

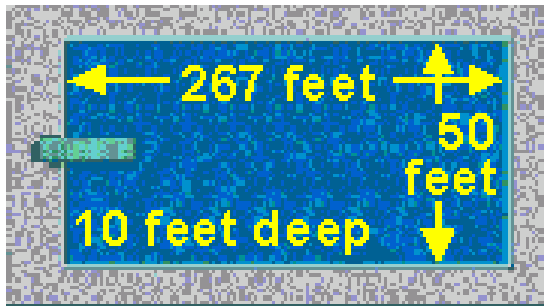


Water: Uses, Measurements & Reporting

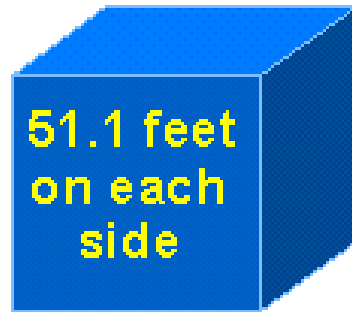


Perry's uses approximately 17 million gallons of water annually

1 million gallons is:



or





Zero water in our products



What needs a wash:

- ❖ 19 Raw Ingredient Tanks
- ❖ 15 Pasteurized Tanks/Silos
- ❖ 16 Flavor Vats
- ❖ 5 Manufacturing Work Centers
- ❖ Miles of stainless Steel piping

99% of water for cleaning

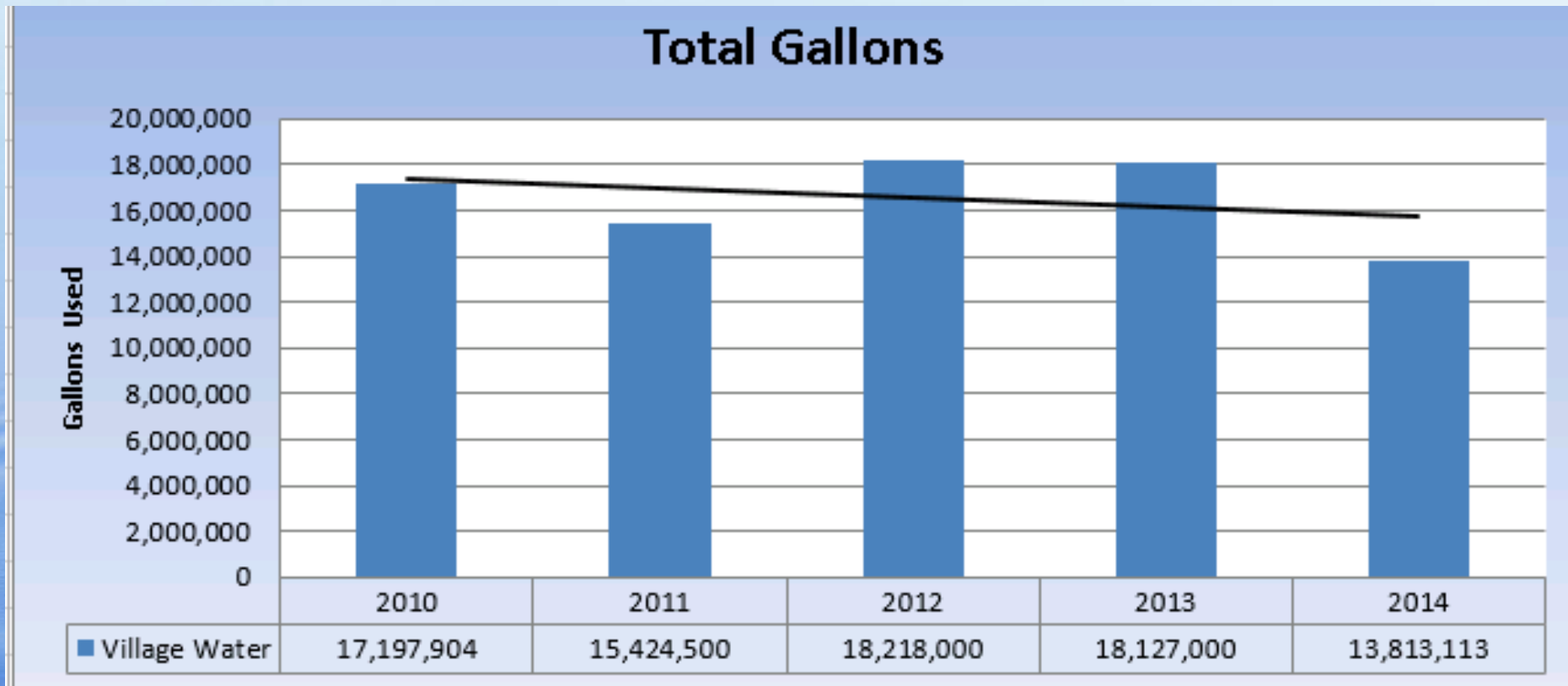


Manufacturing tracks the detailed use

Daily Average Gal/Day	900	2,017	5,050	9,690	2,420	2,638	5,757	6,043	50,716	43,595
Area Leader -	Tim G.	John W.	Jason M.	John W.	John W.	John W.	Scott W.	Jason M.		Eric V.
November '14	2" Main	Jacuzzi	CIP #1	CIP #2	CIP #3	104 Level	M-8	HTST	Main Water	Plnt. Effluent
1	100	900	NA	3,010	NA	3,560	90	NA	7,350	7,670
2	600	1,700	3,000	2,710	1,700	1,900	5,790	1,930	35,570	26,410
3	1,100	1,900	7,400	12,940	2,700	4,180	5,350	8,370	69,990	59,500
4	1,300	4,600	5,800	14,760	1,900	2,890	8,860	6,420	72,490	60,830
5	1,100	2,800	3,800	11,530	2,600	3,370	9,730	8,270	69,650	57,270
6	1,100	2,600	6,200	9,240	1,700	1,840	6,120	4,070	47,200	44,990
7	800	700	1,400	14,920	2,800	2,120	7,680	4,770	50,770	48,710
8	200	200	NA	2,130	NA	280	1,220	NA	5,350	6,520
9	600	600	2,500	3,470	2,900	2,100	4,580	5,010	41,450	34,310
10	1,200	4,300	8,300	14,450	2,800	3,200	6,670	8,010	71,340	61,580
11	1,400	1,400	6,300	13,680	3,800	2,990	7,040	6,090	67,010	58,420
12	1,300	2,500	5,800	13,440	1,300	3,230	5,950	7,490	70,420	56,930
13										
14										
15										



Sustainability Team Tracks the bigger picture

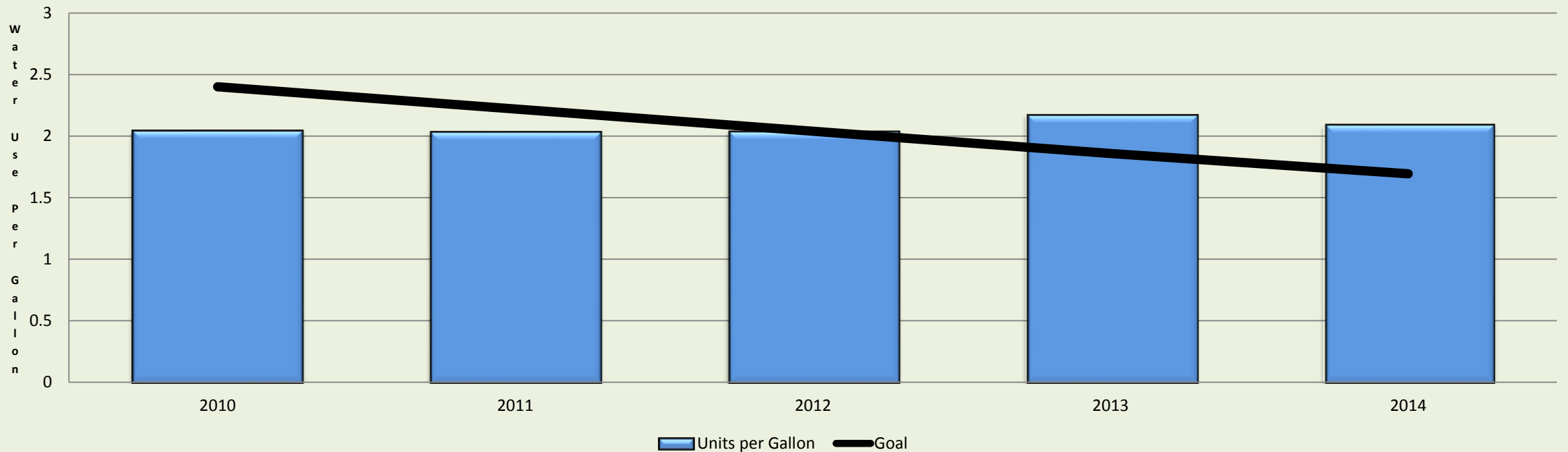


At YE we expect a 4% decreased our total water consumption since 2010



Equivalent measures are important

Water Usage per Gallon Produced





Challenges:

- Short runs, low volume
- Saturday production



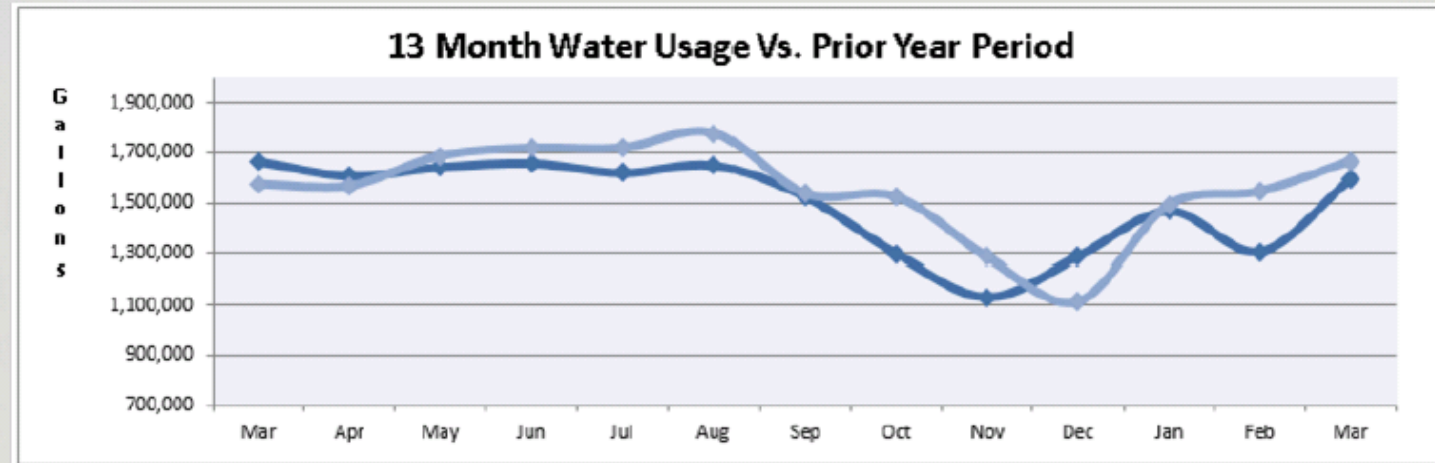
Improvements:

- Schedule production in flavor families
- Converted to low flow spray hose nozzles
- We perform “quick flushes” where allowed



We report
Natural
Resource
use in our
Company
Newsletter,
The Inside
Scoop

METER READER WATER



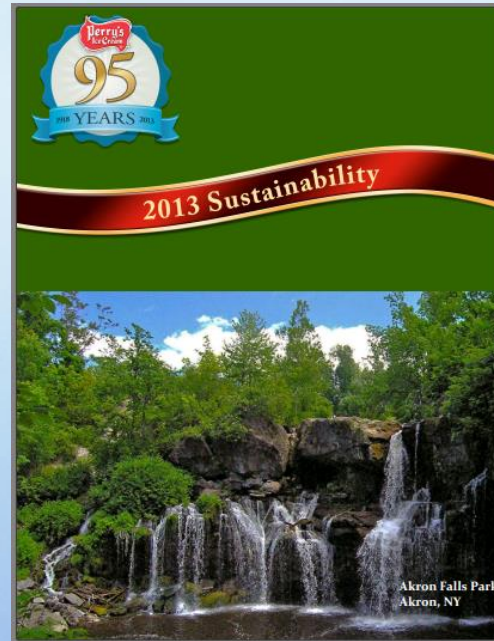
Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	12 Month Period Total
1,667,000	1,609,000	1,644,000	1,660,000	1,621,000	1,651,000	1,525,000	1,297,000	1,127,000	1,287,000	1,468,000	1,304,980	1,597,093	17,791,074
Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	12 Month Period Total
1,575,000	1,568,000	1,687,000	1,718,000	1,718,000	1,778,000	1,536,000	1,524,000	1,286,000	1,115,000	1,493,000	1,546,000	1,667,000	18,636,000
5.52%	2.55%	-2.62%	-3.49%	-5.98%	-7.69%	-0.72%	-17.50%	-14.11%	13.36%	-1.70%	-18.47%	-4.38%	-4.75%

◆ Latest 12 month water use **↓ -4.75%**

◆ Water Per Unit Produced **↓**
From 1.966 to 1.934 gallons/unit

Reducing the flow:

- ⇒ Adjusted Mix room schedule to 4 days a week when volume decreases
- ⇒ Reduced number of short runs eliminating “quick rinses” in-between
- ⇒ Optimized tank utilization reducing CIP frequency
- ⇒ Qualified staffing on 2nd shift



We include metrics on our Natural Resources in our annual Corporate Sustainability Report

KEY CHALLENGE
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Resource Management

Long term goal: To maximize the value of our resources through improved efficiencies, productivity and utilization of tech-

Metrics

Water Usage per Gallon Produced

Year	Water Usage (gallons) per Gallon Produced
2011	~2.00
2012	~2.00
2013	~2.00

Even with water savings in the mix room and tank washing, several factors attributed to a slight overall increase in water use from the previous year.

- Additional Saturday production
- Supplementary short runs to the production schedule which require frequent "quick flushes" during the shift
- Training new sanitation team members

With a more experienced sanitation crew and longer flavor runs, we are expecting to return to previous levels.

The minimal increase in electric usage can also be attributed to the additional Saturday production runs.

Electric Usage (kWH) per Gallon Produced

Year	Electric Usage (kWH) per Gallon Produced
2011	~1.40
2012	~1.45
2013	~1.40

As with the other utilities, Natural Gas usage is also affected marginally by additional production.

Natural Gas Usage (dTH) per Gallon Produced

Year	Natural Gas Usage (dTH) per Gallon Produced
2011	~0.0020
2012	~0.0020
2013	~0.0020

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Opportunities in Reporting Metrics:

- Inclusion in our Leadership scorecard
- Establishing LT goals (2025)



Questions?