

Alianza Verde Automotriz (AVA)

*Improving Environmental and Economic Performance
in the Auto Supply Chain*

ALIANZA VERDE
AUTOMOTRIZ

Overview Presentation
2012



Alianza Verde Automotriz (AVA)

- Alianza Verde Automotriz (AVA) is a new initiative organized in collaboration with the Commission for Environmental Cooperation (CEC) and the Suppliers Partnership for the Environment (SP).
- Provides automakers and their suppliers the opportunity to address new, innovative and voluntary environmental sustainability projects and activities that will improve their environmental performance while providing value throughout the automobile supply chain in Mexico in collaboration with the Mexican Government.



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AVA Work Groups

- **Energy Efficiency Work Group**
 - Chair: Arnulfo Berlanga,
General Motors Company, Mexico
- **Waste Management and Resource Creation Work Group**
 - Chair: Delia Rivas, Chrysler Mexico
- **Water Efficiency Work Group**
 - Chair: Luis Lara, Ford Motor Company, Mexico



Benjamin Teitelbaum, CEC; Luis Lara, Ford;
Evan Lloyd, CEC; Delia Rivas, Chrysler;
Arnulfo Berlanga, GM



Energy Efficiency

Chair: Arnulfo Berlanga, General Motors Company, Mexico

- Create a process for suppliers to better understand where they are in relation to energy efficiency and its corresponding impact on the environment.
 - Create a tool or identify existing tools that can be utilized and scaled for various sizes of suppliers that will help those suppliers address energy efficiency opportunities that will improve the environment and economic opportunities for their companies.
 - Establish clear goals and objectives relating to improved, quantifiable success relating to energy efficiency activities and projects, recognizing the difference between goals and objectives.
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Energy Efficiency

- Collecting and sharing information to help suppliers address energy efficiency opportunities that will improve the environment and economic opportunities for their companies.
- Examples of practices shared in recent meetings include:
 - GM Energy Sufficiency Plan and Zero Energy Plan
 - Nematik's Energy Committee Model and Heat Treatment Benchmark
 - DENSO Mexico's Energy Savings Activities
 - VW's Global Energy Reduction Objectives



Pedro Zuviri, Nematik discusses energy efficiency practices with AVA participants



Water Efficiency

Chair: Luis Lara, Ford Motor Company, Mexico

- Establish a vision for the Work Group that will focus on collecting and sharing information among all participants that will enhance the ability of companies in the automobile supply chain in Mexico to improve their use and potential re-use of water in their manufacturing activities.
 - Work Group activities should focus on measurement of water as a diagnostic tool, in order to control its use recognizing that continuous improvement can be used to improve water efficiency.
 - Find a way to utilize voluntary audit verifications to affirm progress made on identified Key Performance Indicators (KPIs).
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Water Efficiency

Collecting and sharing information to help companies in the auto supply chain in Mexico to improve their use and potential re-use of water in their manufacturing activities.

Examples company practices shared in recent meetings include:

- Case study on Ford's Chihuahua Engine Plant (ChEP)
- VW Mexico's Water Efficiency Measures
- Water Efficiency Projects at Nemak
- GTI's Ultrasound Leak Detection System



Ford's ChEP (above) which has zero discharge to the municipal sewer system, won the CONAGUA – COPARMEX 2011 Environmental Cooperation Program National contest for efficient water use. In 2010 ChEP received the Environmental Leadership Award from the Mexican Government for projects that are saving more than 32,000 cubic meters of water a year.





Waste Reduction & Resource Creation

Chair: Delia Rivas, Chrysler Mexico

- Identify a list of wastes that we collectively want to “disappear.”
 - Challenge ourselves to find better solutions and uses for materials that can provide economic value for our companies.
 - Invite other stakeholders to work with and collaborate with us toward a common vision committed to creating economic opportunity out of what has been historically considered wastes.
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Waste Reduction & Resource Creation

- Identifying wastes that the supply chain collectively wants to “disappear” and challenging ourselves to find better solutions and uses for materials that can provide economic value to participants.

- Chrysler, GM, Ford, VW, Nematik and Faurecia collaborated to develop an initial target list of materials that the group aims to work together to find better solutions to manage.



Miguel Velasco, Continental Mexico shares waste management examples with AVA participants

- Collecting and sharing information to help suppliers address waste reduction opportunities. Examples of recent discussions:

- Materials & Waste Management at Chrysler Mexico
- Continental Mexico’s Waste Management Program
- Sustainable Chemical Management: Chemicomays



SP North America Work Group

In 2013, AVA will continue each of its leading Work Group efforts in Mexico in collaboration with a new North America Work Group of the Suppliers Partnership (SP).

Objectives of the Work Group include:

- establishing a *network of auto industry subject matter experts* from the US, Mexico and Canada working together toward a common goal
- providing an *educational forum* to share global best practices, value added tools / resources, and success stories highlighting how companies in the automotive supply chain are improving the environment and creating economic opportunity throughout the manufacturing process across North America
- creating the *North American platform* for OEMs, their suppliers and government representatives to work together to improve environmental performance while increasing value throughout the automotive supply chain.



For More Information

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