

Overview

Rolfe Parsloe

Department of Ecology

Toxics Reduction Specialist

rpar461@ecy.wa.gov

509.456.6189

Cleaner Production Challenge

- What is the challenge?

"Reduce energy, water & sludge 10-25%"

- Why should a business participate?
 - Increase profitability per part produced
 - Reduce rejects by improving process control

CPC Timeline

- Year 2000 baseline data:
 - Gas, electricity, water, sludge
- Collect same data: 2001 - 2004
- Normalize data from year to year with a production factor
- Implement change leading to reductions ASAP

Keys to Achieving 10-25% Reduction

- Management commitment
- \$ available for improvements
- Getting staff input, buy-in
- Understanding available opportunities

Opportunities to Reduce 10-25% Energy, Water, Sludge

1. Minimize dragout
2. Optimize rinse water usage
3. Minimize bath dumps



clean parts

excessive
waste water

Case Studies

- ELDEC Corporation
 - 25% reduction
- Art Brass
 - 50% reduction
- Pioneer Industries
 - 123 k gal/ month → 50 k gal/ month
- Hytec Finishing @ Everett
 - Zero-discharge

What Opportunities Will Get You 10-25% Reduction?

- Dragout reduction, flow control, bath maintenance
- Network with your peers – develop own
- Technical assistance visit from Ecology
- TREE team visit