

ALLIED NEWS

Bringing Our Family Together

Watts Bar Unit 2 Is Complete.

The Tennessee Valley Authority is celebrating 43 years of hard work and determination.

In 1973, the Tennessee Valley Authority, one of the nation's largest public power providers, began building two reactors that promised to generate enough power to light up 1.3 million homes. When the TVA first proposed Watts Bar, the US nuclear energy was in the midst of a golden age as scores of nuclear reactors received regulatory approval during the 1970s. Faced with rising costs in the US -- as well as the public's growing anti-nuke sentiment by the late 1970's -- TVA had little choice but to suspend plans for the second Watts Bar reactor in the late 1980s. The first reactor at Watts Bar was delayed by design issues and went live in 1996. Watts Bar 2, is the first US reactor to enter commercial operation in over 20 years. The \$4.7 billion capital construction project was completed on budget. The unit now moves to working asset status and has finally started sending power to homes and businesses.

"TVA's mission is to make life better in the Valley by providing reliable, low-cost energy, protecting our area's natural resources and working to attract business and growth—all priorities simultaneously supported by the completion of Watts Bar Unit 2," said Bill Johnson, TVA president and CEO.

The TVA, which today serves seven different southern states, relies on nuclear power to light up approximately 4.5 million homes. Watts Bar Unit 2, near Spring City, Tenn., has already provided consumers across the Valley with more than 500 million kilowatt/hours of carbon-free energy during testing. It now joins six other operating TVA nuclear units to supply more than one third of the region's generating capacity, and meeting the electric needs of more than 4.5 million homes.



Watts Bar, Sequoyah and Browns Ferry nuclear stations have also contributed to reducing TVA's carbon emissions by 30 percent since 2005, a reduction that will rise to 60 percent by 2020. "Nuclear power remains the only source of carbon-free energy that is available 24 hours a day, seven days a week," said Joe Grimes, TVA executive vice president of generation and chief nuclear officer. "TVA believes that Watts Bar Unit 2, and other nuclear units like it across the Valley and the nation, represents a vital investment in our clean energy future."

"TVA's mission is to make life better in the valley...."

The Tennessee Valley Authority is a corporate agency of the United States that provides electricity for business customers and local power distributors serving more than 9 million people in parts of seven southeastern states. TVA receives no taxpayer funding, deriving virtually all of its revenues from sales of electricity. In addition to operating and investing its revenues in its electric system, TVA provides flood control, navigation and land management for the Tennessee River system and assists local power companies and state and local governments with economic development and job creation.

Bellefonte Has Found A Buyer

On November 14, 2016, the Tennessee Valley Authority announced the sale of the 1,400 acre Bellefonte property, near Hollywood, Alabama, to Nuclear Development, LLC for the purchase price of \$111 million. The sale concludes a six-month competitive auction process designed to promote job creation and investment in northeast Alabama.

“Our primary goal in selling the site is to provide the best long-term economic return to the surrounding communities and the people of the Tennessee Valley,” says Jim Chardos, TVA Bellefonte plant manager and a 22-year plant employee. “Each bidder needed to provide an end-use and investment plan to demonstrate that they can do just that — promote economic investment in the area.”



Nuclear Development, LLC proposes to complete the Bellefonte Nuclear Power Plant. TVA set the property’s minimum auction price as \$36.4 million. Concentric Advisors marketed the property to more than 500 potential buyers with 11 expressing an interest and signing confidentiality agreements for further discussions. Three bidders completed Letters of Intent which included financial qualifications and a plan on how they intend to use the property.

As part of the deal, TVA requires Nuclear Development, LLC to make a \$25 million minimum investment in the Bellefonte property during the five-year period following the closing. This minimum investment will promote economic development activities in Jackson County, Ala. TVA announced the sale earlier this summer saying it no longer needed the nuclear plant site to meet future baseload power needs. Nuclear Development, LLC has up to two years to close on the property. Until then, TVA will maintain the site.

In NRC News

NRC Completes Safety Review of Proposed New Reactors at Turkey Point Site In Florida
 The Nuclear Regulatory Commission staff has completed its Final Safety Evaluation Report for Combined Licenses (COL) for two proposed reactors at the Turkey Point site near Homestead, Fla. The report concludes there are no safety aspects that would preclude issuing the license for construction and operation of the proposed reactors, adjacent to two operating reactors approximately 40 miles south of Miami. The staff will provide the report and Final Environmental Impact Statement on the Turkey Point application to the Commission for the mandatory hearing phase of the licensing process. In the mandatory hearing, expected to take place early next year, the Commission will examine whether the staff’s review supports the findings necessary to issue a license. Following the mandatory hearing, the Commission will vote on whether to authorize the staff to issue the license. Florida Power & Light submitted its COL application for Turkey Point on June 30, 2009, for permission to build and operate two AP1000 nuclear reactors at the site. The NRC certified the amended 1,100-megawatt AP1000 design in 2012. More information on the certification process is available on the NRC website. The NRC’s Advisory Committee on Reactor Safeguards independently reviewed those aspects of the Turkey Point application that concern safety. The committee provided the results of its review to the Commission on Sept. 16, 2016. The NRC completed its environmental review and issued the final impact statement for the proposed Turkey Point reactors earlier this month.

Community Involvement



Allied Technical Resources, Inc.'s employee, Darcy Brown, volunteered at the VRLGA's (Verdict Ridge Ladies Golf Association) Breast Cancer & Domestic Violence Fundraiser held on Sunday, October 2nd. Allied Technical Resources, Inc. contributed to this wonderful event, which raised \$8,000 for both Amy's House of Lincolnton, NC and the Avon Foundation.



Amy's house provides alternative living and educational resources to victims of domestic abuse. The Avon Foundation leads efforts to eradicate breast cancer through the Avon Breast Cancer Crusade, and to end domestic and gender violence through the *Avon Speak Out Against Domestic Violence* program. Allied Technical Resources, Inc. is pleased to be involved in such a wonderful community event. Thanks for your hard work Darcy!



Allied Technical Resources, Inc. had the pleasure of being able to support the United Way by participating in a benefit golf tournament.

Russell Dunlap and Bill Matthews represented Allied Technical Resources, Inc. at the Catawba United Way Golf Tournament last month. Picture from Left to Right is Bryan Amsted, Ray Kayler and Russell Dunlap. Bill Matthews took the photograph.

Thanks for your support of the Catawba United Way!



Tell Us About Yourself

If you are an employee of Allied Technical Resources, Inc. or Allied Specialty Resources, LLC. and have a unique story or talent, we want to know about it! Send us a letter describing what type of talent, event or activity you are involved in and you may see your story in the newsletter! Send emails to janiceduncan@alltechres.com

TREE, LIGHTING AND LADDER SAFETY REMINDERS

Whether you decide to use an artificial or real tree this year, here are some reminders to help make your holiday safer.

If using a natural tree, make sure it is well watered to avoid dry branches from catching fire from the heat of light bulbs. Do not use candles or fireplaces near a natural tree. If you use an artificial tree, choose one that is tested and labeled as fire resistant. Artificial trees with built-in electrical systems should have the Underwriters Laboratory (UL) label. Avoid placing breakable tree ornaments or ones with small, detachable parts on lower branches where small children or pets can reach them.

Only use outdoor rated lights for outdoor decorating. Look for the UL label indicating the rating. Check lights for broken or cracked sockets, frayed or bare wires, and loose connections. Do not use a light string with any of these defects. Replace or repair any damaged or missing bulbs before using a light string. No more than three light sets should be used on any one extension cord. Extension cords should be placed against the wall to avoid tripping hazards, but do not run cords under rugs, around furniture legs or across doorways. Turn off all lights on trees and decorations when you go to bed or leave the house. Unplug extension cords when not in use.



When putting up holiday decorations, always use the proper step stool or ladder to reach high places. Don't stand on chairs, desks or other furniture. If you have to use a step ladder near a doorway, lock or barricade the door and post signs so no one will open it and knock you off the ladder. A straight or extension ladder should be placed one foot away from the surface it rests against for every four feet of ladder height.

When you climb, always face the ladder and grip the rungs to climb – not the side rails. Always keep three points of contact on the ladder whether two hands and one foot, or two feet and one hand. When climbing, keep your hips between the side rails and do not lean too far or overreach. Reposition the ladder closer to the work instead. Use ladders with slip-resistant feet and wear clean, dry and slip-resistant shoes when climbing a ladder. When using ladders outdoors, get down immediately if high winds, rain, snow or other inclement weather begins.



Engaging Trivia

There was a 3 way tie for the previous quarter trivia question. David Grubbs was the winner of the 3rd quarter trivia question. He received a \$25 gift card!! Congrats David!

When the V.C. Summer Unit 3 containment vessel is completed it will weigh 8,000,000 POUNDS (4000 TONS).

Fourth Quarter Trivia Question

The **Tennessee Valley Authority (TVA)** was created by a congressional charter on May 18, 1933 to provide many things for the people of the Tennessee Valley, an area greatly effected by the Great Depression. Which one of theses things was not provided by TVA?

- A. Electricity B. Fertilizer Manufacturing C. Navigation D. Flood Control E. Textile Mills

Please send your answer via email to janiceduncan@alltechres.com by December 20, 2016, to be entered into the drawing to win a \$25 gift card. Please include "Trivia Answer" in the subject line and include your name. In the case of a tie, names will be put in a hat and we will pick one winner.

**Winners names will be published in the following quarter publication of the newsletter. By submitting an answer, you are giving permission to Allied Technical Resources, Inc. to publish your name as a winner in the following newsletter.