Fort Carson - Rapid Deployment of a GHG Managment Solution

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The US Army selected Ft. Carson for an evaluation of its GHG inventory and footprint. Named in honor of Brigadier General Kit Carson, Ft. Carson is a U.S. Army installation located immediately south of Colorado Springs, Colorado and home of the Second, Third Brigade and 4th Combat Teams of the 4th Infantry Division, the 10th Special Forces Group, the 71st Ordnance Group and the 43rd Area Support Group.

Like every other government agency and military installation, Ft. Carson must measure and manage its GHG emissions for many reasons including Executive Order (EO) 13423.

Ft. Carson was the ideal installation for this project because of its location, community concerns, political factors, and state regulatory oversight. And, because Ft. Carson had Enviance as the EMIS in place for its air program management, extending the system to GHG would be seamless and cost-effective.

Using the World Resources Institute GHG Protocols, Enviance and Ft. Carson developed a comprehensive model for direct and indirect emission sources in less than 6 months.

Instead of developing another system requiring its own care and maintenance, Ft. Carson took advantage of its ongoing modernization effort to demonstrate how a unified, Internet-based information system, like Enviance, could make management of this complex issue painless and efficient.

Ft. Carson can also use their GHG results to assess the impact of troop growth through BRAC and Grow The Army (GTA) initiatives, and to develop scenarios for estimating the increase or decrease in GHG emissions associated with large scale troop changes. Real, actionable intelligence gives Army leadership the ability to successfully meet their target – regardless of the changes experienced.

As a result of the evaluation, Ft. Carson now has an accurate, real-time view of its GHG footprint – allowing the Army to achieve a level of confidence and knowledge which can be applied to other Army installations. Because of the visibility into GHG emissions, Ft. Carson can develop a strategy based on accurate GHG emission metrics and provide a baseline upon which to measure future progress.

Now that Ft. Carson has a baseline of its 2007 GHG footprint, it has advantages that no other Army installation has, including the ability to:

- Set fact-based targets to support EO 13423 compliance
- Determine the impact of troop and family growth on energy and GHG reduction programs
- Evaluate and improve emission source infrastructure
- Gauge alternative energy programs and sources
- Assess future sequestration projects to help offset overall GHG emissions

> Subscribing to the adage, "what gets measured, gets managed," this project and its subsequent rollout allows the Army to understand individual installation challenges and their overall impact on the Army.

Because the initial GHG evaluation included standard calculations and templates for common emission sources including boilers, heaters, and vehicles, the Army can compare the results to other installations. This comparison can be used to assess emission reduction options and to drive efforts at installations that would realize the greatest benefits.

With its GHG solution, Enviance provides: *consistent reporting; a standard library of emissions factors used in calculations; standard calculations; and a "Templatable" process applicable from installation to installation.*

Commanders now have a tool that allows them to realistically plan for changes to installation emissions, as well as weigh emissions reduction and resource conservation opportunities.

ABOUT ENVIANCE: Enviance is the leading provider of Environmental ERP software. With more than a decade of experience providing environmental data management and expertise, Enviance's proven system is used by the world's largest corporations and government agencies including American Electric Power, Arch Coal, Chevron, CH2M Hill, Dimension Data, DuPont, Freescale Semiconductor, Fujifilm, Georgia-Pacific, Los Angeles World Airports, Pfizer, Syngenta, and the U.S. Army.

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