

CH2M HILL walks the environmental talk with HP devices, Managed Print Services



“At CH2M HILL, we do a lot of environmental cleanup projects, so we want to walk the talk. HP’s environmental vision is very similar to ours. HP solutions help us meet the environmental goals we set every year for our company.”

—Rhonda Carlson, IT Manager, CH2M HILL Companies, Ltd., Denver

HP customer case study: CH2M HILL uses HP Managed Print Services for operational efficiency, environmental responsibility

Industry: Engineering procurement, construction and operations

Objective:

Meet environmental and business goals through partnership with environmentally conscious vendor

Approach:

Deploy HP Managed Print Services and energy-efficient HP solutions including HP CM8060 Color MFP with Edgeline Technology

IT improvements:

- Reduce paper usage through duplex printing
- Reduce energy consumption
- Consolidate with multi-function devices
- Provide reliability and ease of use for employees

Business benefits:

- Meet internal environmental goals
- “Walk the talk” with customers
- Streamline printer fleet management
- Ensure operational efficiency



As a global leader in full-service engineering procurement, construction and operations, CH2M HILL delivers world-class expertise in program management, engineering solutions, construction management and operations, and maintenance. It provides innovative, sustainable and practical solutions to public and private clients around the world. Its projects range from helping the U.S. Departments of Energy and Defense clean up nuclear and hazardous waste to supporting water and transportation programs in Egypt and the West Bank.

CH2M HILL’s internal environmental practices are equally rigorous. In 2007 alone, the company realized environmental goals equivalent to saving 4,315 trees, powering 79 homes for a year and taking 98 cars off the road for a year. A key partner in this effort is HP. An HP Managed Print Services customer, CH2M HILL

takes full advantage of HP's commitment to environmental responsibility.

"HP's environmental vision is very similar to ours," says Rhonda Carlson, CH2M HILL IT Manager. "We want to do everything we can to reduce our impact, and in HP we find a supplier that fully supports both our environmental and business goals."

CH2M HILL was founded in 1946 in Corvallis, Ore. — home also of one of HP's sites. Indeed, engineers often moved between the two companies, which have remained closely aligned. A user of HP Managed Print Services (MPS) since the program began, CH2M HILL originally used the service merely to ensure that company printers ran reliably for operational efficiency. Break-fix, supplies and repairs are still critical MPS services for CH2M HILL, but the advantages it gains from the program have expanded to include streamlined procurement processes and deployment of equipment designed with the environment in mind.

CH2M HILL: a global leader in sustainability

CH2M HILL is an employee-owned company with more than 24,000 workers delivering projects on six continents. Its contributions on behalf of clients to sustainability include wastewater treatment plants, power plants and solid waste management systems from Abu Dhabi to New Zealand. Internally, the company strives to reduce its own environmental footprint through a Facilities Environmental Management System (EMS). The EMS Team covers North American operations and includes representatives from each major administrative unit: Facilities and Operations, Procurement, Fleet and Travel, Publications, Information Technology, Real

Estate, and Health, Safety, Environment, and Quality. Virtually all these functional areas see benefits from HP Managed Print Services and HP imaging and printing solutions.

"We do a lot of environmental cleanup projects, so we want to walk the talk," says Carlson. "What's powerful about our EMS Team is that it draws from the various functional groups, the people in the field who can really see what the impacts are where the work happens."

An optimized HP printer fleet

HP Managed Print Services oversees maintenance, repair and supplies for all of CH2M HILL's high-volume devices in North America. The HP LaserJet 9040 Printers and MFPs provide network-ready, reliable black-and-white printing with advanced finishing options and automatic duplexing, copying and scan-to-e-mail. The HP Color LaserJet 5550 Printer provides high-quality color printing in sizes up to 11 x 17". For CAD drawings, the company uses the HP Designjet 4000, which offers high-speed color and black-and-white printing up to 42 inches wide, with outstanding line accuracy, image quality and remote printer management.

One of CH2M's newest HP devices, the HP CM8060 Color MFP with Edgeline Technology, was designed with environmentally friendly features. The HP CM8060 Color MFP delivers outstanding quality at low operational cost. Its multifunctional copy, scan, fax and print capabilities reduce the need for multiple machines. Moving from single-function devices to MFPs can save upwards of 40 percent in energy costs. The CM8060 MFP device meets requirements for ENERGY STAR® qualification, it comes packed in a reusable

Customer solution at a glance

Primary applications

Business convenience printing, CAD drawings

Primary hardware

- HP CM8060 Color MFP with Edgeline Technology
- HP LaserJet 9040 Printer
- HP LaserJet 9040mfp
- HP LaserJet M2727 MFP
- HP Color LaserJet 5550 Printer
- HP Designjet 4000 Printer

Primary software

- HP Web Jetadmin

HP Services

- HP Managed Print Services

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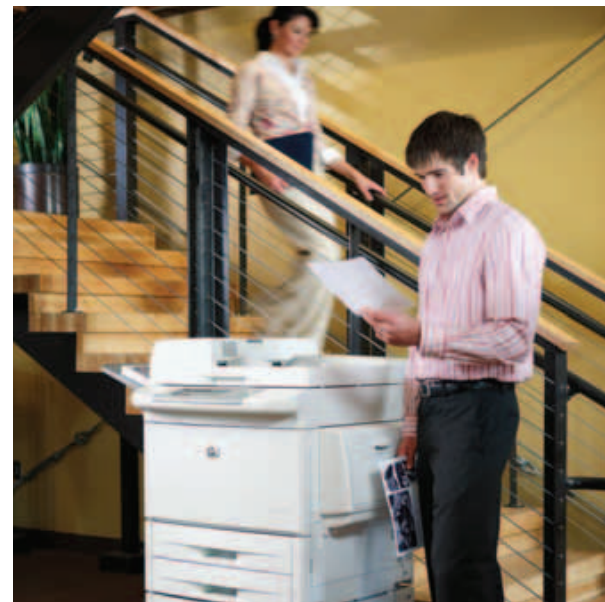
Kevin Crader, Co-leader, EMS Team, CH2M HILL Companies, Ltd., Denver

wooden crate, and the print cartridges are recyclable. Using HP Web Jetadmin, the devices can be powered off at night to save energy. What’s more, the HP CM8060 Color MFP’s automatic duplexing capabilities and reduced energy consumption are key tools in CH2M HILL’s strategy against waste.

“The HP CM8060 Color MFP is an outstanding product. The quality is superb, it’s fast, and the usability is great,” says IT Manager Carlson. “We have two so far, and we can replace three machines with one of these devices helping to save energy and office space. What’s more, the duplexing capabilities are a great benefit to our paper-reduction drive.”

As co-leader of CH2M HILL’s IT representation on the EMS Team, Kevin Crader sees the HP MFPs as a valuable tool in meeting environmental goals and printing smart. “We really had a strong campaign this year to make people aware of duplex printing and having that set as your default,” he says. “We try to take full advantage of the MFP options so employees can put more thought into their daily business practices. Do I really need to print this job or just scan and save? How many copies do I really need?”

As a result of all this, CH2M HILL in 2007 saw a 22 percent increase in duplex printing at the same time paper usage dropped 23 percent per person—or by four metric tonnes that year. Currently, the company



aims to reduce paper use another 5 percent, increase recycled paper to 78 percent of paper purchased, reduce energy consumption by 5 percent at the Denver headquarters, increase the availability of electronics recycling to 85 percent of all U.S. offices, reduce the square footage per employee by 5 percent through teleworking, and create a new part-time teleworking program.

HP is there all the way. In its real-estate reduction effort, CH2M HILL has equipped teleworkers with the HP LaserJet M2727 MFP, a reliable device demonstrating fast speeds, value-featured networking, power-saving features and duplex printing. The ability to standardize equipment across offices also saves floor space, eliminating the need to stockpile supplies for differing models. The company recycles ink and toner cartridges through the HP Planet Partners printing supplies return and recycling program. As an HP PurchaseEdge participant, CH2M HILL may apply Planet Partners recycling points toward free HP products. The company also has HP Web Jetadmin peripheral management software that when fully deployed will make it easy to schedule device sleep and wakeup modes to reduce energy usage and costs. Web Jetadmin also reports on duplex rates, an important factor when measuring success in environmental efforts.



Recently, HP partnered with CH2M HILL in a special electronics take-back event in which CH2M HILL employees were encouraged to bring in their home electronics for recycling. The event was so successful they loaded 20 palettes on a truck for recycling. "It set a precedent and hopefully it's something we'll be able to do every year," says Lisa Dunkin, co-leader of CH2M HILL's IT representation on the EMS Team. Dunkin's co-leader Crader also cites HP's attention to environmentally conscious product design and packaging. "Power consumption is always an issue. So is product profile—reducing them in size, using fewer materials and packaging. That is a big challenge we face with our vendors; there's so much waste in the packaging, so much Styrofoam. In contrast, HP ships some of its products in reusable wooden crates."

CH2M HILL's MPS contract calls for four-hour onsite response time. But that doesn't even begin to tell the story. The relationship has evolved from its simple maintenance and repair roots to an ongoing multi-dimensional collaboration, says IT Manager Carlson. CH2M HILL meets with its HP single point of contact every six months to review service statistics—bringing valuable visibility to the installed equipment base. Other MPS advantages include easy access to highly

trained technicians, the ability to order supplies electronically, and end-user delight with equipment that's reliable, environmentally responsible and easy to use. In fact, Carlson says, environmental awareness has become an important employee recruitment tool.

"A major benefit of the HP MPS program is that you have a lot of visibility as to what's happening in your installed equipment base in terms of usage and service. Other advantages include highly trained technicians, the ability to order supplies electronically, and end-user ease with reliable equipment."

Rhonda Carlson, IT Manager, CH2M HILL Companies, Ltd., Denver

"We have a continuous feedback with HP," Carlson says. "The HP product teams come out to our offices to understand how we work, what we like about the products and ways to improve. It's great when a manufacturer takes your business and environmental concerns as their own, and makes improvements based on your recommendations. HP really understands what partnership is all about."

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