



*Next Frontier: Supply Chain Carbon Management  
Anheuser-Busch Companies, Inc.*

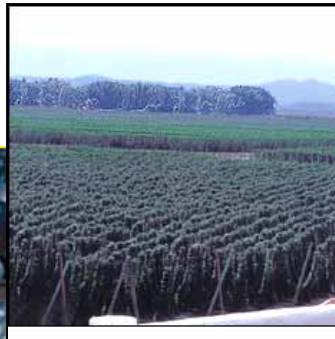
*December, 2007*

*Climate Leaders Partners Meeting*

*Angie Slaughter*



# Anheuser-Busch Companies





## Mission

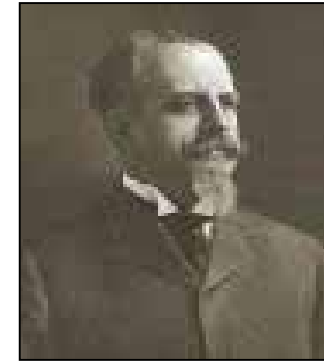
*“To brew, package and ship the freshest, highest quality beer in the world in the most responsible and efficient manner possible”*





# *A Long History of Environmental Stewardship*

- Improving efficiency, minimizing waste and supporting conservation efforts for more than 100 years
  - Spent grain recycled into cattle feed since 1890s
  - A-B Recycling Corporation formed in 1978 and now recycles more aluminum cans than we package
  - World's largest operator of Bio-Energy Recovery Systems that convert nutrients from the brewing process into renewable fuel
    - Started developing technology in 1985
  - Leaders in animal rescue and rehabilitation
    - More than 14,000 animals rescued since 1970





## *Waste Reduction and Recycling*

- Reduce packaging materials through light-weighting initiatives
- Recycle more than 99% of solid waste generated
- Recycle more than 5 billion pounds of materials a year
- Inducted into EPA's WasteWise Hall of Fame in 2005 for voluntary efforts to reduce waste, recycle and purchase recycled products

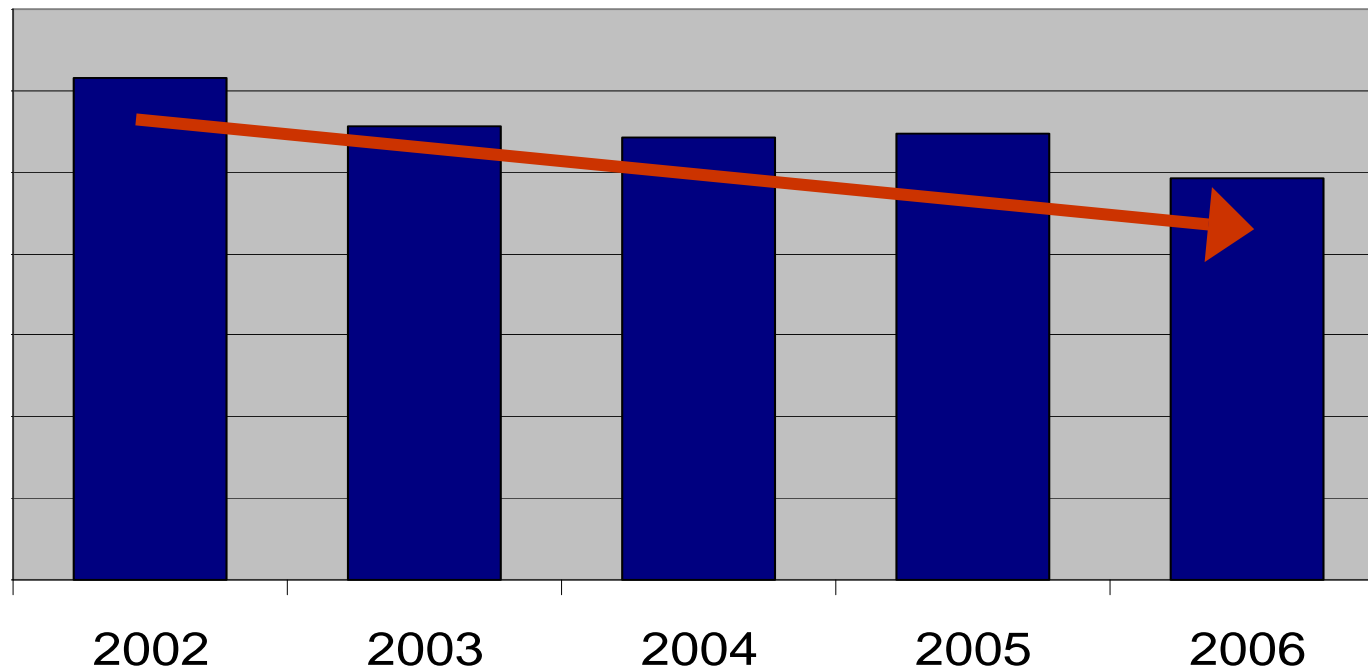




## *Using Water Efficiently*

- US brewery water use has been cut by more than 20 percent since 1990 and by 5 percent in the last five years.

Water usage per production unit

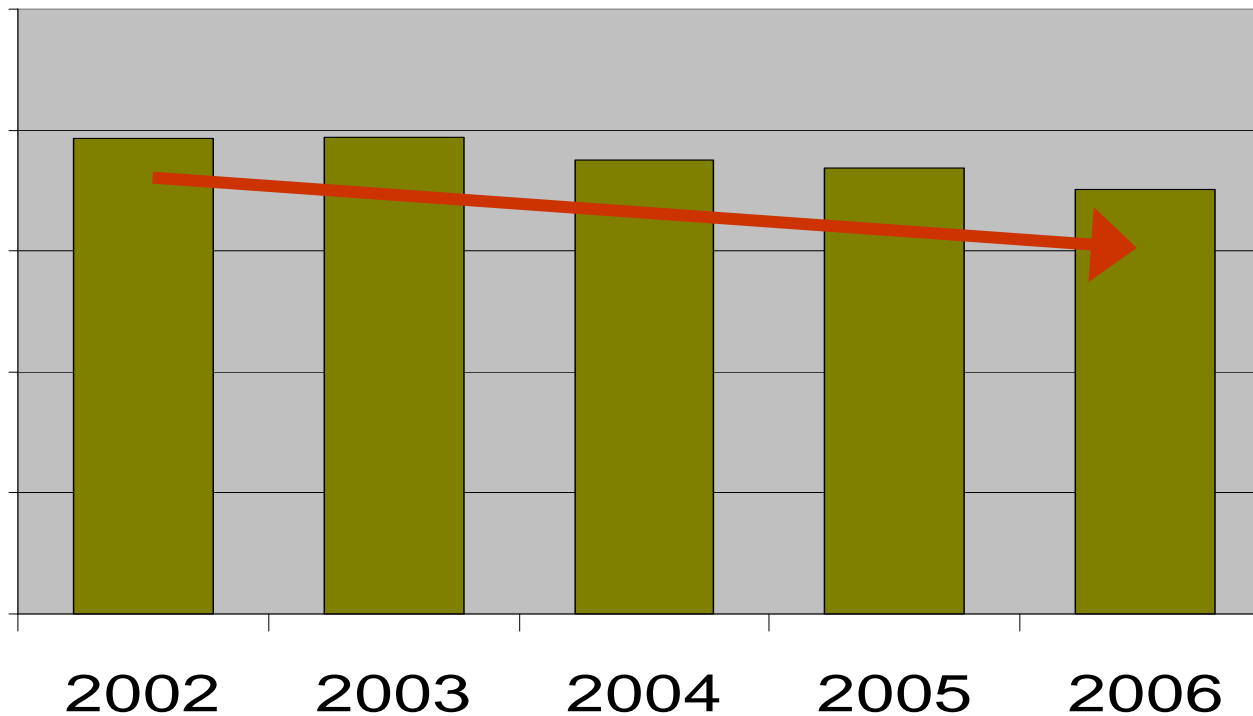




## *Using Energy Efficiently*

- US brewery energy use has been cut in half since the early 1970s and by 10 percent over the last five years.

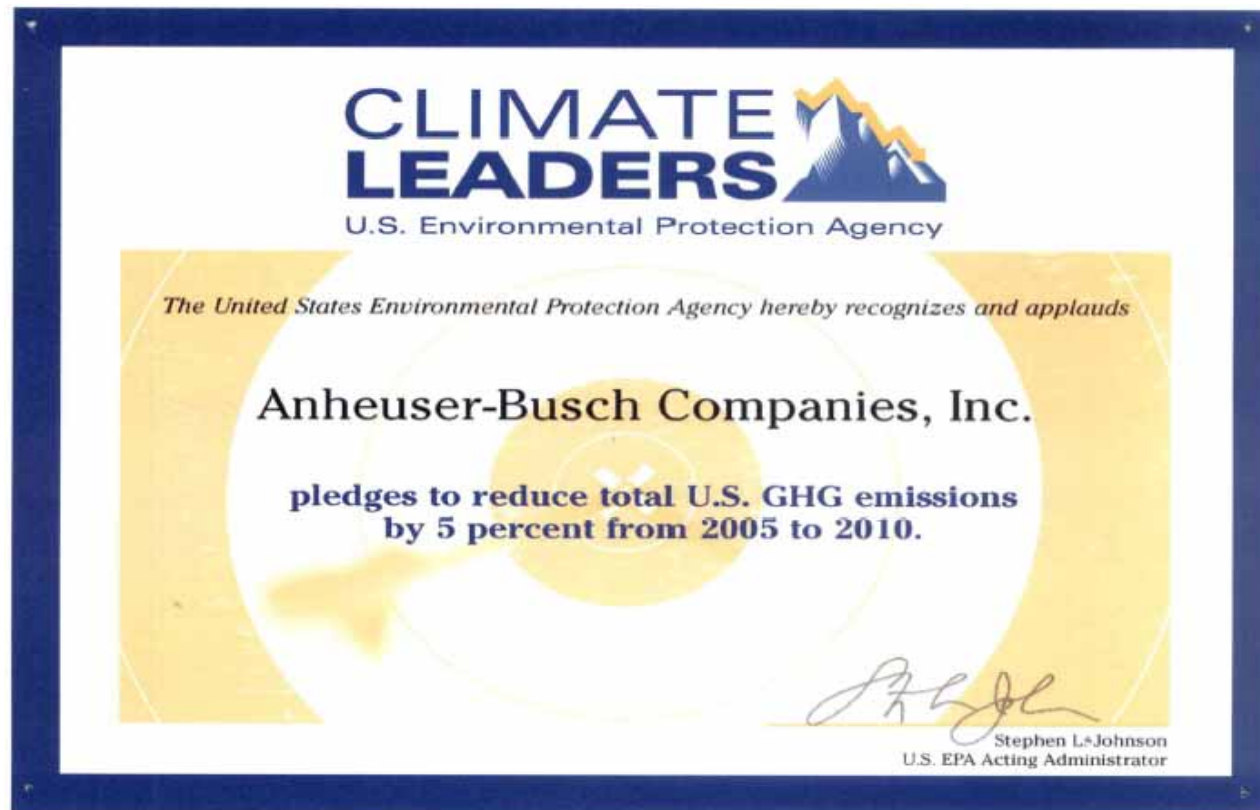
Fuel usage per production unit





## *2010 Energy and Climate Change Goals*

- 1% annual reduction in total energy use
- 5% reduction in greenhouse gases (2005 base)
- 15% of total fuel needs provided through renewable energy







# Voluntary Program Engagement

- Greenhouse Gas Programs
  - U.S. EPA Climate Leaders
  - California Climate Action Registry
  - U.S. EPA Landfill Methane Outreach
- Transportation Programs
  - U.S. EPA SmartWay Transport
  - National Biodiesel Board
- External Communications
  - Climate Disclosure Project
  - EHS Reporting



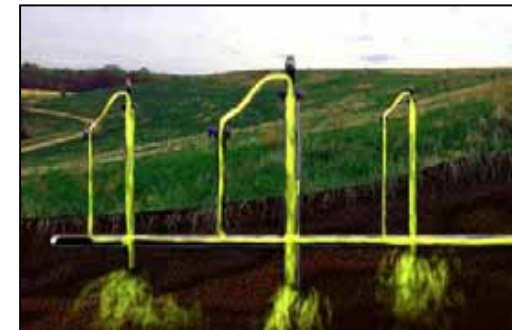
CARBON DISCLOSURE PROJECT





## *Increasing Renewable Energy Use*

- Bio-Energy Recovery Systems provide a renewable energy source for the company
- Evaluating other sources of renewable energy
  - Biodiesel
  - Fuel crops
  - Wood
  - Landfill Gas
  - Wind
  - Solar





## Company-Owned Farms

- Re-use of water from the brewing process to grow crops
- Evaluating potential fuel crops for biodiesel and cellulosic conversion



### NutriTurf Renewable Fuel Test Crops

- Higher revenue than current feed crops
  - E-grass (solid fuel)
  - Canola, Camelina (biodiesel)



JAX E-Grass

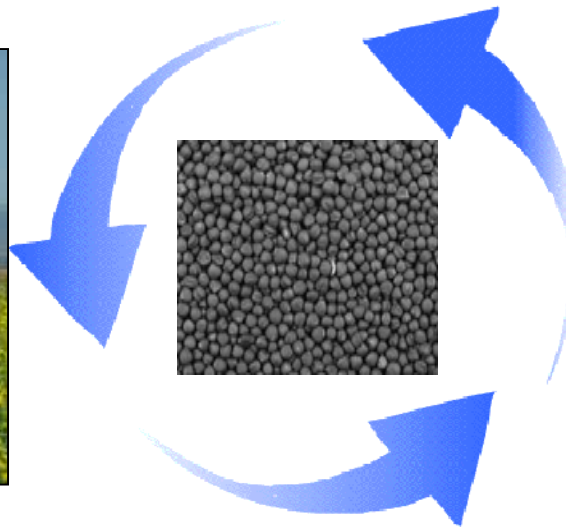


FCL Canola





- Fort Collins
  - 70% of leftover brewery water sent to the farm
  - Trials for canola and camelina for bio-fuel processing
  - Crops/seed processed for oils and biodiesel blends
  - Biodiesel being used in farm equipment and brewery on-site trucks





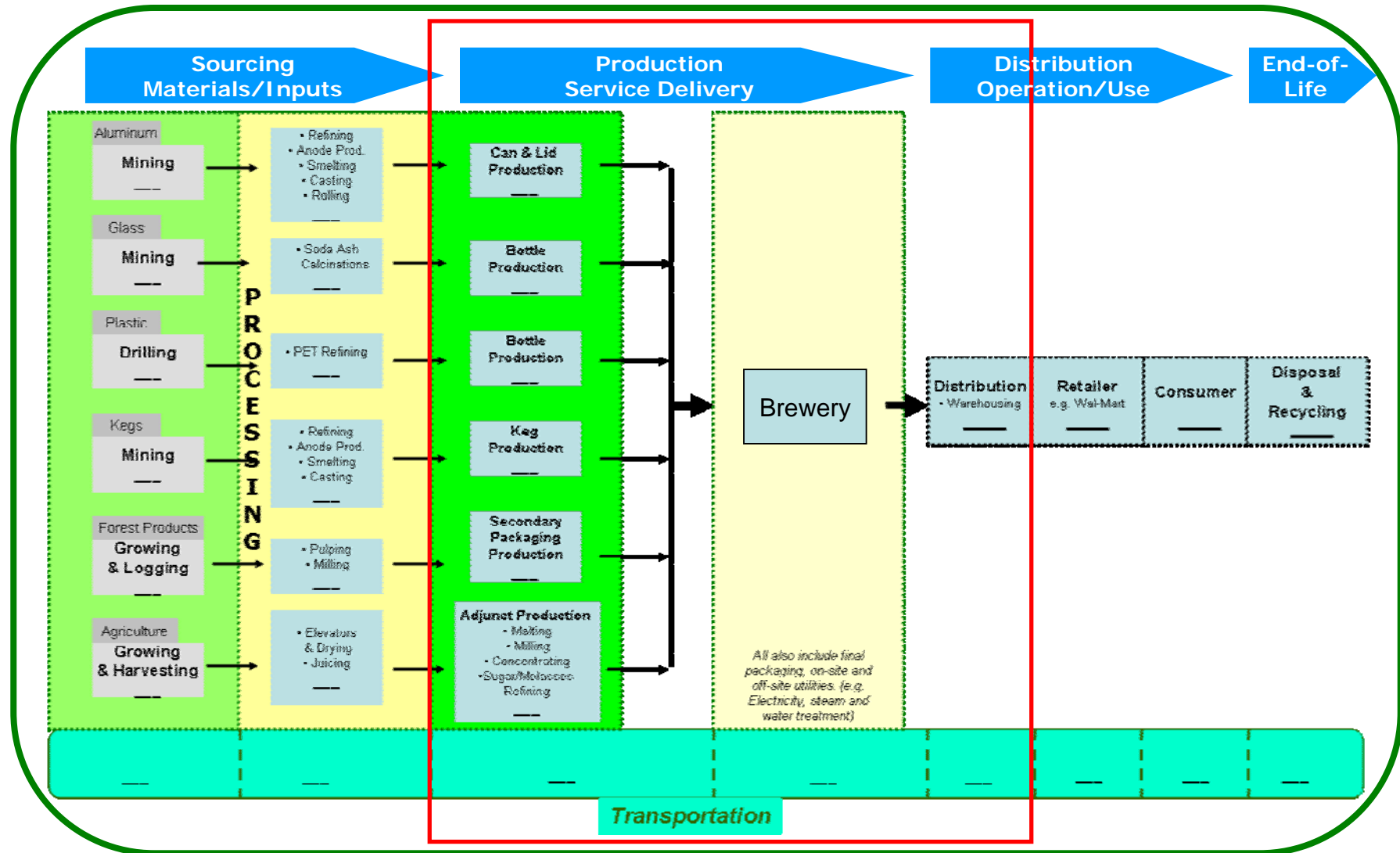
## *Transportation Strategies*

- Benchmarking with leading transportation companies and organizations
- Pilot strategies at A-B wholesalers to expand use as we gain experience and identify viable sources of fuel
  - New York – CNG conversion and **heavy duty hybrid**
  - Beach Cities, San Diego, Louisville, New York and Denver – **biodiesel**





# Greenhouse Gas Life Cycle Analysis





## *Summary*

- Anheuser-Busch has a long and rich history of environmental protection and wildlife preservation
- We continue to evaluate strategies to reduce our environmental impacts throughout the supply chain
- Our plan includes developing strategic partnerships within our communities and with leading organizations
- Learn more about our efforts at:

**[www.ourpledge.com](http://www.ourpledge.com)**





*Thank you!*

