



## SECO'S GREATEST HITS

December 14-16, 2009

Hilton Garden Inn, Austin, Texas

### PRESENTERS:

*Juline Ferris, Program Specialist, Schools and Education State Energy Conservation Office*

*Carol Fletcher, Ph.D., Assistant Director, Texas Regional Collaboratives*

*Marsha Willis, Professional Development Coordinator, Texas Regional Collaboratives*

*Brenda Weiser, Ed.D., Associate Professor, University of Houston Clear Lake*

*Bea Long, 8th Grade Teacher and ITM, Seabrook Intermediate School, Clear Creek ISD*

### AGENDA – DAY 1 (Monday, December 14, 2009)

<b>Welcome and Introductions</b>	<i>Marsha Willis</i>
<b>Introduction to SECO Professional Development</b> <ul style="list-style-type: none"> <li>▪ SECO websites</li> <li>▪ Discussion of Safety Guidelines for Activities</li> <li>▪ Energy Trip Ticket (K-12)</li> </ul>	<i>Juline Ferris</i>
<b>BREAK</b>	
<b>Electricity Activities</b> <ul style="list-style-type: none"> <li>▪ Discuss simple circuits (4-5)</li> <li>▪ Electromagnets (4)</li> <li>▪ Creating Electricity from a Magnet (4)</li> </ul>	<i>Carol Fletcher</i>
<b>LUNCH</b>	
<b>Hydroelectric Activities</b> <ul style="list-style-type: none"> <li>▪ Build a Dam (1-4, 7) - <i>Marsha</i></li> <li>▪ Water Wheel (3-6) - <i>Carol</i></li> <li>▪ Under Pressure-Hydro Electric (4-6) - <i>Carol</i></li> </ul>	<i>Marsha Willis and Carol Fletcher</i>
<b>BREAK</b>	
<b>Fuel Cells</b> <ul style="list-style-type: none"> <li>▪ Electrolysis (HS)</li> </ul>	<i>Carol Fletcher</i>
<b>Reflection/Discussion</b>	<i>Marsha Willis</i>
<b>Clean Up/Closure</b>	<i>Marsha Willis</i>

## AGENDA – DAY 2 (Tuesday, December 15, 2009)

<b>BREAKFAST</b>	
<b>Project Learning Tree/ Energy and Society</b>	<i>Brenda Weiser and Bea Long</i>
<ul style="list-style-type: none"><li>▪ Overview, Goals (K-12)</li><li>▪ Activity: Energy Detectives - (includes discussion on forms of energy)</li><li>▪ Dancing with Billy B. - Energy and Me</li><li>▪ May the Source Be With You</li></ul>	
<b>BREAK</b>	
<ul style="list-style-type: none"><li>▪ “Yummy, Yummy” song and “It is the Energy, It is the Sun” video</li><li>▪ What is PLT? - Pass out energy kits (K-12)</li><li>▪ How Do I Get the Kits? (K-12)</li></ul>	
<b>LUNCH</b>	
<ul style="list-style-type: none"><li>▪ In the Driver's Seat</li><li>▪ Water Cycle Dance</li><li>▪ Jeopardy Game</li><li>▪ Evaluation/Wrap Up</li></ul>	
<b>BREAK</b>	
<b>Solar Energy</b>	<i>Marsha Willis and Juline Ferris</i>
<ul style="list-style-type: none"><li>▪ What Color Absorbs (K-4,6) - <i>Marsha</i></li><li>▪ Cooking with the Sun (6-8) - <i>Juline</i></li><li>▪ Testing PV Cells (HS) - <i>Marsha</i></li></ul>	
<b>Clean Up/Closure</b>	<i>Marsha Willis</i>

## AGENDA – DAY 3 (Wednesday, December 16, 2009)

<b>BREAKFAST</b>	
<b>Biomass</b>	<i>Marsha Willis and Juline Ferris</i>
<ul style="list-style-type: none"><li>▪ Biomass: Nature’s Most Flexible Resource (4-8) - <i>Marsha</i></li><li>▪ NUTS! (6-12) - <i>Juline</i></li></ul>	
<b>BREAK</b>	
<ul style="list-style-type: none"><li>▪ Making a Landfill (HS) - <i>Juline</i></li><li>▪ Making a Landfill Gas (HS) - <i>Juline</i></li></ul>	
<b>LUNCH</b>	
<b>Bringing it All Together</b>	<i>Marsha Willis</i>
<ul style="list-style-type: none"><li>▪ Vertical Alignment/Themes in New TEKS</li><li>▪ Making a Career Connection</li><li>▪ Guest Lectures/Field Trips</li><li>▪ Organizing a Professional Development</li><li>▪ Alternative Ways to Organize Units</li></ul>	
<b>BREAK</b>	
<b>Energy Tickets</b>	<i>Juline Ferris</i>
<ul style="list-style-type: none"><li>▪ Final Count</li><li>▪ Prizes</li></ul>	
<b>Material Give Aways/Adjourn</b>	<i>Marsha Willis</i>