

Steam Engineering, Inc.



A
Northwest-Based
Company

**Providing Steam-Related Engineering, Full Service
Water Treatment, and Tech Support**

J. R. Simplot: Burner Upgrade Project Improves Performance and Saves Energy

- ◆ \$329,000 annual energy savings in Caldwell plant
- ◆ Full company energy efficiency improvements savings of 176,000 MMBtu per year
- ◆ Simple payback is less than 14 months

To reduce energy consumption and costs, the J.R. Simplot Company completed a project in 2003 that increased the efficiency of the steam system at its potato processing plant in Caldwell, Idaho. The project was based on an evaluation, performed using the **Steam System Assessment Tool (SSAT)**, by Bill Moir, a Qualified Specialist with **Steam Engineering, Inc.** The SSAT was developed for DOE's BestPractices.

The Caldwell plant improvements are saving 52,000 MMBtu and 526,000 kWh annually. Energy and maintenance cost savings total \$329,000 per year. Since total project costs were \$373,000, the simple payback is less than 14 months. Similar efficiency measures were replicated at other Simplot facilities, following analyses conducted using the **SSAT**. Those energy efficiency improvements are yielding natural gas savings of 176,000 MMBtu per year.

To read the complete case study, visit <http://www1.eere.energy.gov/industry/bestpractices/pdfs/simplot.pdf>.

For more information on how your company could benefit from similar improvements, contact **Steam Engineering, Inc.** at **800-346-6152** or info@steamengineering.com.

Find out how your company can qualify for a **FREE Fuel Savings Analysis** for your specific operation.

Reduce Operating Costs & Increase Profits:

- ◆ **Reduce Fuel Use**
 - Optimize Combustion Control
 - Stop Steam & Condensate Leaks
 - Increase Condensate Return
 - Recover Blowdown & Flash Steam Heat
 - Recover Boiler Stack Waste Heat
- ◆ **Reduce Boiler & Cooling Tower Chemical Use**
 - Pretreat Makeup Water
 - Reduce Chemical Use
 - Automate Boiler Chemical Treatment
- ◆ **Reduce Repair & Maintenance**
- ◆ **Improve Environmental Compliance**

<http://www.steamengineering.com>

204 NE 117th Avenue
Vancouver, WA 98684
800-346-6152
360-260-8655

Fax: 360-260-3820
info@steamengineering.com

Let our team of specialists help you solve steam-related challenges.