

# National Perspective on the U.S. Rainwater Harvesting Industry

David Crawford, President



- Large-scale case studies
- Issues and obstacles in the industry
- Successful collaborations
- Moving forward



#### Manassas Park Elementary School



## Manassas Park Elementary School-Education component

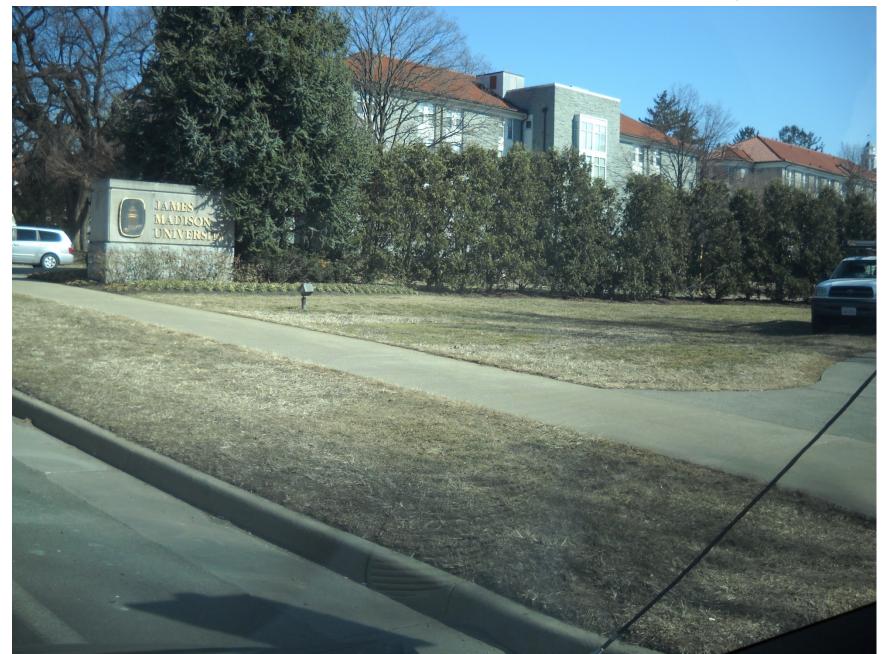




# Home Depot



## James Madison University









#### Charlottesville Area Transit





#### **Burton School**









Federal Way Public School



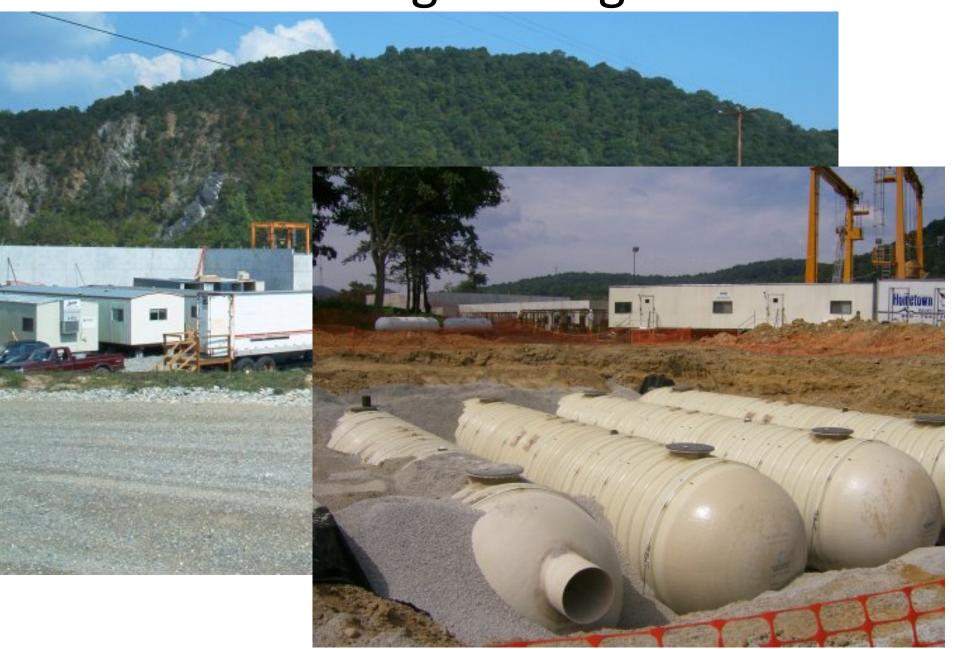


## Virginia Capital Project





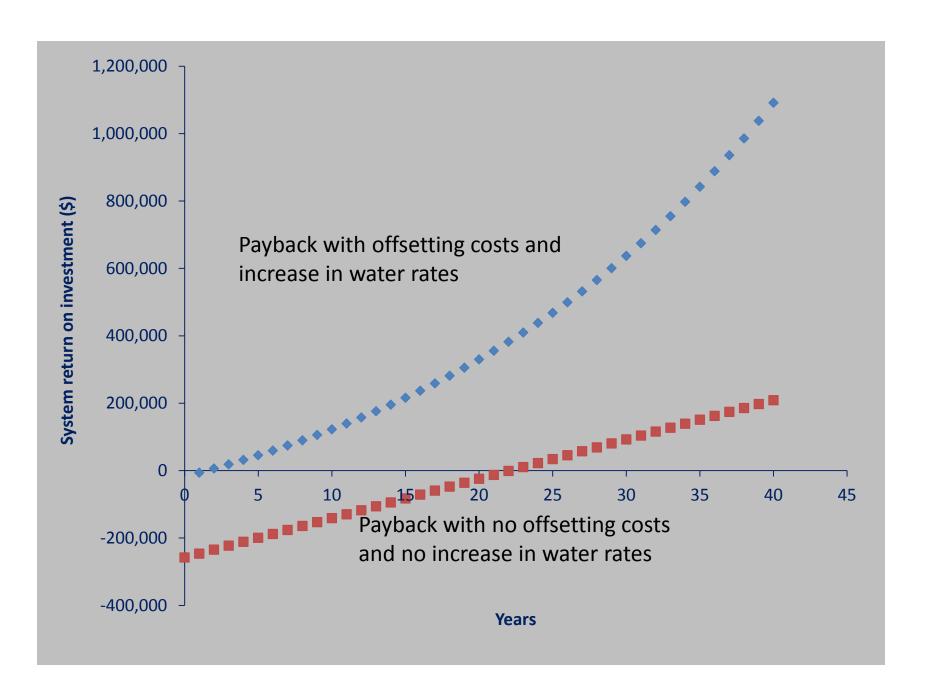
## Western Virginia Regional Jail



#### Payback analysis

- Total system cost = \$258,000
- 3.9 million gallons of water saved
- Current water rate \$3 per 1,000 gallons
- Annual savings from water = \$11,675
- Total payback time = 22 years

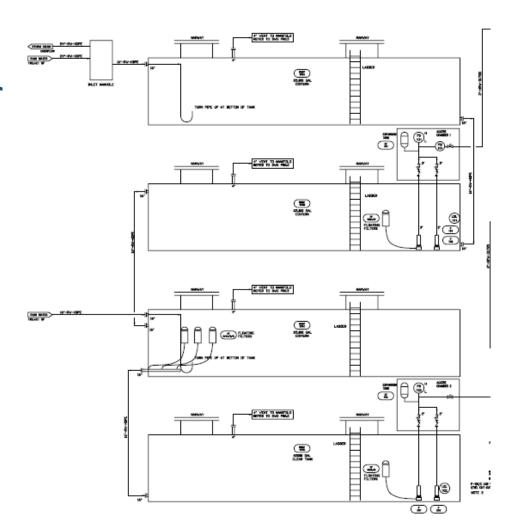
But does that really include everything?





#### A two-tiered approach

- Two "clean" tanks are used for indoor use – toilets and urinals
- The other two tanks are used for irrigation





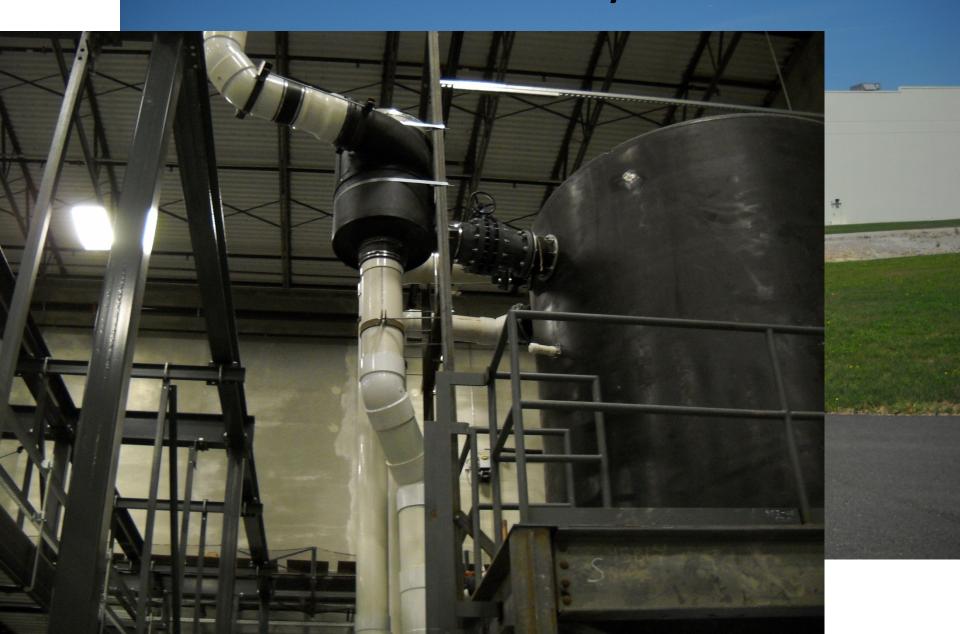


St. Francis Hospital



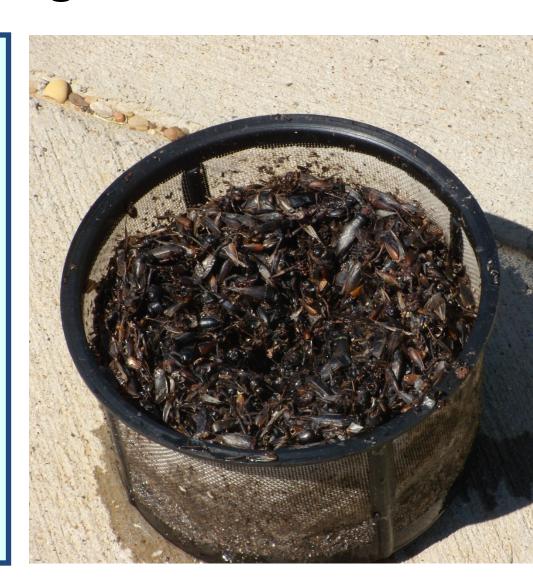


## **Avon Facility**



#### Overcoming Obstacles

- Communication
- Work phasing
- Consistent, scalable design
- Design based on potential supply and possible demand
- Cross connections





#### Questions?

The American Rainwater Catchment Systems Association currently is leading the way in field training for residential systems. ARCSA currently is revamping its training to include commercial systems and offering this to the public with our MOU and current relationship with ASPE. ARCSA needs your help in funding and continued support to bring Rainwater Harvesting to the public.



