuous high demand.

Solution

After consulting with Navien distributor APR Supply Company, contractor Ken Alexander of Alexander Plumbing Heating and Air Conditioning removed the old system and installed five Navien NP-240 NG units and two new 80-gallon tanks for extra capacity.

Benefits

Energy and maintenance savings: Ken Alexander from Alexander Plumbing Heating and Air Conditioning commented, "Between maintenance on the old system and gas bills, they are saving approximately \$9,000.00 a month, depending on the month. They've made their money back within a year."

Flexibility in meeting hot water demand: Ken described Forsgate's new system, "We installed the Naviens which heat 280 gallon tanks for the kitchen but if everybody uses the locker rooms at the same time, they have 160 gallons (two 80-gallon tanks) of hot water on top of the Naviens for a huge supply of instant hot water."

Space savings: The customer and the contractor appreciate the space saving advantages. "The old boiler and tanks were about the size of a small school bus," Ken explained. "The five Navien units take up roughly 8-feet of wall space, doing the same job and far more efficiently."

Durability: Ken explained, "Navien uses stainless steel heat exchangers which allow years of maintenance free operation. They'll hold up a whole lot better than copper."

Easier installation/more options in venting: Unlike some other brands that require a pipe-in-pipe system, Navien condensing units allow contractors to use PVC pipe, saving labor and material costs. Ken also likes the options available with PVC venting, "One of the nicer things about Naviens is they can be common vented. We have three units common vented on two pipes. Then we have the other two units common vented on another set of pipes. We could have common vented them all on six-inch pipes but with the space requirements we just couldn't get a six-inch pipe to make the turns."

In addition to the featured country club case study to the left, Navien products are efficiently saving energy and supplying endless hot water to many other leisure facilities. A selected group, currently profiting from Navien's technology, is listed below:



Pawtucket Country Club, Pawtucket, RI

- AMF Bowling Alley, Spring, TX
- Body Works Fitness, Lubbock, TX
- Club Intrawest, Palm Desert, CA
- Deepdale Golf Course, Manhasset, NY
- Edge Fitness, Trumbull, CT
- Forsgate Country Club, Monroe Township, NJ
- Honig Vineyard and Winery, Ruthford, CA
- Knockouts, Multiple Locations, TX
- Macatawa State Park, Holland, MI
- Municipal City Pool and Gym, Las Vegas, NV
- Pawtucket Country Club, Pawtucket, RI
- Plymouth Ice Arena, Plymouth, MI
- Proud Lake State Park, Wixom, MI
- Renaissance Point YMCA, Fort Wayne, IN
- Southampton Golf Club, Southampton, NY
- Twin Hills Country Club, Longmeadow, MA
- YMCA, Multiple Locations, USA

To learn and see more, visit www.Navien.com/Commercial

LEISURE

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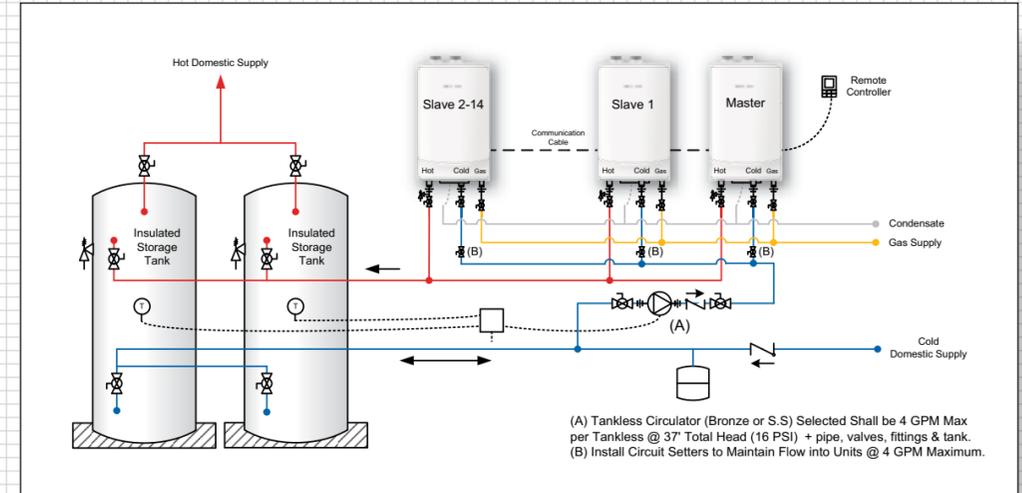
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The old Forsgate boiler is still waiting for its trip to the scrapyard.



Forsgate Country Club, built in 1931, appreciates the long life expectancy of the NP-240's with its stainless steel heat exchangers.



NP Multiple Units with 2 Storage Tanks

This drawing is for demonstration purposes only. All CAD drawings and specifications may be found at http://www.navienamerica.com/Engineers_Architects/Page1/Specifications



The exclusive Forsgate Country Club boasts five kitchens, multiple dining areas as well as men's and women's locker rooms, all of which use lots of hot water.