



Multi-Family Housing Case Study: High-Efficiency Toilet Installation Winter 2022

**High-rise Apartment Complex
Silver Spring, MD**

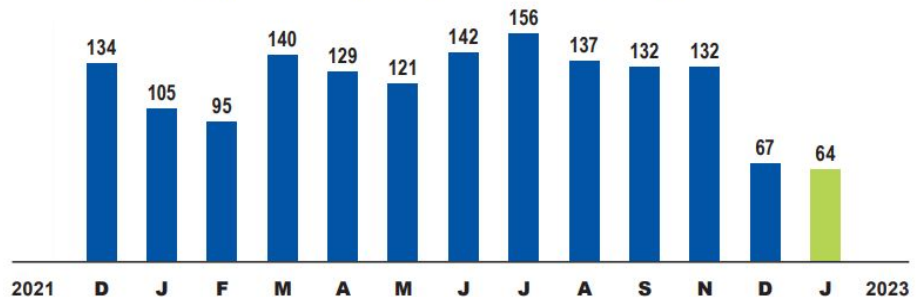
Project by the Numbers



Project Cost	\$90,712
Project Duration	17 Days
Payback Period	1.2 Years
Annual Savings (\$)	\$78,000
Annual Savings (gallons)	9,500,000

The Problem:
High usage due to old existing toilet fixtures flushing at 3.5 gpf.

The Solution:
Instal high-efficiency 0.8 gpf toilets and low-flow faucet flow controls and showerheads.



362,000

Total gallons used this period

64

Average gallons used per day this period per unit

55

Average gallons used per day by a typical person

362,000 Gallons ÷ 33 Days ÷ 170 Units = 64 Average Daily Gallons