



# MISSOURI BOTANICAL GARDEN



## **“The Power of Energy” Summer Institute**

A field based intensive training geared primarily for middle school teachers, but open to any teacher of grades K-12. Participants will explore energy production and usage in the bi-state region. Behind the scenes tours will include the following: Callaway Nuclear Plant, Bagnell Dam, wind turbine, Chamois Plant (coal and algae), Conoco Phillips Oil Refinery, Laclede Gas, solar array, and Fred Weber Landfill. During the week we'll reflect on our experiences and discuss how we can apply them to the classroom setting.

### **2011 TENTATIVE Schedule**

#### **Monday, June 20**

- 12:00 pm – Participants arrive at National Great Rivers Research & Education Center (NGRREC)
- 12:30 pm – **Laclede Gas** presentation
- 1:30 pm – Depart for Laclede Gas Underground Storage Tour
- 2:15 pm – **Laclede Gas Underground Storage Facility** Tour
- 3:15 pm – Return to NGRREC
- 4:00 pm – Sustainability Tour & Educational Opportunities at NGRREC
- 5:30 pm – Dinner and instructions for the week

#### **Tuesday, June 21**

- 8:00 a.m. – Meet at NGRREC for Classroom Connections workshop
- 9:30 a.m. – Bus departs NGRREC parking lot for Wind Cooperative
- 11:30 am – Tour of **Wind Cooperative and wind turbine**
- 12:30 p.m. – Depart for Solar Array, Lewis & Clark Community College
- 2:00 p.m. – Tour of **Solar Array**
- 3:00 p.m. – Depart for Conoco Phillips Oil Refinery tour
- 3:30 p.m. – Tour of **Conoco Phillips Oil Refinery**
- 5:30 p.m. – Depart Oil Refinery for Dinner at Erato Restaurant
- 6:00 p.m. – Dinner at Erato Restaurant in Edwardsville, IL – yum-o! ☺
- 7:30 p.m. – Depart Erato and return to NGRREC
- 8:00 p.m. – Arrive at NGRREC

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### **Wednesday, June 22**

6:15 a.m. - Meet at Missouri Botanical Garden, Ridgway Center  
6:30 a.m. – Bus departs CBEC for Callaway Nuclear  
8:30 a.m. – Arrive for Tour of **Callaway Nuclear Power Plant**  
11:00 am – Depart Callaway for Chamois Power Plant  
12:15 p.m. – Arrive at **Chamois Power Plant**  
2 p.m. – Depart Chamois for Bagnell Dam – Lake of the Ozarks  
3:30 p.m. – Arrive for Tour of **Bagnell Dam**  
5:00 p.m. – Depart dam for St Louis 8:30 p.m. – Arrive in St. Louis

### **Thursday, June 23**

8:00 a.m. – Meet at Missouri Botanical Garden’s Ridgway Center for Sustainability Tour & Educational Opportunities at MBG  
9:45 a.m. – Bus departs MBG for Fred Weber Landfill  
10:30 a.m. – Tour of **Fred Weber Landfill**  
12:30 a.m. – Depart for Schlafly Bottleworks  
1:00 p.m. - Lunch at Schlafly Bottleworks  
2:30 p.m. – Depart for MBG  
3:00 p.m. – Arrive at MBG – closing thoughts

\*\*\*All tours, starting locations, and times subject to change.

Participants will travel to field trip sites via a charter bus, leaving from and returning to designated meeting location; Meals provided where noted.

### ***For more information, or to register, contact:***

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