

Arbor Day Celebration 2016

To help celebrate National Arbor Day, trees are being planted today all across Coal City! In the wake of the devastating tornado last summer, thousands of trees were lost. Several local partners have joined together to help make Coal City GREEN again! The trees planted in the tornado destroyed neighborhoods can now begin to rise up & bring new life to the city streets.

Trees are very important in our community and our environment. Check out the back of this flyer for just how special trees are. The trees planted today will provide countless benefits to your community & the environment for many years to come! Be sure to watch your tree grow over the years! Every year as the tree grows, the environmental benefits that it provides will grow as well.

Please take a moment to thank these local partners who made this Arbor Day Celebration possible:

Spring Grove Nursery
iTrees.com
ComEd
Davey Resource Group
Lewis Tree
Village of Coal City



For more info on how you can grow GREEN in Coal City, ask about the **CommuniTrees Partner Program** with Spring Grove Nursery & iTrees.com
815.448.2138

Cool Facts about Trees...

Arbor Day was founded by J. Sterling Morton in 1872 and is celebrated every spring around the world!

The trees planted today in Coal City neighborhoods will provide these benefits each year:

<u>Year 1</u>	<u>\$12 Annual Benefits</u> Eliminate 74 gallons of storm water runoff Conserve 20 kilowatt/hours energy from cooling effects of shade Reduce Carbon in the atmosphere by 54 pounds
<u>Year 5</u>	<u>\$68 Annual Benefits</u> Eliminate 517 gallons of storm water runoff Conserve 94 kilowatt/hours energy from cooling effects of shade Reduce Carbon in the atmosphere by 294 pounds
<u>Year 10</u>	<u>\$149 Annual Benefits</u> Eliminate 1,278 gallons of storm water runoff Conserve 208 kilowatt/hours energy from cooling effects of shade Reduce Carbon in the atmosphere by 725 pounds
<u>Year 20</u>	<u>\$241 Annual Benefits</u> Eliminate 2,867 gallons of storm water runoff Conserve 284 kilowatt/hours energy from cooling effects of shade Reduce Carbon in the atmosphere by 1090 pounds

That's over **\$18,310** in benefits to your community over the tree's lifetime, **306,029 gallons** of storm water runoff eliminated, **25,600 kilowatt/hours** of energy conserved, and **97,224 lbs** of carbon reduced in our atmosphere! That's all from just the one tree planted today!

What an easy way to make a big difference in our environment!

Here are some other interesting facts...

"The net cooling effect of a young, healthy tree is equivalent to **ten** room-size air conditioners operating 20 hours a day."—*U.S. Department of Agriculture*

"If you plant a tree today on the west side of your home, in 5 years your energy bills should be 3% less. In 15 years the savings will be nearly 12%." —*Dr. E. Greg McPherson, Center for Urban Forest Research*

"One acre of forest absorbs six tons of carbon dioxide and puts out four tons of oxygen. This is enough to meet the annual needs of 18 people."—*U.S. Department of Agriculture*

"In laboratory research, visual exposure to settings with trees has produced significant recovery from stress within five minutes, as indicated by changes in blood pressure and muscle tension."—*Dr. Roger S. Ulrich Texas A&M University*