

Alianza Verde Automotriz (AVA)

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

ALIANZA VERDE
AUTOMOTRIZ

SP Membership Meeting
June 26, 2013
Alejandro Sosa



Alianza Verde Automotriz (AVA)

- Alianza Verde Automotriz (AVA) is an initiative of SP's North American Work Group.
- 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.
- SP's AVA project was organized in collaboration with the Commission for Environmental Cooperation (CEC).



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



		NEMAK	DENSO	TAKATA	CONTINENTAL	FORD	Chemico Max	Martinrea	Heritage	Vitro-Autot	Vitro-Cristales Ina	Vitro
Tipo de empresa	Manufactura	X	X	X	X			X		X	X	X
	Ensamble					X						
	Maquila											
	Servicios						X		X			
Tamaño de empresa	<150 empleados			X			X		X			
	150-300 empleados											X
	>300 empleados	X	X		X	X		X		X	X	
Cuenta con un inventario de equipos de alto consumo energético	SI	X	X	X	X	X	X	X	X	X	X	X
	NO											
Cuenta con una estrategia documentada de conservación, optimización y ahorro de energía	SI	X	X	X	X	X	X	X	X	X	X	X
	NO											
La estrategia esta implementada a nivel:	Operario						X					
	Empleado		X									
	Mantenimiento		X	X	X							
	Toda la Organización	X				X		X	X	X	X	X
Se cuenta con el apoyo y seguimiento de la alta gerencia?	SI	X	X	X	X	X	X	X	X	X	X	X
	NO											
Se han establecido objetivos, metas e indicadores de desempeño?	SI	X	X	X	X	X	X			X	X	X
	NO								X			
Que tipo de fuentes de energía(s) utiliza en sus procesos	Eléctrica	X	X	X	X	X	X	X	X	X	X	X
	Gas Natural	X	X	X	X	X	X	X	X	X	X	X
	Diesel	X		X	X	X						X
	Combustóleo											
	Otras					X		X				

CUESTIONARIO DE CONSERVACION, OPTIMIZACION Y AHORRO DE ENERGIA

Tipo de empresa

Manufactura Ensamble Maquila Servicios

Tamaño de empresa

<150 empleados 150-300 empleados >300 empleados

Cuenta con un inventario de equipos de alto consumo energético

SI No

Cuenta con una estrategia documentada de conservación, optimización y ahorro de energía

SI No

La estrategia esta implementada a nivel:

Operario Empleado Mantenimiento Toda la Organización

Se cuenta con el apoyo y seguimiento de la alta gerencia?

SI No

Se han establecido objetivos, metas e indicadores de desempeño?

SI No

Que tipo de fuentes de energía(s) utiliza en sus procesos

Eléctrica Gas Natural Diesel Combustóleo Otras

Considera el Aire Comprimido como fuente de energía

SI No

The Work Group has developed energy efficiency surveys to benchmark and develop best practices within AVA



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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“Ser el grupo de trabajo que en la cadena de valor automotriz en México, realice acciones que permitan preservar la cantidad y calidad del agua de los mantos acuíferos, su uso eficiente y reutilización”.



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

Materials & Waste Management and Resource Creation

Best Practice Saltillo Engine Plant



SUPPLIER'S PARTNERSHIP FOR THE ENVIRONMENT – ALIANZA VERDE AUTOMOTRIZ (AVA)

Lodos							
Empresa AVA	Nombre del Residuo	Descripción del Residuo	Cantidad Anual Generada	Destino Actual	Posibles Reusos	Nombre del Contacto	Correo electrónico
Chrysler de México TAP & SAP	Lodos de Pintura	Lodos de cabinas de aplicación de pintura con 40% de humedad	500 Ton (500 Ton TAP & 500 Ton SAP)	Co-procesamiento /Inineración hornos de cemento	Aditivo en fabricación de asfaltos o Selladores impermeabilizantes	Deira R. Rivas Chevarría	dr10@chrysler.com
Chrysler de México Planta SSEP & SEP	Lodos Aceitosos/ Lodos Industriales	Polímero + Glicerol de maquinado + Grasas y Aceites + Agua (80%) (Bompeo de Emulsión por medio de Polímero)	94 Ton SSEP	Tratamiento por floculación, encapsamiento y confinamiento		Deira R. Rivas Chevarría	dr10@chrysler.com
Ford Motor	Lodos CHIH	Gly sludge from 30000	300 Ton CHIH	Co-procesamiento		Dionisio Menchero	emancher@ford.com
Ford Motor	Lodos HUALD, CUAUT	Lodos de aplicación	33 Ton HUALD 20 Ton CUAUT	Co-procesamiento		Dionisio Menchero	emancher@ford.com
General Motors de México (Plantas Ramos de Ojeda, SAP y Toluca)	Lodos de tratamiento de aguas	Lodos de tratamiento de agua	384 toneladas	Reciclar		Graciela Canales	graciela.canales@gm.com

POLÍMEROS, ADHESIVOS Y RESINAS							
Empresa AVA	Nombre del Residuo	Descripción del Residuo	Cantidad Anual Generada	Destino Actual	Posibles Reusos	Nombre del Contacto	Correo electrónico
Chrysler de México TAP	Adhesivo de Urethano solidificado	Residuos de aplicación de urethano en	7,000 Kg TAP	Co-procesamiento /Inineración hornos de cemento		Deira R. Rivas Chevarría	dr10@chrysler.com

Work Group members have developed a list of plant wastes to facilitate identification of new solutions and sharing of practices in Mexico



SP North America Work Group

AVA continues each of its 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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