

S.T. COTTER
TURBINE SERVICES,
INCORPORATED

HIGHLIGHTS IN
THIS ADDITION:

- **Basin Electric Relies on Skill and Ability**
- **Tri-State— One Company Many Needs**
- **Truly “Complete Turn Key”**
- **VP’s Corner— From a Different Angle**
- **CFO’s Cliff Notes**
- **Xcel Energy— Making it Spin a little Smoother!**
- **Making it Better Than New - at 3M**

Turbine Tribune

VOLUME 2, ISSUE 1

SPRING EDITION

Basin Electric Power Cooperative—Calls for Skill and Ability

Basin Electric Power Cooperative (BEPC) a North Dakota utility has plants across the great plains states. One plant in Stanton, ND is Leland Olds Generating Station (LOS). At LOS S.T. CTS has performed inspections on equipment during routine outages on both main turbines as well as boiler feed pump turbines. Recently S.T. CTS, Inc was awarded a fall retro fit on LOS’s BBC steam turbine. This retro fit will increase efficiency and extend the life of the LP section of the turbine.

BEPC made the easy decision to utilize S.T. CTS, Inc on this and past projects due to the high skill level and competency of the supervision that we have. Another key factor is the top notch management and quality tooling that makes the work on site even easier. With a spotless safety record and proactive quality management, outages run smoother and BEPC is able to track costs and outage dates to meet tough schedules and complete outages on time and on budget.



Basin Electric is a regional wholesale electric generation and transmission cooperative serving more than 120 member systems. These member systems provide power and services to more than 2.6 million consumers in nine states.

Tri-State-Many Needs —One Company

Tri-State Generation and Transmission called upon S.T. CTS, Inc to perform site support services at two combustion turbine sites in Colorado and New Mexico.

S.T. CTS was contracted to perform modifications and maintenance on 2 GE LM-6000 combustion turbines in Lordsburg, NM and maintenance on 2 GE

7EA combustion turbines in Colorado near Brighton, CO.

This is another prime example of S.T. Cotter stepping up and coming through with support in a short time frame.

“S.T. Cotter was able to work side by side with our employees and complete the work in the time frame and under the budget”

Tri-State Generation and Transmission Association is a wholesale Electrical power supplier owned by 44 electric cooperatives that it serves. Tri-State generates and transports electricity to its members throughout a 250,000 square mile service territory across Colorado, Nebraska, New Mexico and Wyoming.



IBM— Not Just a “Normal” Inspection



This small industrial turbine turns a chiller.

While reviewing a governor installation RFQ, the management team at S.T. CTS, Inc asked the simple question, “When was the last time the turbine was inspected?” Well as it turns out never.

S.T. Cotter performed a complete inspection and controls upgrade on a Murray steam turbine at the IBM facility in Rochester, MN. Upon inspecting the steam path it was noticed that a last stage blade had broken loose from the disc and was on its way

out. Below is a before picture, this rotor was completely blasted and NDE'd. A new row of blades was installed and low speed balance was completed. The units were started without incident and ran flawlessly.



From a Different Angle



Mike is always quick with a positive response and a productive idea.

Is it me or has the first quarter completely flown by. After returning from a trip from Houston, TX to complete a podcast with Industrial Info, on the topic of who is S.T. Cotter Turbine Services? I couldn't help but think about the fact that we are having a pretty good year regardless of what the Dow Jones Industrial Average is doing. By spending money on our marketing activities now, we are getting three times the bang for our buck, as apposed to when times are great and everyone is advertising. I am proud to be part of an organization that has a plan in place and implements it's no matter what the market conditions are. When most companies are pulling back on their marketing efforts and cutting back on workforce and sales staff, we are still out in front of people, continuing on our path towards success at trying to be the best woman owned complete turnkey service provider available.

We are currently managing several Turbine overhauls, valve overhauls and inspections this spring as well as adding projects for the fall of 2009. We are signing agreements with several OEM's and Utilities, on a weekly basis. which reminds me that we control our own destiny, and we are not dictated by the contraction or capitulation within the industry or the broader economy. We plan on speaking with several industries going forward about being able to help them out in the same way that we have

helped our other Manufacturing, Paper, Power, and Refinery customers over the past few years. What sets good companies apart from average companies is how well they do in the tough times, when the water is rough or the economic conditions are unknown; because quite frankly anyone can do well for themselves when the water is calm and there is a pot of gold at the end of every rainbow.

While wholesaling mutual funds for ING immediately after 9/11 everyone was very afraid of getting back into the market over fears of what would happen if we fell prey to another terrorist attack. Well, it was the people who got back in, and bought everything on sale that did well for themselves over the next several years. What I am trying to say, is that sometimes the lower priced company is the better option! Those are the facts and figures I want to look at, how well a company did when the times were tough. This is why we are able to perform such an outstanding job and provide our services at the price we can provide them at. Please feel free to listen to our podcast at www.industrialinfo.com and take some time out of your week to have me come by and pay you or your group a visit!

CFO's Cliff Notes



Our new Chief Financial Officer, Jennifer Anderson.

I am thrilled to have joined the S.T. Cotter Turbine Services, Inc team during first quarter. I have a well established business background and years as a Bank Officer as well as business marketing.

I have spent my first weeks becoming familiar with turbine services and maintenance. As well as customers and vendors. This is not something you can learn over night. I appreciate all the pa-

tience when you call to get a question answered and you get me. I have been digging into projects and ensuring I continue with what works and making improvements when necessary. I look forward to being a part of S.T. Cotter Turbine Services Inc. growth in the industry.

I hope to make contact with many of you in the near future to better understand how we can better serve each of you.

“This BFP turbine is running smoother than it ever has in 25 years”

Winters- 3M

Xcel Energy— Wilmarth Station Improved Spin on an Old Turbine

S.T. Cotter was awarded a major inspection and repair of the AC steam turbine at the Wilmarth Generating Station in Mankato, MN in the spring of '09. This inspection included a complete disassembly and repair of the steam path and support for testing and NDE done by Xcel Energy. This was another AC inspection in a long line of inspections that S.T. Cotter will be doing for customers this spring across the country.

S.T. Cotter utilized two **WOMAN OWNED** companies on this project, **Century Turbine Repair, LLC** and **Tex Blast**. All three companies have made a commitment to utilizing SBA and minority companies when ever possible and prudent.

This outage included major steam path repairs as well as alignment of the centerline. All were completed on budget and as *Victor Scharenbroch noted* “S.T. Cotter did a good job and the technical direction was excellent”

3M— Better Than New!

3M recently called upon S.T. Cotter to inspect a boiler feed pump turbine, but this project was slightly different than the other 100 BFP turbines that S.T. Cotter has done. This was small enough to be done in the service center owned by S.T. CTS. Supervision and craft rigged and removed the entire turbine built and shipped it to the Clearwater facility and once there disassembled,

cleaned NDE'd and advised 3M of repairs and the condition of the steam path. A complete audit of the steam path was completed and the work was performed by S.T. Cotter shop personnel.

The turbine was shipped back and optically alignment and started up by the customer and has been on line since.



3M is fundamentally a science-based company. We produce thousands of imaginative products, and we're a leader in scores of markets – from health care and highway safety to office products and optical films for LCD displays. Our success begins with our ability to apply our technologies – often in combination – to an endless array of real-world customer needs. Of course, all of this is made possible by the people of 3M and their singular commitment to make life easier and better for people around the world.



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***Nice work Shawn, it's encouraging to see service providers taking the
same proactive stance on training and safety that we do in our plants.***

Mike Klice Koch Industries, LLC

Upcoming Issue - Spring Look Ahead

In the upcoming issues we will talk about:

- Why do large clueless non-OEM's try to act like OEM's?
- What happens why clueless owners & management acquires privately owned companies?
- Why can S.T. Cotter be so good at this rotating machinery maintenance game?
- What happens when everything is cancelled!!!!!!!!!!!!!!!!!!!!