



Metal  
Manufacturers & Finishers  
Green Certification

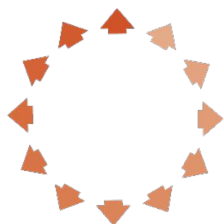


Part of a cooperative  
Agreement  
Form the U.S. EPA



Training and Technical  
Assistance  
By  
Zero Waste Enterprises, LLC

# Acknowledge Course Sponsors



NEVADA  
Industry Excellence  
"YOUR STRATEGIC GROWTH PARTNER"



NATIONAL POLLUTION  
PREVENTION ROUNDTABLE



# Schedule - Wednesdays 9am-10:30am (PT)

## Introduction to Metal Finishing Environmental Certification

Week 1: Introduction - "Finding the Hidden Profits in Environmental Stewardship"

Week 2: Success Stories - "Real World Examples from the Metal Manufacturing Industry "

## Successful Metal Manufacturing Environmental Practices

Week 3: Best Management Practices for Metal Finishing

Week 4: Best Management Practices for Cutting Fluids and other issues - "More Metal Manufacturing Best Management Practices"

## Lean and Environmental Training for Metal Finishing

Week 5: Solvent Issues - "Safer Alternatives in Solvent Applications for Metal Processing"

Week 6: Lean Manufacturing Techniques - Using Lean Manufacturing to uncover opportunities.

Week 7: Lean Practices and Success Stories



# LA Industry

Jennifer Kong PE



# Mission & Vision

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# Engagement: working together

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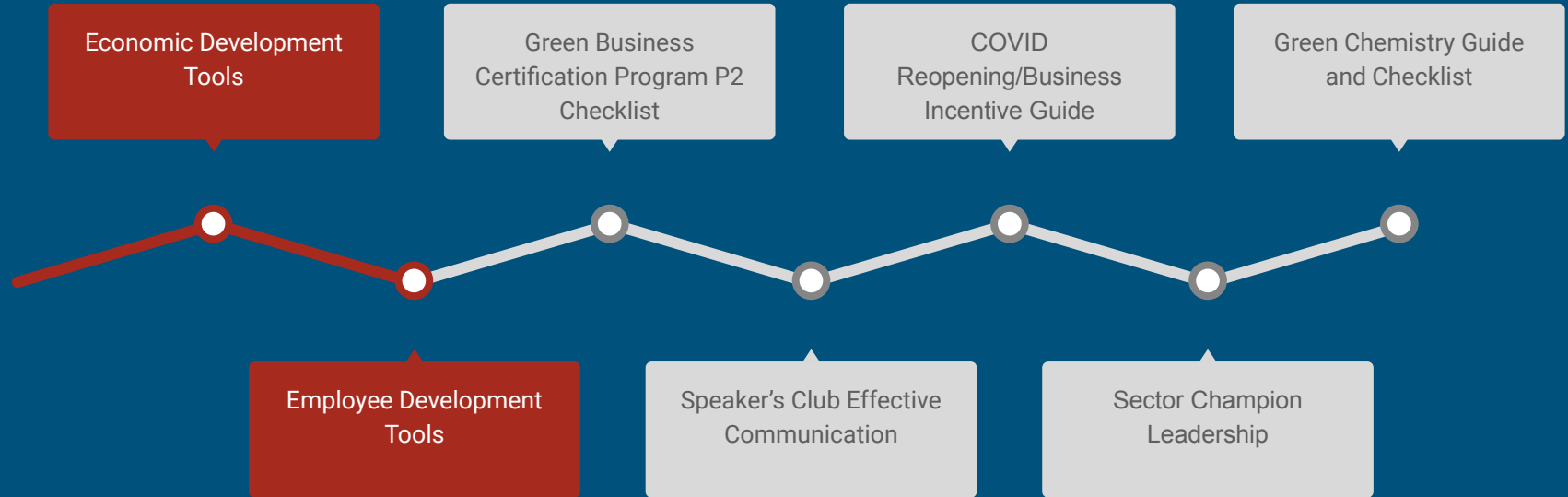
# LA Industry Model

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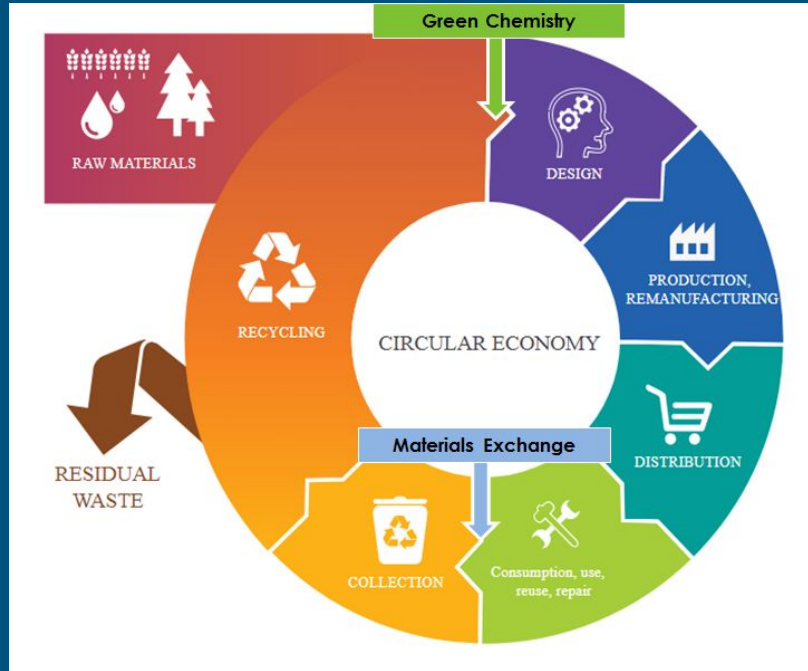


# Tools Development to Enhance Services

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# Economic Tools



## Innovation with LACI

Innovative solution to process bioplastic, textile waste, cellulose byproduct for material reuse

## Materials Exchange Pilot with SRCRD

PRD - conduct feasibility study, determine industrial waste characterization, centralize data management to facilitate exchange

## P2/Sustainability & Biomimicry Experts

Develop in-house P2 experts in air, water, and land to support pollution prevention and outreach activities

## Environmental Justice Case Management

Prioritize industry sector in EJ communities to meet one-on-one to provide compliance assistance and fund clean up projects. Work in conjunction with CUGU

# Economic Tools (Con't)

## Energy and Water Efficiency

Partner with LADBS to assist businesses in EBEWE compliance and improve their energy and water efficiency and reduce environmental footprint

## Leadership Meeting

Built collaborative public-private partnership with industry leaders, and develop strategic next steps



## Green Chemistry Checklist

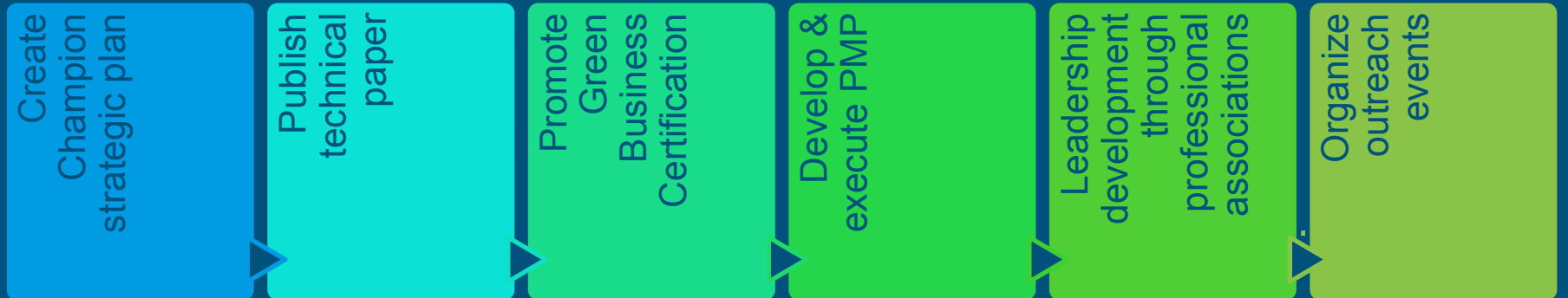
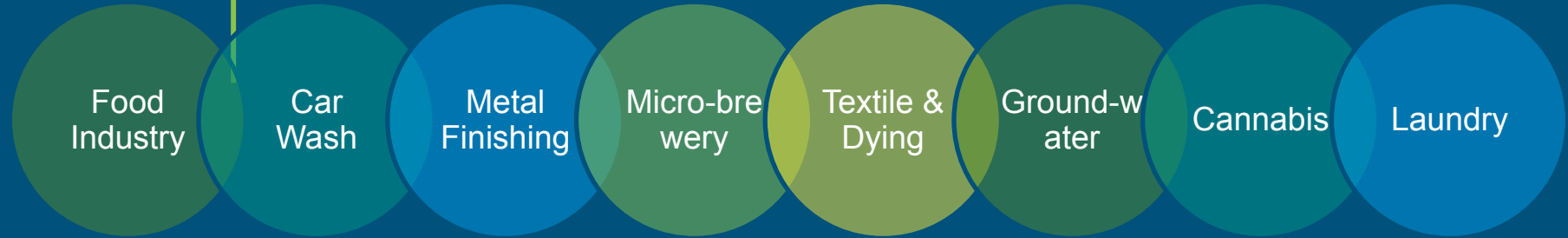
Develop industry-specific checklists to close the gap to take the theoretical 12 green chemistry principles and apply them to existing manufacturing processes to lessen the environmental footprint.

## Industry-Wide Solution and Designate Sector Champion

Tailor needs of individual industry/business sector to identify opportunities to fund sustainable practices



# Employee Tools: Sector Champions



# What's Next

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- P2 Advocacy Plan
  - Completed P2 training
  - Green Business Checklist for MF and other sectors
  - Implement EJ workplan, expand environmental audits

