

Lagunitas, Wastewater, Water Re-use and other Mumblings

Eppa Rixey

Strategy Guy



LAGUNITAS BREWING CO.

Wastewater has been a defining aspect of Lagunitas' existence from day one

The town of Lagunitas (pop. ~390)



Our first brewery ('93)



On to Petaluma and outgrowing the City's capacity

Petaluma's Ellis Creek Facility (built July 2009)



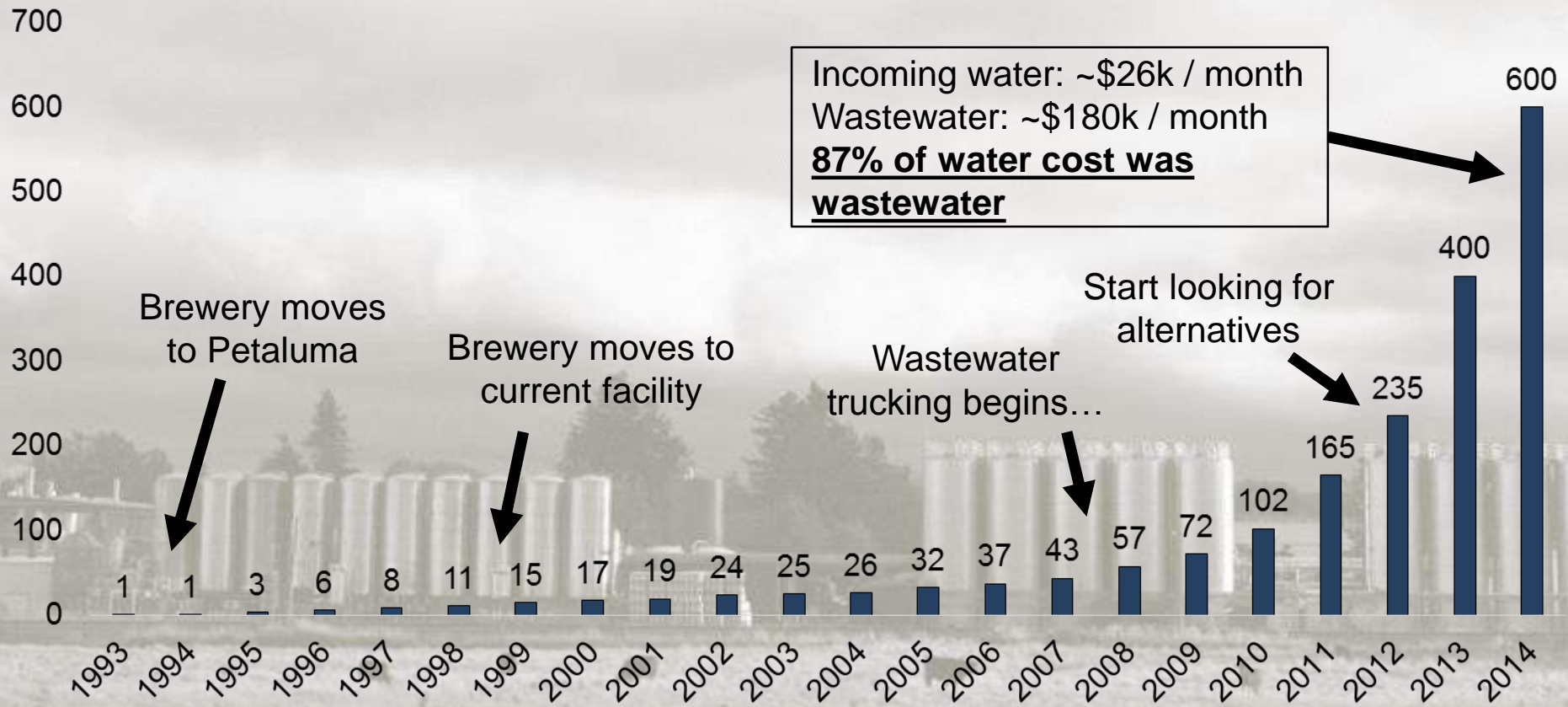
Lagunitas brewery as seen from our farm



Shackled to growth and paying for water twice

Lagunitas Brewing Company 21 Years of Growth 1993-2014

in 000's Barrels



Taking the wastewater trucks off the road



- Cambrian system selected for our high strength waste (anaerobic digestion)
 - Modular / scalable
 - High reliability / remote monitoring
 - Greater energy output
 - Outsourced operation
 - Clean energy / ITC
- Also incorporating re-use into the design via MBR and RO
 - Water use ratio 4:1 → 2.5:1
 - ~40% reduction in water usage
 - ~70% reduction in wastewater volume

Wastewater can be a real thorn in the side of a growing brewery

- Technologies exist that can reduce this burden significantly
 - Choose the right option given your specific requirements (one size does not fit all)
- Understanding your wastewater and options for dealing with it will enable you to grow your brewery while avoiding:
 - Significant fines
 - Fees
 - Even the possibility of getting shut down

Eppa Rixey

Lagunitas Strategic Planning Manager

eppa.rixey@Lagunitas.com

A photograph of a brewery facility featuring several large, cylindrical stainless steel silos. In the foreground, a grassy field contains several cows grazing. The sky is overcast with grey clouds. The text is overlaid on the upper left portion of the image.

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