

Summary of Industry Initiatives

- **UtiliTree II** – One approach to addressing greenhouse gases is to use trees to remove carbon dioxide (CO₂) from the atmosphere and store it in leaves, tree biomass and roots, and soils. This concept has been demonstrated through our industry's UtiliTree Carbon Company (formed in 1995 with funding by 40 power generators), which is funding 10 projects. UtiliTree II is focusing on opportunities to plant trees in the lower Mississippi River Valley states, where UtiliTree has demonstrated success via seven projects to date. There are numerous reasons why it makes sense to support UtiliTree II, including: the projects result in carbon benefits and cost effectiveness as good as any in the U.S. (CO₂ cost below \$2 per ton); this region is the key federal and conservation group priority area for reforestation in the nation; the projects involve top-notch federal government and conservation group partners; and the projects provide major environmental benefits for waterfowl, migratory birds, songbirds, bears and other wildlife, plus improved water quality and flood control. As a result, the public holds tree planting in high regard.
- **Coal Combustion Products Project (C²P²)** – This project is a joint effort between the power sector and EPA aimed at diverting coal combustion products (CCPs) from land disposal and reducing greenhouse gas emissions by increasing CCP beneficial use. The beneficial use of CCPs as replacements for other materials reduces energy consumption associated with the mining, processing or manufacture of those materials. For example, manufacture of a ton of Portland cement produces one ton of CO₂; manufacture of a ton of lime produces 1.5 tons of CO₂. The use of CCPs in lieu of Portland cement, lime or other materials can result in significant CO₂ emission reductions, perhaps as much as 15 million tons annually. C²P² will consist of two main activities: 1) a challenge program aimed at increasing CCP use through education of potential CCP end-users, and 2) activities aimed at reducing or eliminating barriers to increased CCP utilization.
- **Abandoned Mine Land Restoration** – In cooperation with state and federal partners, the focus of this program is to restore natural conditions to abandoned mine lands with the following environmental benefits: sequestering CO₂ via reforestation; reducing acid mine drainage and improving water quality; and developing wildlife habitat. At this time, we are concentrating on formation of an umbrella group of power generators led by EEI, EPRI and other interested parties to learn more about opportunities and to evaluate potential projects. We will schedule an introductory meeting with interested parties during late summer or early fall.