

NUMMI

New United Motor Manufacturing, Inc.



History

- 1962 – GM Fremont plant opened
- 1982 – Fremont plant closed
- 1984 – GM-Toyota joint venture formed
- 1985 NUMMI starts production
- NUMMI is the last remaining auto plant in the West



NUMMI Today

- Employment: 5,440 team members
- Secondary employment: Approx. 50,000
- Investment: \$3.1 billion
- 420,000 vehicle produced in 2006
- Total production: over 6 million vehicles
- Size: 6 million square feet under roof



Pontiac Vibe



Toyota Corolla



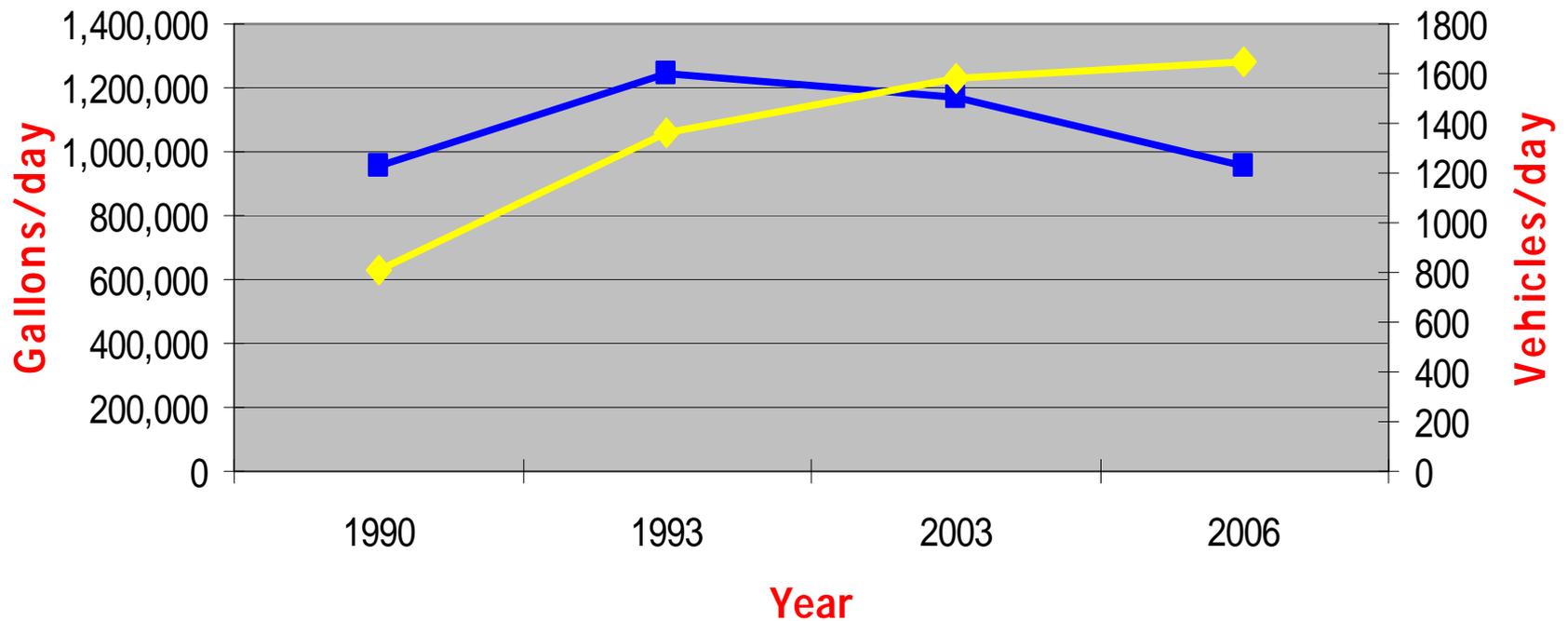
Toyota Tacoma





Production & Water Use

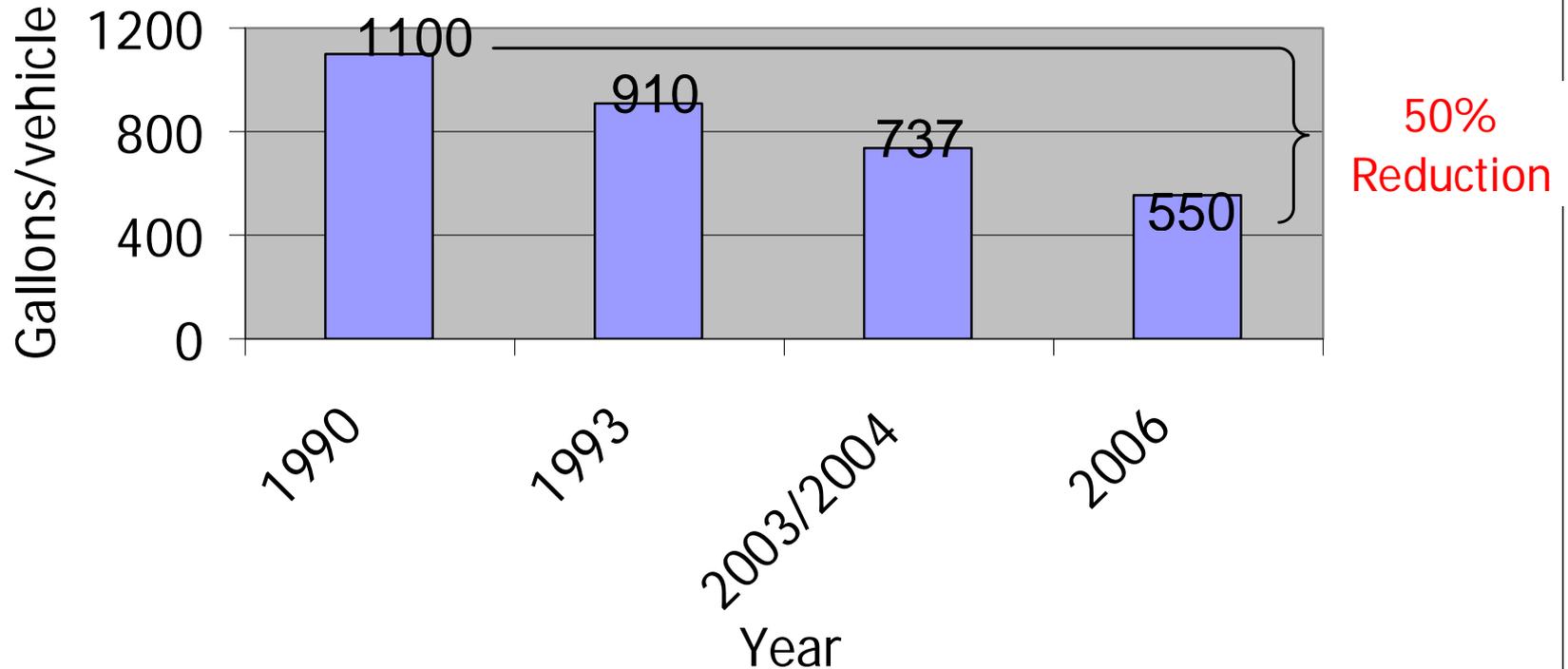
Total Water Used and Vehicles to Production Daily





Production and Water Use

Total Plant Water Use per Vehicle





Water Reduction Kaizens

- Air supply system water recycling
- Increase in cooling tower recycling
- Wet sanding water recycling
- Moisture controlled landscape watering
- Flow restrictors in restrooms
- Improved process cocntrols (meters)
- Environmental Management System



Environmental Management System

- Based on ISO 14001
- Certified in 1998
- Toyota EMS requires environmental performance targets:
 - energy
 - water
 - solid waste



Water Supply Concerns

- Reliable supply of high quality water
 - Hetch Hetchy hardness 26 ppm
 - currently under supply contract
 - ACWD hardness 215 ppm
- Increased hardness will cause an estimated 30% increase in water use due to treatment loss
- Water costs predicted to triple by 2013



Water Reuse Concerns

- Current State law makes reuse of industrial wastewater difficult.
- POTW grey water standards should not apply to industrial wastewater.
- Because water is an inexpensive but limited resource, tax credits will increase investments in conservation and reuse.

THE END

