



ACRESTA CASE STUDY—CARBONVIEW

PEABODY ENERGY

STREAMLINING THE CARBON REPORTING PROCESS FOR EFFECTIVE EMISSIONS MANAGEMENT

CARBON MANAGEMENT AT PEABODY ENERGY AUSTRALIA

The Australian National Greenhouse and Energy Reporting System Act (NGERS) requires many companies to develop strict carbon reporting processes on top of the many other environmental and economic reporting processes they already have in place. Peabody Energy Australia is one such company.

Peabody Energy selected Acresta, owner and developer of CarbonView to assist in this process and satisfy their need for a fully auditable carbon accounting and management system to help them achieve their goals.

ABOUT PEABODY ENERGY

Peabody Energy is the world's largest private-sector coal company, serving 330 customers on six continents. In 2009, Peabody shipped 256 million tons of coal, fuelling two percent of the world's electricity generation. Peabody Energy operates eight mines on the east coast of Australia, a significant proportion of its 30 operations worldwide.

Peabody Energy, like many energy companies, is responding to the new regulatory and stakeholder requirements relating to climate change in general and greenhouse gas emissions in particular. Australia has implemented the world's broadest mandatory reporting scheme and other countries are following suit with new legislation being reviewed in the United States and Europe.

CARBONVIEW AT PEABODY ENERGY

Peabody Energy was using a completely manual data collection system, consisting of Excel spreadsheets, to compile and verify their carbon data—a timely and laborious process. The compilation of this data involved sending large spreadsheets with multiple tabs to each site, individuals at each site then filling in the required data and having the sheets returned to head office. The carbon emissions from mining are complicated and require multiple data inputs to make calculations. This in turn required that data be checked and verified against the NGERS calculations at Peabody Energy's head office to ensure that the reports submitted to the government were correct.

After using this system for the first year of reporting under NGERS, Peabody Energy decided that they required a more streamlined approach to their carbon management and NGERS reporting responsibilities.

As a result, Peabody Energy selected CarbonView as the carbon management solution to roll out across their mining operations in Australia.



“AS A RESULT OF
IMPLEMENTING
CARBONVIEW, PEABODY
HAS BEEN ABLE TO
SUCCESSFULLY STREAMLINE
ITS CARBON MANAGEMENT
PROCESS ACROSS ALL
AUSTRALIAN MINES.”

ALEXANDRA NEELS
MANAGER ENERGY & EMISSIONS
PEABODY ENERGY AUSTRALIA

BENEFITS FOR PEABODY ENERGY

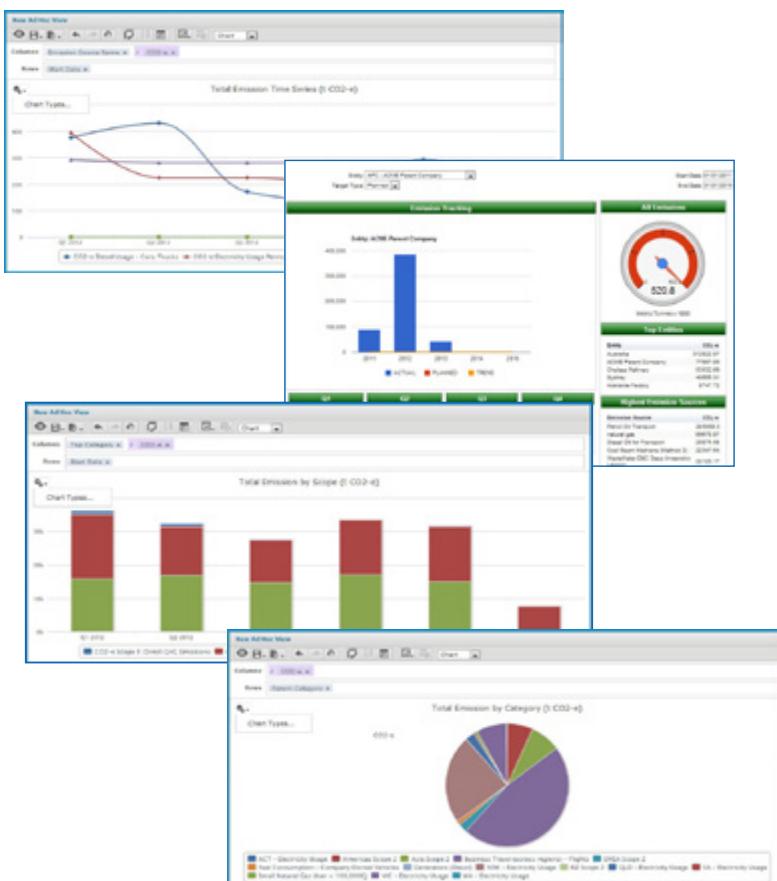
The implementation of CarbonView has enabled Peabody Energy to:

- Ensure that the acquisition of data is easier and more robust, without the need for spreadsheets and manual calculations.
- Improve the quality of data and eliminate manual error.
- Maintain a true audit trail with supporting documentation.
- Accurately measure ALL carbon emissions.
- Manage carbon emissions across international regions with different carbon emission calculations.

CARBONVIEW

- Enables businesses to manage emissions in relation to other business metrics so that emissions are lowered profitably.
- Takes away complexities associated with carbon standards and provides a business view into managing emissions.
- Supports distributed data entry, including secure and controlled external data entry, to reduce data collection efforts.
- Helps lower the cost of third party audits and simplifies reporting to standards bodies.
- Lowers your total cost of ownership as a hosted solution with no additional system or third party software requirements.

SAMPLE DYNAMIC REPORTS



THE CASE FOR CARBON MANAGEMENT AT PEABODY ENERGY

- COMPLIANCE WITH NGERS REPORTING REQUIREMENTS
- SIMPLIFIED DATA ACQUISITION
- REDUCTION IN MANUAL DATA ENTRY ERROR
- GREATER UNDERSTANDING OF THE COMPANY'S GHG EMISSIONS

