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Digest

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In This Issue:

CPW...

Adding

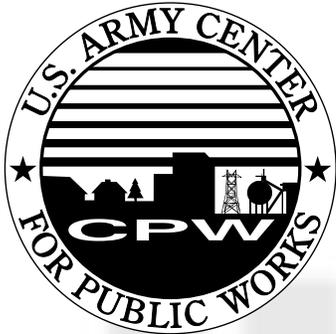
Value

to

Your

Resources





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CPW's 1997 Annual Report

- 1 1997 — Adding Value to Your Resources
by Edward T. Watling
- 2 CPW — Better buys for your dollars
- 3-4 Facilities Management — Do the Math!
- 4-5 Army Power Procurement Directorate — Your first stop on the road to
utilities privatization
- 6 Fulfilling your training needs
- 7 CPW Profile: Tony Vajda — DPW Management Division
- 8-9 SAV — Squeezing the nickel!
- 10-11 CPW Organizational Chart
- 12-13 HQEIS does the walking for you!
 - 13 Installation-EIS — Keeping track of your data
 - 14 IFS-M — We're not getting older, we're getting better!
- 15-16 Just DO It! — CPW's Engineers meet your challenges
 - 17 CPW Profile: Mike Dean — Pavements and Railroads Division
 - 18 CPW Profile: Malcolm McLeod — Sanitary and Chemical Division
- 19-21 249th Engineer battalion — Problem solvers trained and ready for any contingency
 - 21 Shaving millions from the peak — CPW's Prime Power Loan Program





1997—Adding Value to Your Resources



Of all the reports that came back to us from installation DPWs this year, the hardest hitting was a single phrase: "We can't spend a nickel to save five dollars." We at the Center for Public Works are doing our best every day to find that nickel—to save you not just five dollars, but dollars in increments of fifty, five hundred, five thousand, fifty thousand or even more. We help you in every way we can—to avoid costs, shrink your labor burden, save you money, or even increase the reimbursables returning to your budget.

We're happy to report to you that once again this year we added millions in value to your hard work, and your literally heroic staff efforts, to keep installations sound, to improve your operations, and to enhance quality of life for our soldiers, their families and Army Civilians.

As our financial report for the year shows, you have entrusted us with an increasing amount of your installation RPMA business. We have made excellent use of new fiscal flexibilities available within the U.S. Army Corps of Engineers to serve your needs.

The Center has moved out with new tools that will empower you to revolutionize your effectiveness—business analysis tools like the Executive Information System (EIS). We are moving IFS-M into a client-server environment that will give you greater flexibility.

In the pages of this issue of the **Public Works Digest**, our Third Annual Report, you'll find news of a wide variety of ways we have assisted you in the past year. Part of operating in a more business-like way is telling you what we've done for you lately. But we don't do it just to polish up our reputation—we do it to let you know how we can serve you in the future. Look at our track record for last year. I hope you'll see it as a road map for excellent services in the year ahead! **PWD**

A handwritten signature in cursive script that reads "Edward T. Watling".

Edward T. Watling
Director



CPW— Better buys for your dollars

We know how careful our customers must be with their scarce resources. That's why it makes us doubly proud that you entrusted us with a significant share of your funds this year. Our efforts to buy you more and better services for your money must be paying off!

Reimbursables:

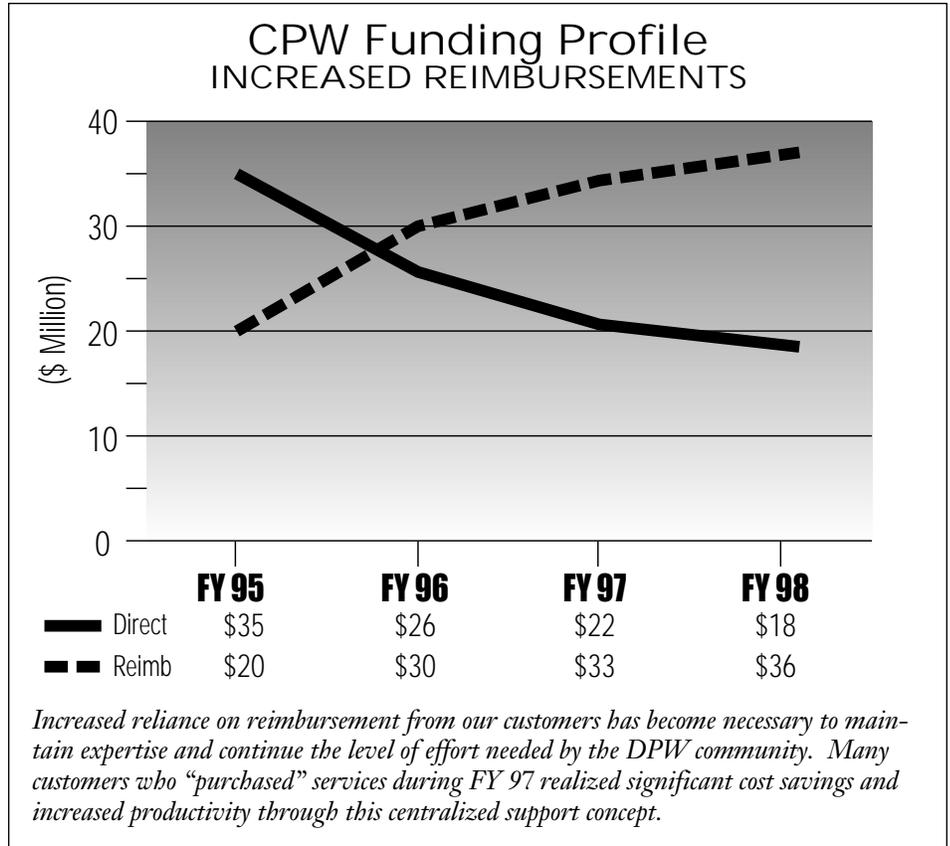
CPW received more than 600 incoming reimbursables from customers, worth \$33 million during FY 1997. More than \$10 million customer orders in support of DPWs arrived in September, helping installations execute year-end funds.

Project Orders and S&A Carryover:

The Center received a total of 38 project orders this year. With the help of legislation passed this year, we were also able to carry \$1.7 million in S&A funds over into fiscal year 1998. Thus, funds that would formerly have evaporated at year end, remain available to support your work in the new year.

Year-end support from USACE:

The Center also received outstanding support from U.S. Army Corps of



Engineers Headquarters in the form of \$1.3 million we were able to commit to high-priority unfinanced requirements in support of DPWs.

Expanded use of the revolving fund:

CPW has been empowered to use the U.S. Army Corps of Engineers Revolving Fund for more efficient business practices. These include collecting tuition for engineering and housing training courses, for conference and

workshop fees, and for maintenance and repair costs in the generator loan program. These efficiencies led to lower overhead costs in the resource management functions and timelier customer billings.

Delivery orders:

CPW holds a variety of IDIQ contracts available to installations. In Fiscal 1997, our customers placed 516 delivery orders against our contracts. **PWD**



Gail Nevitt is the friendly voice you hear when you call CPW's director Ed Watling.



Olivia Henry, CPW's IM, keeps our in-house computers up to the job of serving our customers.



Frank Schmid, Harry Goradia and Fidel Rodriguez survey another great year of Engineer missions accomplished.

Facilities Management— Do the Math!

Dozens of site visits, hundreds of pages of contracts, thousands of phone calls—it all adds up to a year of responsiveness to DPW needs by the CPW Facilities Management Directorate.

Burning up the wires: CPW Hotline support

To help you run the Army's automated systems, CPW keeps its hotlines up and running "24 / 7." Anytime, day or night, you can call in from around the world with problems and questions. We will solve them on the spot, unless they're impossible—that takes a little longer. Here's the record of our response to you in 1997:

Functional Hotline Workload— 2,373 calls

Computer Based Instruction	1
Functional	1,377
Policy	40
SQL	571
System	159
Other	225

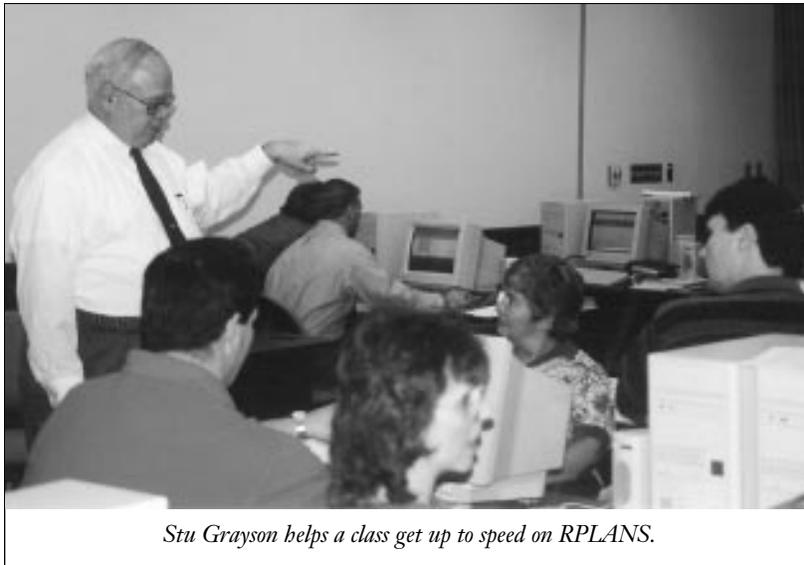
Technical Hotline Workload— 2,229 calls

Calls that took more than 120 minutes to resolve:	
Hardware/system software.....	108
Application software	116
Installation Change Package	7
Other	57

Making house calls

CPW sent management and systems consultants out on **47 site visits** to installations worldwide to deploy systems, help resolve training or systems problems, and to find the best way to employ systems capabilities for your benefit.

The Staff Assistance Visit program supported **24 site visits** only nine of which fit the mold of a "traditional" SAV. We are making use of this pro-



Stu Grayson helps a class get up to speed on RPLANS.

gram to fit your special installation needs. We brought back and completed **200 taskers** on behalf of DPWs around the Army.

Contracting experts achieve \$3 million cost-avoidance, and more

What didn't it cost you to reinvent the wheel this year? Our contracting support experts figure it's about three million dollars—and that's a whole lot of nickels! They supplied DPWs with many sample contracts and other documents to help you develop performance work statements and implement effective procedures. You can keep right on saving by consulting our Website to find sample PWSs in the on-line library.

The Center also helped three installations prepare PWSs for a year's RPMA work, contract for hard-to-recruit services like planner-estimators, system administrators, facilities inspectors, studies and analyses, ADPE maintenance and others.

Our JOC group put in a marathon year, executing **27 delivery orders worth \$384,546** in support of your JOC contracts. They answered **468 JOC Hotline calls**. CPW's services to JOC provide for production, maintenance, update and systems

management of the JOC technical documents and software.

Supply: getting it just right

You need it when you need it—but do you have to keep 10 widgets on hand, when you need one of them roughly every 18 months? Nobody thinks that's the way to run supply any more. Yet finding a way that doesn't leave you high and dry in an emergency, slow down your everyday operations, or open up vulnerabilities to poor management and

bad business is a very tough job.

CPW's resident supply gurus Scott Monaghan and Karl Thompson have helped many installations tailor solutions to local conditions and to Army initiatives this year. Whether they are on site in Panama, with its long supply lines, short-timer installation status, and international economy, or they're just at Fort Swampy, U.S.A., Monaghan and Thompson have found the right way through the jungle of supply regs and purchasing methods for you.

They have identified and resolved stock fund discrepancies amounting to a



Scott Monaghan and Karl Thompson exult over another victory on the supply side of DPW economics.



Brenda Moss and Rik Wiant—they see that you receive “Visions.”

total of **seven million dollars** at several installations.

They have helped you reduce your inventories and shop/bench stocks, and showed you how to take advantage of supplies available on the local economy to make up the difference. Their work has enabled you to waive recording demands on credit card Stock Fund by-pass items that are nonstocked, non-standard, and not catalogued. They have eliminated your need to use the Imprest Fund, expanded your ability to use the IMPAC credit card, and developed Memorandums of Agreement with STARFIARS-MOD and HSMS.

During the year, they have also worked to help implement the test base for the Prime Vendor initiative, which the Army hopes will create savings through economies of scale. They have also worked to change regulations and authorities to get more in line with current business practices.

Check the decimal points

Is that all the Facilities Management Directorate does for you? By no means. Add on plenty of technical documentation, the Activity Based Costing program that can help you analyze your real cost of doing business, our support to the Business Process Steering Committee, and the thousands of training days we have provided over the past year. Wherever there's a DPW staff member pulling overtime to untangle a problem, we are just a phone call away with help and effective savings! **PWD**

Army Power Procurement Directorate—Your first stop on the road to utilities privatization

1997 was a very busy and productive year for CPW's Army Power Procurement Office. This small office supports DPWs and installations worldwide in the acquisition and sale and privatization of utilities services for the Army.

The Director of Army Power Procurement assists the Chief of Engineers, who is the Army Power Procurement Officer (APPO), in developing unique policies and procedures relating to the acquisition and resale of utility services under Army Regulation 420-41, *Acquisition and Sales of Utility Services*. This document establishes the Army's basic policy and responsibilities for utilities acquisition and sales. It also designates CPW's Director of Army Power Procurement, USACPW, as the Deputy Army Power Procurement Officer, (DAPPO). He and his staff perform oversight functions designated as responsibilities for the APPO by delegation. The DAPPO also:

- Provides engineering and technical expertise.
- Assists installations in negotiations with utilities.
- Approves acquisition of utilities beyond a current fiscal year.
- Ensures compliance with the Federal Acquisition Regulation (FAR) system for the acquisition of utility services.

These are very important responsibilities because the Army anticipated that it spent **\$1.4 billion** in FY 97, and resold over \$200 million in utility services. This represents a significant portion of Army installations' O&M Budget.

The Army Power Procurement Office, in conjunction with the Army Regulatory Law Office, intervenes on behalf of the Army and the Federal

Government in state regulatory commission hearings. We are all aware that utilities' costs are increasing significantly. If the Army does not intervene in rate hearings, the Army makes a politically lucrative target to bear more than its fair share of rate increases. Thus, Army Power Procurement:

- Analyzes proposed rate increases.
- Compares proposed rate increase to cost base rate.
- Intervenes and contracts for expert witness testimony on its position, where economically justifiable.

Army rate interventions in 1997 resulted in a cost avoidance savings of over \$5 million, at a cost of only \$70,053 plus rate intervention team salaries and travel. This represents a leveraged cost avoidance savings of approximately twenty dollars saved to each dollar spent. The breakout is as follows:

Location	Annual	Total Savings
Maryland Gas (Meade & Aberdeen)	\$2,800,000	\$2,800,000
Maryland Gas	\$266,000	\$905,000
Georgia (Benning)	\$240,000	\$240,000
Colorado (Carson)	\$212,000	\$1,200,000
TOTALS	\$3,518,000	\$5,171,222

The DAPPO also serves as the Army Representative on the FAR Joint Committee on Utilities and the Defense Utilities Energy Coordinating Council (DUECC) Acquisition Committee, and provides oversight of the Army's DUECC regional and area boards. Army Power Procurement has been working with the DUECC and the electric utility industry to keep abreast of the latest developments in retail wheeling of electric power, so that Army installations may be in a good position to take advantage of any potential



cost savings that arise. In 1997, we have also been supporting the Army on the FAR Joint Committee in revising part 41 (Utilities) of the FAR to keep up with changes in the industry and to streamline the procurement process.

Through memorandums of agreement with AMC, FORSCOM, and TRADOC, the Army Power Procurement Office has assumed MACOM oversight responsibilities in addition to the similar oversight functions it was already performing for ISC, HSC, INSCOM, MTMC, USMA, AND SDC MACOMs, as well as the Defense Logistics Agency (DLA). These functions include:

1 Reviewing and approving rates or rate computations at least yearly for the sale of all utilities services available at installations within the command. (Army Power Procurement also publishes technical guidance on how to calculate resale rates.)

2 Technically approving the acquisition of all utility services with an estimated annual cost over \$250,000.

3 Reviewing annually existing utilities acquisition contract rates and survey load characteristics, and making or recommending adjustments of rates and charges.

4 Providing assistance to installations in solicitation, negotiation, preparation, revision, and modification of utilities contracts.

5 Maintaining liaison with state, municipal, or other applicable utility regulatory bodies and maintaining familiarity with prescribed policies, procedures and rates.

Operating and maintaining Army utility systems with reduced work forces, shrinking O&M budgets, and more stringent environmental regulations has become very difficult. Privatization (transfer of ownership) of Army-owned utility systems is a logical and cost-effective option, and it is consistent with DoD, Army, and other privatization initiatives. The Army's goal is to have 75 percent of all utility systems, including 100 percent of the gas systems, under privatization action by the Year 2003. This process involves reviewing alternatives, determining economic feasibility, and making a life-cycle cost analysis (LCCA) which compares providing utility services under continued Army ownership with ownership by a public, municipal, or regional utility.

Army Power Procurement/USA-CPW assists Army installations and MACOMS in privatization with technical guidance, utility negotiation and contracting, and provides legal assistance and consultation on the privatization process. Our office also provides contractor assistance, on a reimbursable basis for LCC analysis and development of the statement of work (SOW) for the request for proposal (RFP) for the privatization utility service contract,



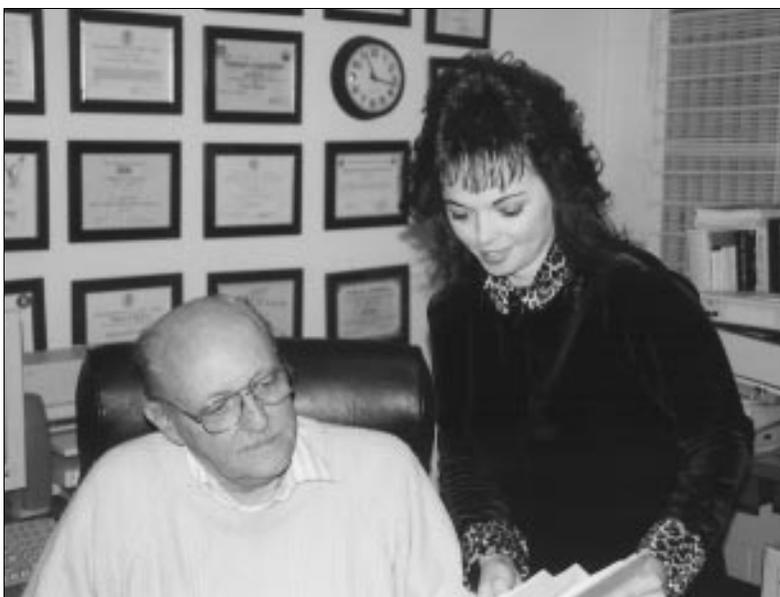
Clifford Beasley—working hard to reduce your utilities costs.

which is the key economic document in the privatization process.

Last May, we hosted a Privatization Training Workshop at the Presidio of Monterey, California for 110 personnel involved in privatization of utilities.

One of the changes we've made in 1997 in the utility privatization process has been to use a formal request for proposal (RFP) instead of an informal/non-binding proposal from the utilities in the life-cycle cost analysis (LCCA) process. This has resulted in two benefits. First, because it's a contractual RFP, it requires the utility to seriously study the privatization of the Army's system(s) and to "sharpen their pencils" to give an accurate competitive price. Secondly, it expedites the process by at least six months. Once the decision to privatize is made based on the LCCA, the contracting officer, instead of just initiating the contracting action, can proceed directly to award.

With all the studies initiated in 1997 nearing completion, 1998 is expected to be an **even** busier and more productive year for the Army Power Procurement Office, with **even more** privatizations being completed and more systems transferred. **PWD**



Ed Gerstner and Annette Harley of the Army Power Procurement Directorate.



Fulfilling your training needs

FY 97 was a banner year for the Professional Development and Training Division! They provided training in 20 individual courses to 62 classes of students totaling 1,035 facilities and housing managers and specialists from 75 installations and commands! This training included 5 courses that were conducted for 270 Air Force housing managers.

The division conducted a new 2-day Public Works Training Workshop for Engineer Districts for Rock Island District and North Atlantic Division and piloted three new, one-week courses:

- Public Works Basic Orientation Course (PWBOC)
- Public Works Managers Functional Course (PWMFC)
- DPW Performance Based Service Contracting (PBSC) I

Two other, one-week courses related to DPW performance based service contracts are currently in the design and development stages:



Johann Grieco stars in many classrooms as he trains DPWs, staff and others in the intricacies of our business.

- DPW Performance Based Contracting II
- DPW Quality for Service Contracts

Six new, one-week courses related to the DPW Facility Maintenance Management System (FMMS) are in the design and development stages:

- PW Budget
- PW Work Reception
- PW Supply (two courses)
- PW Planning and Estimating (two courses)

These courses will incorporate functional aspects of the FMMS into existing IFS-M courses.

The Professional Development and Training Division also provided logistical and administrative conference support to the 1997 DPW Combined Users Training Workshop in Orlando, Florida, and the Annual DPW Training Workshop in Vienna, Virginia. **PWD**



Between classes—a few of our training and professional staff weren't on the podium today, including (from left) Rose Roedl, Jim Ott, Steve Moore, Marcus Seisay, Vonela Sampson, Debbie Ware, Johann Grieco, Mary Roe, and Phil Reid.

CPW PROFILE

Prior to joining the Facilities Engineering Support Agency (FESA) in 1982, Tony Vajda worked at Carlisle Barracks in Pennsylvania as a facilities manager handling their overall facilities resource management program. At FESA, Vajda worked as an industrial engineering technician in the field of engineered performance standards utilization surveys. As they started moving towards automation, he was assigned to a team developing an automated job estimating system.

When FESA was reorganized into the Engineering and Housing Support Center (EHSC), Vajda was a natural choice for Chief of the Facilities Engineering Systems Development and Maintenance of Systems Directorate, in charge of maintaining work management and supply management systems. Later, when EHSC became the Center for Public Works, he was named the Chief of the DPW Management Division. It was here that he moved from systems to guidance and functional support in three areas—work, supply and contracts management.

“We think of ourselves as an extension of the DPW staff,” said Vajda. “Today, we have a functional Hotline in all three areas—just dial (703) 428-7397 for work, supply and contracts management. We receive more than 2,000 calls per year, and we respond to 98 percent of them within 24 hours. The small remainder may take anywhere from one day to a week to a month. We’ll go on-site, if necessary, and stay until the problem is solved.

“**Work Management** is the life-cycle maintenance work on facilities, from reception to evaluation to planning, programming, scheduling, and execution down to evaluation of the completed work. This year, we had 26 installations request consulting visits. For example, Fort Myer wanted us to help them implement the utility billing subsystem of IFS-M and provide assistance in the job cost accounting area, and at Fort Devons, we assisted with Real Property issues. We’re really trying to streamline the process in work management to keep it in-line with the downsizing going on at the DPWs.”

“In **Supply Management**, we have a Memorandum of Agreement with most of the MACOMs to conduct biennial visits. In the past, we ensured internal control processes were effective. Today, we’re trying to minimize internal controls and still maintain a high level of efficiency.

“We’ve also been technical liaison for implementation of DLA’s Prime Vendor Program, which sets up regional material integrators linking various sources of supply and making them available to government agencies in that area. By consolidating orders, we hope to be able to get volume discounts.

Tony Vajda DPW Management Division



“There is a potential for savings, and to minimize shop stock and warehouse space—if it is done right. We are working closely with Fort Jackson, the first Army site to implement Prime Vendor. We’re providing recommendations on how to make the program work more effectively.

“We are also supporting several installations considering consolidations of DPW and DOL Supply operations. We recently helped Fort Bliss (they’re downsizing and have a large turnover of employees) when they encountered supply operation problems—a \$2 million reconciliation of the stock fund account! We provided on-site support along with a contractor on and off for several weeks, including follow-up visits.

In the area of **Contract Management**, the DPW Management Division has several on-going initiatives, said Vajda. The Division maintains a library of generic performance work statements and model guides to developing performance work statements. “We are working with Bayonne Ocean Terminal in New Jersey to develop their acquisition documents for base maintenance,” added Vajda. “They’ll be advertising their contract in the next couple of months. We also just completed a project for Washington Aqueduct to develop their performance work statement for heating and air conditioning and grounds maintenance. We’ll be supporting them in the source selection evaluation process, which means we’ll have someone on the selection panel of bidding contractors.”

At the Presidio in California, DPW Management Division personnel provided technical support to develop their acquisition package for facilities maintenance, and it is now in the final stages. “Presidio will be contracting facilities maintenance to the cities of Monterey and Seaside, California, as part of a demonstration project approved by Congress,” said Vajda. “We helped them to redo their interservice support agreement with the Navy. This will result in significant savings in future years.”

“Our main focus in the near future will be to help support installations with their A76 reviews and helping them set up most efficient organizations,” said Vajda. “Installations need to be made aware of the services we can provide on their A76 studies. The emphasis will be on offering support services to review what installations develop to support their A76s. We will also be looking at some new concepts for streamlining business. Other areas of consideration will include working with the Fort Worth Reinvention Center.”

When not tied to the office routine, Vajda enjoys bicycling and traveling to Latin America. Several years ago, he bought a house in the Bay Islands off Honduras, where he can go snorkeling and diving. You may reach him at (703) 428-6463 DSN 328 or e-mail tony.p.vajda@cpw01.usace.army.mil. 



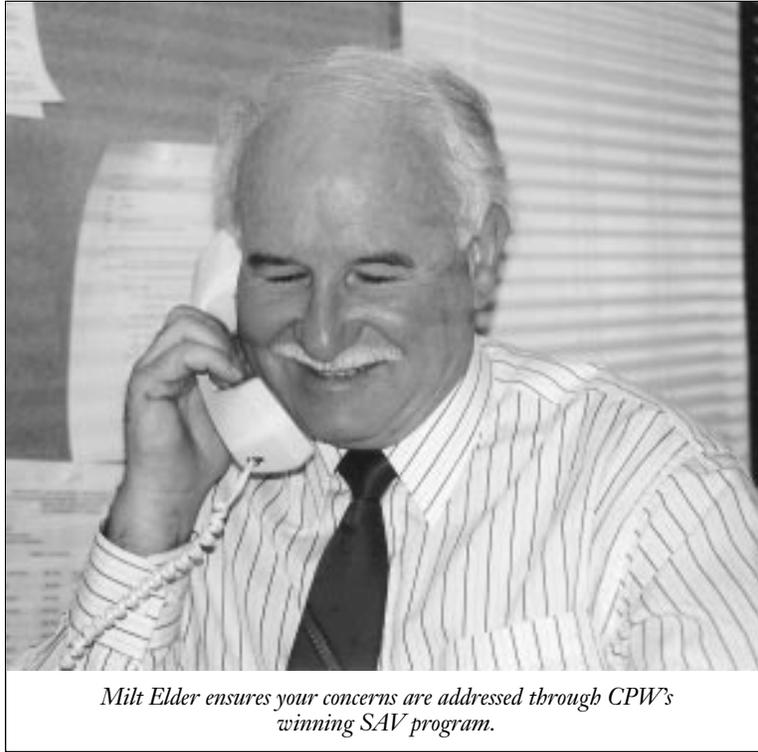
SAV— Squeezing the nickel!

CPW's staff assistance visit program took our staff teams to 10 installations in FY 1997.

Everywhere the Center's folks went, savings followed. Savings in labor costs, business processes, increased receivables, and good ideas from installations shared across the Army. At Fort Sill, where a team member reset the codes for billing reimbursable customers, the DPW said of the single action—"You just paid for your visit right there!"

For the first time, there were visits to two U.S. Army Reserve Command Reserve Support Commands (RSCs), the 81st RSC Birmingham, Alabama, and 94th RSC Reserve Forces Training Area Devens (Formerly Fort Devens). Our teams also spent time with DPWs and their staffs at Fort Leonard Wood, Fort Monroe, Fort Sill, Newport Chemical Depot, Fort Hamilton; Schofield Barracks, Hawaii, U.S. Army Garrison, Panama, and Korea.

During their site visits, teams review all aspects of the DPW function. As always, the teams are there to assist the DPW—not to inspect! The goal of the SAV program is to bring better business and technical processes to the field, and to bring home good ideas to benefit the



Milt Elder ensures your concerns are addressed through CPW's winning SAV program.

whole Army. Teams look at how the installation does business, and find ways to solve procedural problems immediately or through follow-up staff actions. They also identify sources of help for the installation, and share stories about installation initiatives through the **Public Works Digest** and **SAV Bulletin**.

Here are just three examples of the savings available as a result of SAVs:

Increase your reimbursable billings:

Make sure you bill your customers by unit or customer ID, not by the building number of the unit's headquarters. You will more accurately capture your work for the customer. In the case our SAV discovered, a customer's payments to the DPW increased from \$1,889.32 to \$3,795.07. Almost double! Multiply that by 85 installation customers, and you could discover a big saving!

Work smarter in IFS-M:

At another installation, a systems expert on the Staff Assistance Visit team set up tables that would allow IFS-M to automatically derive the Account Processing Codes used to pass cost to STANFINS instead of having the code entered manually on every service order or work order. This is saving the installation hundreds of labor hours!

Get your fair share of space and budget: During SAVs to Hawaii and Korea, team members provided Real Property training and audited Real Property records to ensure accurate facility use documentation and square footage information. Since budget decisions are based partly on facilities space records, accurate Real Property records ensure that the DPW gets a fair share of the DoD maintenance and

repair budget.

SAV Program—expanding as your needs grow

"Our SAV program is changing to meet your installation needs," said Milt Elder, CPW's SAV Program Coordinator. When CPW started doing SAVs in late FY 91, we only did 2 visits in the first year, but quickly progressed to 20 visits a year. At our peak, we were doing several visits a month. In 1996, we started transitioning to fewer installations concentrating on the larger ones and focusing our support where it was most needed.

To date, our visits have offered a brief, intense, concentrated focus of expert attention. Over the years, team members have identified opportunities for improved automation, issues ripe for legislative action, impediments to the success of Army initiatives, and insights essential to realistic regulatory guidance. ➤

Are you on the *Digest* distribution list?

If not, give Linda Holbert a call at (703) 428-7931 DSN 328.





The hallmark of a CPW SAV is rapid response to an installation's request, and expert, confidential assistance and followup to complete work on the issues raised. "We are confident that we can continue to provide this kind of service, because we have dedicated employees led by a director who keeps the SAV program viable and insists on responsiveness," Elder said.

"As DPWs continue to downsize, our SAV program will expand its scope to help with jobs they can't afford to do any more," Elder said. "The duration of visits and the composition of teams may change to accommodate installation needs." A recent three-week SAV to Korea revealed the potential scope of the program, he explained. For example, Mike Organek handled ethics in contracting at various sites in Korea and advised them on the appropriate methods for contract inspection.

Karl Thompson went to 10 activities in Korea advising them on inventory, purchasing and supply system efficiencies, while David Bohl inspected all the airfields and railroad tracks.

Reserve Commands have taken over the management of their own facilities in the past year. However, they're still

 CPW is currently funded to complete a set number of staff assistance visits for FY 98, at no cost to Army installation DPWs. If you are interested in having a CPW staff assistance visit team come to your installation, please contact Milt Elder, SAV Program Administrator, at (703) 428-7969/7255, DSN 328, by FAX at 7274, or e-mail: milt.r.elder@cpw01.usace.army.mil **PWD**

not adequately staffed to meet this new expanding technical responsibility.

"We have visited several Reserve Command Centers (they manage all the Reserve activities for multiple states) inspecting earthen retaining walls, bridges and doing work on-site at the Reserve Centers," said Elder. "At Fort

"For example, the U.S. Army Corps of Engineers is testing ways to manage selected installations, acting as a 'virtual DPW,'" Elder said. "The Center has used the SAV program as a way to start training test District personnel in the real issues a DPW faces, the needs of the customer, and how to understand

things as basic as the J, K, L, and M accounts."

"FORSCOM has asked us to work with their DPWs at 10 installations and a Reserve Support Center to help them with their A76 reviews and establish the most efficient organization. This project will probably take a year, so we will be sending the same

team members to visit several of their installations for continuity.

"Our SAV program used to be scheduled 2 to 3 years in advance," explained Elder. "We attempted to visit every major installation every 3 years and smaller ones, every 5 years. Today, installations want us right away. It's not as easy to schedule our program today, but we must be available and responsive. And if we can't be, we need to identify another source that can."

Elder pointed out that in the past, when SAV teams came and looked at installations, things were under control—MACOMs were well-staffed. "We provided guidance and peripheral support," he said. "Today, the picture has changed. Staffing is reduced and installations are struggling to find support anywhere they can. The Center and USACE are saying there is more that we can do for you—we can redefine the process of doing business for you." **PWD**

"We are confident that we can continue to provide this kind of service, because we have dedicated employees led by a director who keeps the SAV program viable and insists on responsiveness."

—Milt Elder, CPW's SAV Program Coordinator

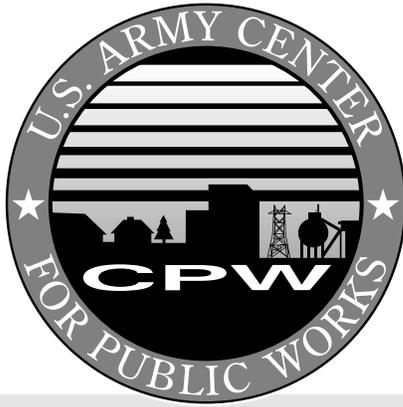
Hamilton in New York, there is a great on-going initiative to redefine the mission. We helped them to determine the appropriate staffing and DPW structure, and provided extensive real property and master planning support."

The advanced planning, extended and increased post-SAV support that CPW provides is also expanding. For example, at the Presidio in California, SAV team members looked at not only work management processes, but they helped them prepare the performance work statements necessary and negotiate the transfer of real property management responsibilities to municipal activities in Monterey County.

"The SAV program has also demanded more of the Center," said Elder. "What we bring back is bigger—it involves not just us but the contractors we have access to. It is more demanding of us to have to interact with all the parts of a Directorate of Public Works."

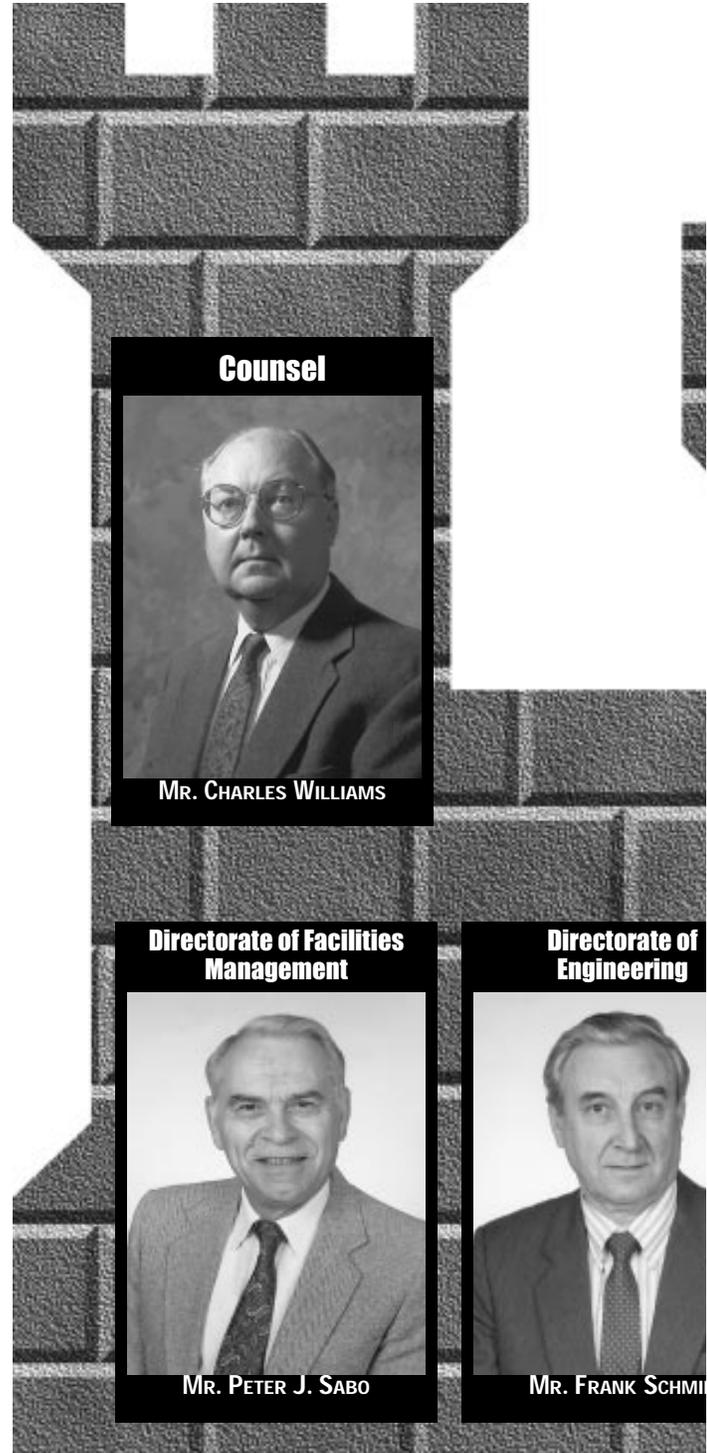
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United States Center For Public

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Pavements & Railroads Div	(703) 806-6050	656
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Directorate of Power Reliability Enhancement		
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Directorate of Prime Power and Emergency Operations		
Director	(703) 805-2656	655
249th Engineer Battalion	(703) 805-2680	655
Company A, HQ	(253) 967-4175	357
Company B, HQ	(910) 396-2895	236
Company C, Prime Power School	(703) 805-2506	655
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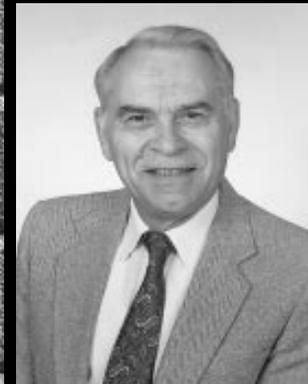


Counsel



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**Directorate of Facilities
Management**



MR. PETER J. SABO

**Directorate of
Engineering**



MR. FRANK SCHMITT

Army Works

Directorate of Military Programs



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Directorate of Power Reliability Enhancement



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Directorate of Prime Power & Emergency Operations



LTC KURT F. UBBELOHDE

Directorate of Resource Management



MR. EDWARD B. VOGEL



HQEIS does the walking for you!



The Work Management Team—(front row) Deanna Erickson, Joe Manno, Linda Smith, Ed Davis; (back row) Jack Giefer, Mike Kastle, Miriam Ray, Don Emmerling.

HQEIS 1997 Enhancements:

- HQEIS database accurately reflects MACOM/Primary Installation/Installation changes by Fiscal Year and Quarter.
- RPMA cost screens include displays by In-house/Contract, Reimbursable/Direct and Element of Resource.
- RPMA Cost data is currently FY96/Qtr 4 and Real Property data is FY97/Qtr 2.
- FY96 Yellow Book (Plant Replacement Value Analysis) in Real Property/PRV.
- FY96 color (red/green/amber) Essential Facility Requirements (EFR) charts in Static Displays.
- Two new Base Category (Major/Minor/Other) screens in General Statistics.
- Total Column added to Army Family Housing (AFH) and Unaccompanied Personnel Housing (UPH) summaries in Housing.
- Standard Queries for 3-digit Category Code, 5-digit Category Code and Facility Category Group (FCG) display at all levels (HQDA/MACOM/Primary Installation/Installation). Retrieval options added to allow the user to select up to 10 Category Codes, a group of 3-digit Category Codes, sort by organization or category code and display only select organization data.
- Facility Planning System (FPS) access from HQEIS Winframe server.
- Civil Works Digital Project Notebook on the Winframe application server.
- Enhanced drill down menus to include a description of the standard screen display next to the associated icon.
- Updated on-line screen helps align with the specification changes necessary.
- RPI by Location screen displays installation data by FY/Qtr for U.S. and Territories, Overseas, and all sites in addition to State, Territory and Country. The installation data can be sorted by MACOM, Primary Installation, Installation, Military Population, Civilian Population, Building Count, Building Square Feet, Acres and Paved Square Yards.

The Headquarters Executive Information System (HQEIS) is a user friendly method for Headquarters, Department of Army (HQDA), Major Army Commands (MACOM), Office of the Secretary of Defense (OSD), Army Installations and DoD contractors to acquire information from IFS-M and other existing databases. Approximately 400 users can now access HQEIS through the Winframe communications server.

The EIS allows users easy access to data without knowing Structured Query Language (SQL) or having specialized computer skills. This multidimensional database provides standard graphical, tabular and spatial displays for multiple levels and fiscal years to analyze Real Property Inventory and Real Property Maintenance Activity (RPMA) costs.

The EIS requires minimal hardware and software from the user. Users load minimal software (1MB) on their PCs to access the CPW communications server (Winframe), which provides the HQEIS software and all software necessary to connect to the HQEIS database server. The HQEIS Winframe server can be accessed using an internet or modem connection and Winframe Client software, presently available on the CPW EIS Home Page in the EIS

Software Library (<http://www.usacpw.belvoir.army.mil/eis/softwa~1/librar~1.htm>). Each user must request a username/password from CPW before loading the software.

The HQEIS database resides on a quad pentium processor at CPW. The HQEIS Real Property Inventory (RPI) data is updated semi-annually and RPMA cost data is updated annually. Real Property data is currently at FY 97, Quarter 2, and RPMA Cost data is FY 96, Quarter 4. Historical data is available for both Real Property and Costs. Only the most current quarter of data is retained for each fiscal year.

The HQEIS/Geographical Information System (GIS) module will allow users to display Installations, Real Property, Leases, Military Construction Projects, Population and Military Entrance Processing Stations (MEPS) spatially. Standard Queries provide installation data by Facility Number and 3-digit Category Code, Facility Category Group (FCG) and a 5-digit category code queries that display detail data at all levels (HQDA, MACOM, Primary Installation, Installation) with various retrieval options.

The Oracle Browser tool assists users in obtaining data from the database that is not currently available on standard screen displays. Users can also access HQISR directly from the HQEIS main menu and copy EIS screens or data to a clipboard, export data to a file, print table or print screens.

Look for these future EIS developments:

- Archiving up to ten years of data.
- A trends module to analyze multiple years of data.
- Displaying data for Army Controlled/Army Owned/Army Owned but Controlled by Others in addition to Army Managed.
- Direct access to other existing databases/tools.

For more information on HQEIS, please contact Linda Smith, (703) 428-7415 DSN 328, linda.w.smith@cpw01.usace.army.mil or Jack Giefer, (703) 428-6073, jack.giefer@cpw01.usace.army.mil. 

Installation-EIS— Keeping track of your data

Before the development of the Installation-Executive Information System (Installation-EIS), no one vehicle could integrate and view information from existing databases. Managers had to rely on their personnel to write and run queries to view data needed to make management decisions. In addition to being time consuming, this process involved collecting data from separate systems and manually integrating it into presentation software. In an effort to tackle many of these issues, a family of EISs was developed.

EISs were first developed at the DOD and HQDA and MACOM level. Today, the Installation EIS is not only a key management tool, but it displays all the data sent to HQDA. This allows installations to validate their data before it is electronically submitted, making the data more accurate at all levels.

The Installation-EIS was developed for Installation DPW managers to view summarized data from IFS and other

existing databases. The Installation-EIS provides much of the information required for a DPW review and analysis program without the time-consuming query writing and graph preparation currently required. It also allows managers to easily navigate through massive amounts of data and present it in a meaningful format. Currently, the Installation-EIS extracts and/or displays data from IFS and HQEIS. Installation-EIS information is also available on the CPW Home Page.

Installation-EIS was deployed at three installations during the Beta Phase I in February 1997. During the Beta II Phase, it was deployed to an additional seven installations in the summer of 1997. The production Version 1 of Installation-EIS was made available to all installations running IFS last November. If your installation meets the hardware/software requirements and you're ready to deploy I-EIS, please contact Miriam Ray, CECPW-FM, at (804) 862-3000, e-mail: miriam.o.ray@cpw01.usace.army.mil. 



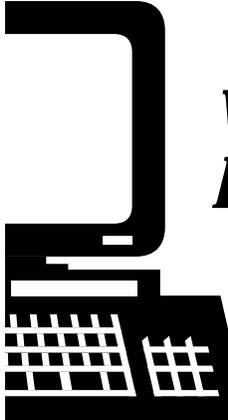
Public Works
problem?



U.S. ARMY CENTER
FOR PUBLIC WORKS

Visit our
home page at

[http://www.usacpw.
belvoir.army.mil](http://www.usacpw.belvoir.army.mil)





IFS-M— We're not getting older, we're getting better!

The Army's Integrated Facilities Management System, IFS-M, has been built from the beginning with users in mind. In 1988, Leo Oswald, project manager for the then-new system, said: "I truly believe IFS-M will be the best management system in the Army, because it is the only one being developed with **full** user participation."

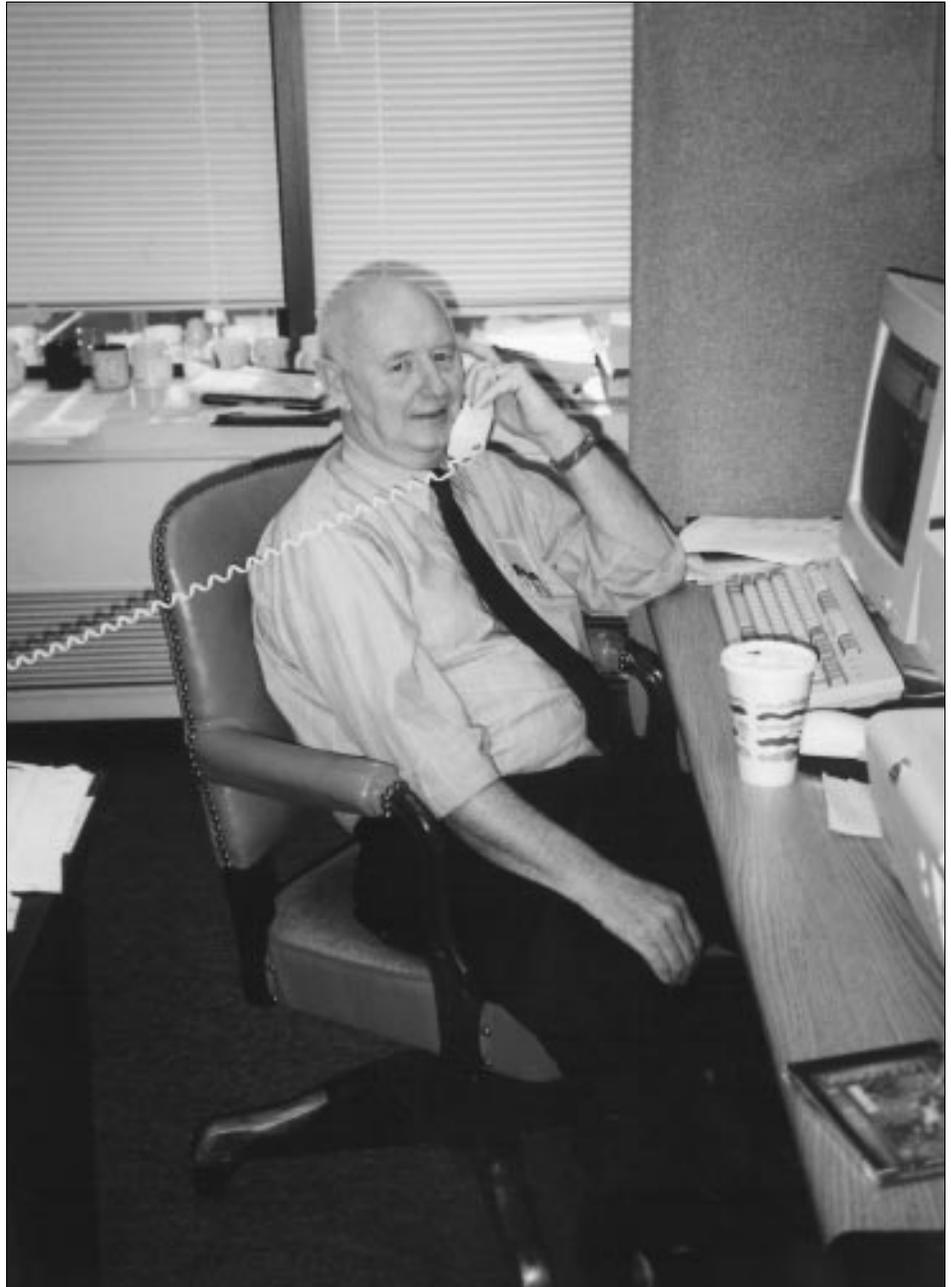
By now, installation customers have come to rely on a 10-year **tradition** of user participation in a system constantly upgraded to better meet customer needs. In 1988, customers were longing to get rid of "truckloads of printed reports," days-long waits to get information back from the installation computer center (*remember that???*), and "hard-to-remember suffix codes"—whatever they were!

Since then, the Center for Public Works has implemented more than nine change packages to improve system operations. We have deployed and redeployed computer hardware to support Army installations. Interim change package #10-06 puts users in touch with the installation Executive Information System (I-EIS). Eight sites have received the package in FY 1997 (see articles about EIS and HQEIS).

This year, IFS-M has also begun a major move into an environment that's already getting rave reviews from customers at Fort Stewart, Hunter Army Airfield, Fort Eustis and Fort Hood.

System Change Package #11-00 delivers the new IFS Client Server (IFS-CS) to the DPW community. This is a true client server product which stores data on a server and locates operating application of the user's personal computer (the client). The product operates in a Windows environment with on-line help/data glossary/user documentation and state-of-the-art capabilities.

Customer service and sustainment continues to be a vital part of IFS. Our customer assistance office—open 24 hours a day, seven days a week—took



Leo Oswald—a decade of making IFS work better for you!

2,643 calls from customers at 109 sites this year. We solved most of your problems with hardware, software, applications, change packages and other issues the same day. If you needed us, we came to your site.

We know that with every change, the powers you can imagine for your system will change and grow. We'll keep right on doing our best to meet your imagination with new capabilities!

PWD

Just DO It! — CPW's Engineers meet your challenges

Engineers have a lot of ways to say, “Just Do It!” Center for Public Works Engineers have been busy all through FY 1997. They inspect, troubleshoot, estimate, teach, report, specify, test, advise, analyze, certify, contract—in one word, they **respond**. Whenever and wherever you need RPMA support Army-wide, you can expect top quality engineering assistance.

The Center's Engineering Directorate serves as home base for many people who have career-long familiarity with the needs of Army installations. Working with you, they can find solutions for your hottest problems, find a way to do preventive maintenance and life-cycle management of your infrastructure, make good buys on vital engineering services, or teach your staff how to maintain critical systems safely and efficiently.

Boilers—everybody has at least one!

A quick look at what three of our engineers handle in a year—along with some other duties—tells you what a



They're a helpful crowd! CPW's Sanitary and Chemical folks, from left: Jennifer Conrad, Nicole Lussier, Bob Fenlason, Nelson Labbe, Chris Sawyer, Jane Anderson, and Malcolm McLeod.

great resource multiplier CPW can be. Through contracts and in-house expertise, Mechanical Engineer John Lanzarone, and Sanitary & Chemical engineers Nelson Labbe and Chris Sawyer made 589 boiler inspections; supported repair of a major heat-distribution system; conducted six boiler operator training classes; responded to Congressional inquiry on a low emission natural gas boiler demonstration, gave technical advice to 29 installations on their boiler and cooling water treatment programs; evaluated six water treatment programs; and conducted five boiler water treatment workshops. By the way, Nelson and Chris help with all your cooling water problems too!

Emergency plans—hope you can get it done in time?

Installation DPWs are required to have emergency plans on file for many eventualities. But when every day is a series of small crises, who has time to create emergency response plans? CPW engineers can supply the need. In FY 1997, they completed an emergency power plan for one installation, advised two installations on O&M emergency plans, and prepared an emergency water contingency plan for



Wanted? You bet! Jim Paton has rewarded dozens of installations with energy savings projects.

another post. We also reviewed a variety of other non-emergency planning instruments, including Pollution Prevention Plans for eight installations, annual work plans for three installation, and a water and wastewater treatment plan. Our engineers are also available to help you with emergency and infrastructure planning, whether you are concerned about dam failure or want to have a better scheme for monitoring your steam traps.

Trouble—who you gonna call?

Troubleshooting is a CPW specialty. This year we provided technical assistance to shoot down 20 roofing-related problems. We visited an installation to find out what was causing repeated electrical power outages. We responded quickly when an HVAC unit motor burned, and we investigated a serious transformer failure. When you have a major meltdown somewhere in your infrastructure—call on us!

Avoid extinction—get training!

Both you and your infrastruc-



Jim Paton, Roger Cuncliff, and John Lanzarone of CPW's Mechanical and Energy team.

ture systems need to stay trained to avoid obsolescence. Our engineers offered a wide variety of training through contractors and through workshops they conduct themselves. If you didn't get training this year, maybe you should sign up for one of the workshops and courses CPW regularly offers in the following subjects: Lead Based Paint Risk Assessment; Power Quality Harmonics; RADDs (energy conservation); boiler operations; bridge inspection; DPW equipment; railroad track inspection and maintenance; water and wastewater treatment; boiler and cooling water treatment.

Inspections—up close and personal.

You need a closer look at one of your infrastructure systems, at your fire protection and prevention operation, at a facility or structure. But the guy you used to do that retired, and you can't replace him, or you never had a guy like that. CPW can take that closer look to assure your installation is safe and sound. Our engineers performed a wide variety of inspections this year, or supervised contracts to assure dozens of installations top-quality inspection services. This year alone, we conducted 589 boiler inspections, 14 Fire Prevention Operational Readiness Inspections, nine Child Development Center inspections, surveyed six installation gas systems, oversaw 300 bridge inspections, certified eight railroad track inspectors. In addition, we provided training to many installation staff members who serve as the first line of defense against system failures. We also answered your questions about CFCs, indoor air quality, underground storage tanks, so that you



Members of CPW's Electrical Division, from left: Tuan Duong, Hai Ngo, Tom Luu, Ron Mundt, Angie Stoyas and Ellis Hagy.

could be in compliance when other agency's inspectors came to call.

Read all about it!—Our engineers have seen it all! You can trust the technical advice you've read this year in a host of *Public Works Digest* articles, public works technical bulletins, updated operations and maintenance manuals for your water and wastewater treatment sites, special studies and analyses of your

electrical systems or other infrastructure systems you've asked us to prepare.

It's the buzzword—Outsource Everything! You heard it from your Commander and you'll keep on hearing it—go out and buy that service! CPW oversees a wide variety of IDIQ contracts you can call upon to help you conduct your RPMA mission. We save you the time and manpower it would take to write the contracts yourself. And we also save you money. You get economies of scale, lower overhead, and S&A carryover. This year engineering contracts helped you manage lead based paint, 9 lighting projects, industrial water quality assurance, solid waste management planning and many other services.

An ounce of prevention—

Yes, DPWs, you *can* still do preventive maintenance and life cycle management of your infrastructure and facilities. With CPW support, nine installations implemented ROOFER, every installation in the Army received software to help them evaluate the life-cycle cost/benefits of energy conservation projects, four installations implemented PAVER GIS, 11 installations improved their corrosion control programs, 48 installations made progress toward better solid waste management, and 12 installations learned how to conserve water more effectively.

Just ASK for it! If you haven't seen the service you want or need reported here—ask us anyway. This review of our 1997 activities is just the tip of the iceberg. Our job is to give you the best in RPMA engineering support. **CPW/D**



Karl Wolfe watches over DPW equipment, and Mike Dean ensures they have good roads and rail lines to move on!



Dave Bobl, Cari Reiff, Jim Ledford and Jerry Spence "uphold" CPW Buildings and Structures services.

CPW PROFILE

Mike Dean graduated in 1969 from the Virginia Military Institute with a degree in civil engineering. He spent six years with the Corps of Engineers as a combat engineer officer and Corps of Engineers project officer in Germany and Korea. Later, he spent an additional 16 years in Nuerenburg and Ansbach working in the Directorate of Engineering and Housing as a contracting officer representative, a master planner, Chief of Engineering Plans and Services, and the Deputy Director of Engineering and Housing.

In 1991, Dean joined the staff of the Engineering Directorate of CPW. As Chief of the Pavements and Railroads Division, he is responsible for providing a wide variety of technical support to installations, to include the areas of pavements, railroads, bridges, dam safety and DPW equipment.

"In FY 97, 21 installations requested my division to perform \$1/2 million in PAVER implementation, pavement reinspections and database updates, implementing PAVER GIS and PAVER training," said Dean. "For example, we performed PAVER program training for the Sierra Army Depot in California, and at Forts Campbell and McPherson, we did a PAVER program reinspection of pavements and provided a report on pavement conditions.

Dean is very excited about a new contract they have on board for the RAILER program, where they've gone to a Windows-based version. They're currently field-testing it at Crane Army Ammunition Plant in Indiana. They're also in the process of implementing RAILER at Sierra Army Depot in California.

Last year, Dean's division conducted two basic railroad training classes for railroad track inspector certification held in Vicksburg, Mississippi. The 25-person classes were a combined effort with the Waterways Experiment Station (WES) and a contractor. Next year, he plans to offer installations a basic **and** an advanced course. The latter will be held at the McAlester Army Ammunition Plant in Oklahoma.

Dean's division also held four bridge inspection training classes in Florida last year, once again as a joint effort with WES and a contractor. The 25-person classes covered combined types of inspection to include:

- Scouring.
- Bridge load rating.
- National bridge inventory.
- Bridge inspection.

Mike Dean Pavements and Railroads Division



The Pavements and Railroads Division also inspected a number of bridges in FY 97, including some in Korea, on a limited basis, to stay trained themselves and be ready to train others. They partner with WES to inspect bridges upon request. If an installation doesn't have support district personnel trained to inspect bridges, then the Center for Public Works, together with WES, can do it.

"We're also responsible for the Dam Safety Program for all Army installations," said Dean. "Each year we put on a dam safety workshop where about 20-25 participants from everywhere have a chance to discuss dam inspection issues and emergency action plans. Last year, we held the

workshop in Louisville, Kentucky, and this year, it will be held in Florida. Every two years, we are required to submit an Army Dam Inventory to Congress, and we just did one last September."

"Most people don't realize that my division represents DPW equipment support for the entire Army with Karl Wolfe as the program manager. We have a Memorandum of Agreement with several of the MACOMs, and in a typical year, Karl visits 14 to 18 installations, conducts training workshops, and helps with acquisitions, equipment management, and implementing money-saving policies. Karl is on the road a lot, performing biennial inspections of installation DPW equipment programs. Recently, he helped to get a change in Army policy on funding so that installations can now buy trucks locally with OMA money. He's also working with the DLA and GSA to establish contracts so that installations can get needed equipment more readily. As your DPW mission changes, the Pavements and Railroad Division is working hard to help you make needed changes to your equipment fleet as well."

Dean said they're promoting the purchase of "glider kits" off the market, where the chassis and motor are refurbished/reused and a "body rebuild kit" is put over them to create an "almost new" truck. A typical fire engine glider kit costs approximately \$160,000, as opposed to the \$280,000 it costs to buy a "brand new" truck. This is an extremely practical cost-saving idea, since many fire trucks are 10-15 years old and, as a rule, have very low mileage.

"As you can see, we have accomplished a lot for installations in this past year," said Dean.

Dean's hobby is restoring Volkswagen (VW) bugs. He has four VWs in the driveway at the moment and is currently working on a 1978 convertible. You may reach him at (703) 806-6050 DSN 656 or e-mail: michael.a.dean@cpw01.usace.army.mil **PWD**



CPW PROFILE

A graduate of Tufts University in Massachusetts, Malcolm McLeod came to Fort Belvoir in October 1971 to join the Engineer Reactors Group's Power Systems Branch as part of the Chemical Team. He progressed to the Facilities Engineering Support Agency (FESA) as head of the Corrosion Team, then head of the Chemical Division, and later to the Engineering and Housing Support Center as head of a combined Sanitary and Chemical Division.

At the Center for Public Works, McLeod's Sanitary and Chemical Division of today includes some very diverse functions. It covers: Water/Wastewater/Stormwater Systems, Corrosion Control/Cathodic Protection, Solid Hazardous Waste Management/Recycling, Boiler/Cooling Water Treatment, Water Conservation, and Pollution Prevention.

The division also now has two new areas of support. The first is the Wellhead Protection program, where we can assist installations in developing a protection plan. Some states, such as Arizona and Georgia, require wellhead protection plans, and Fort Huachuca and Fort Stewart requested the division to do plans for them last year.

The other new area for McLeod's Sanitary and Chemical Division is the Cross-Connection Control Program (CCCP). When installations make changes in their water piping systems, install new equipment, or make other alterations in their plumbing systems, a path may be created which mixes a non-potable substance in the potable water system. Sometimes the piping was not properly installed or backflow prevention devices were not provided. "We do a building-by-building survey to identify unprotected cross-connections as well as test the existing backflow prevention devices," said McLeod. "We also develop a cross-connection control plan that provides management with a tool that identifies guidance and responsibilities such as when and where to test devices, provides training requirements, and supports compliance with state drinking water law. As part of the program, we also provide training in cross-connection control and backflow prevention. Currently, we are conducting the program at Forts Dix, Myer, McNair and A.P. Hill.

"We're now getting more into technical guidance. We recently published five Public Works Technical Bulletins—

- **PWTB 420-49-07**, Solid Waste Options
- **PWTB 420-49-08**, Decision-maker's Guide to Solid Waste management, Vol. II
- **PWTB 420-49-1**, Lessons learned on the Use of Plastic plumbing Materials
- **PWTB 200-1-6**, Selection and Installation Guidance for Underground Fuel Storage Tanks
- **PWTB 420-49-5**, Industrial Water Treatment

Malcolm McLeod Sanitary and Chemical Division



We're working on an additional 13 technical bulletins right now as well as 2 military triservice handbooks for water and wastewater systems."

Briefly, the Sanitary and Chemical Division has completed technical consulting services on water/wastewater systems to 27 installations; boiler/cooling water to 29; solid waste management to 48; corrosion prevention to 11; water conservation to 12; and cross-connection control to 3.

In the area of water conservation, the division conducted comprehensive water conservation audits on-site for Fort Stewart and Hunter Army Airfield. At the installations' request, they looked at industrial uses, irrigation systems, and plumbing fixtures, and then prepared a report of options for a water conservation plan. They also provided

information to numerous installations on waterless urinals.

"My division put together a wastewater guidance document for TRADOC called the "Stormwater Pollution Prevention Plan (SPPP)," said McLeod. "We also spent a lot of manpower assisting with the National Recycling Congress (NRC) in Orlando as the focal point for Department of Defense. As part of supporting a DoD working group, we helped produce the *Qualified Recycling Program Guidance*, a DoD handbook for everyone to use.

"Last year, we conducted seven boiler water workshops, three on-site (one at Fort Sill and two at U.S. Army Garrison Fitzsimons) and four here. Partnering with the Construction Engineering Research Laboratories (CERL), we taught a Facilities Engineering Corrosion Control course in Champaign, Illinois. This was the first triservice training held in this technical area and we attracted 50 DoD participants.

"We cover a wide range of areas, to include hazardous waste. We have contract support to give you the assistance you need. We have diverse people with different specialties from utilities to environmental issues. Basically, we have picked up the 'bits and pieces' that the Army needs. The Sanitary and Chemical Division covers some very unique but very important areas where it is difficult to find expertise.

"If you need assistance with anything inside or outside a building within the sanitary and chemical areas, don't hesitate to call on us. We may be limited in manpower but we can leverage that power with contracts to bring you what you need. We've never turned anyone down yet!"

For fun, McLeod raises chickens and sells their eggs. Actually, he raises many different kinds of fowl— chickens, peacocks, geese and guinea hens. He also enjoys tending fruit trees and has a small orchard of about 40 mature trees. You may reach him at (703) 806-5196 DSN 656 or e-mail: malcolm.e.mcleod@cpw01.usace.army.mil **PWD**

Consider that the 249th Engineer Battalion saved Fort Lee more than \$500,000 and Fort Bliss some \$900,000 in 1995 in peak shaving costs alone. Additionally, figures for 1996, and early returns for 1997, show that they've saved other DPWs and base civil engineers from Fort Gordon, Georgia, to Hawaii to Korea similar amounts of money.

Installations Support Savings, FY 97

- **KOREA**
Savings: \$140,300.00
 - Infrared survey
 - Electrical one-line map update
 - Install lighting systems
- **CONUS**
Savings: \$130,300.00
 - Circuit breaker relay maintenance
 - EMD generator repairs
- **HAWAII**
Savings: \$19,200.00
 - Motor control maintenance/assessments
 - Distribution upgrade

FY 97 estimate: OVER \$700,000.00 SAVINGS

249th Engineer Battalion— Problem solvers trained and ready for any contingency



Prime Power soldiers—they'll go anywhere to help you!

The 249th Engineer Battalion, headquartered at Fort Belvoir, Virginia, has a diverse and critical mission. Its soldiers perform missions across the spectrum of military operations—from warfighting to disaster relief to installation support. To do this, they can draw on a significant cache of “war reserve” stock that can fulfill virtually any need.

Their most valuable resource—and best advertisement—is its soldiers—

whether they're installing generators or providing needed technical assistance. With units stationed across CONUS, including Hawaii, and overseas—Korea and Germany—they can provide the rapid, responsive service that is demanded in today's constrained environment... and provide measurable cost savings to the customer.

The Prime Power School trains DoD personnel to operate, maintain and manage prime power generator sets, power plants and associated distribution systems equipment. Students spend 50 weeks learning the basic academics to earn 34 college semester hours. They can choose from instrumentation, electrical and mechanical specialties.

The CPW Loan Program maintains the war reserve stock to provide prime power production assets on a loan basis to satisfy high priority electrical power requirements. This is done on a “cost only” basis. The customer reimburses TDY costs and overhead costs of the equipment. “Our soldiers get training and the installations save money,” said LTC Kurt F. Ubbelohde, commander of the 249th Engineer Battalion. “Providing support to you, the DPWs, is a win-win situation. It can provide much needed savings while providing realistic, battle-focused training for the battalion.”



Prime Power recently christened their new school house at Fort Belvoir, Virginia. Outside, it may look like a warehouse, but inside, there are classrooms and laboratories equipped with the latest training equipment.



Besides power production, samples of typical support missions include:

- Uninterruptible power systems testing/repair
- Transformer inspection, testing, and analysis.
- Fixed power plant maintenance and inspection.
- Circuit breaker relay maintenance repair and calibration.
- Infrared survey of electrical systems.
- One-line diagram updates
- Grounding system testing
- Electrical distribution system repair
- Load surveys
- Cable testing/repair

MAJ Cliff Crofford, Executive Officer for the 249th Engineer Battalion, speaking at a recent meeting of the Fort Belvoir Chapter of the Society of American Military Engineers, cited missions where significant cost savings were realized by the DPWs. These included a critical mission performed by A Company on the demilitarized zone where the Camp's power generation

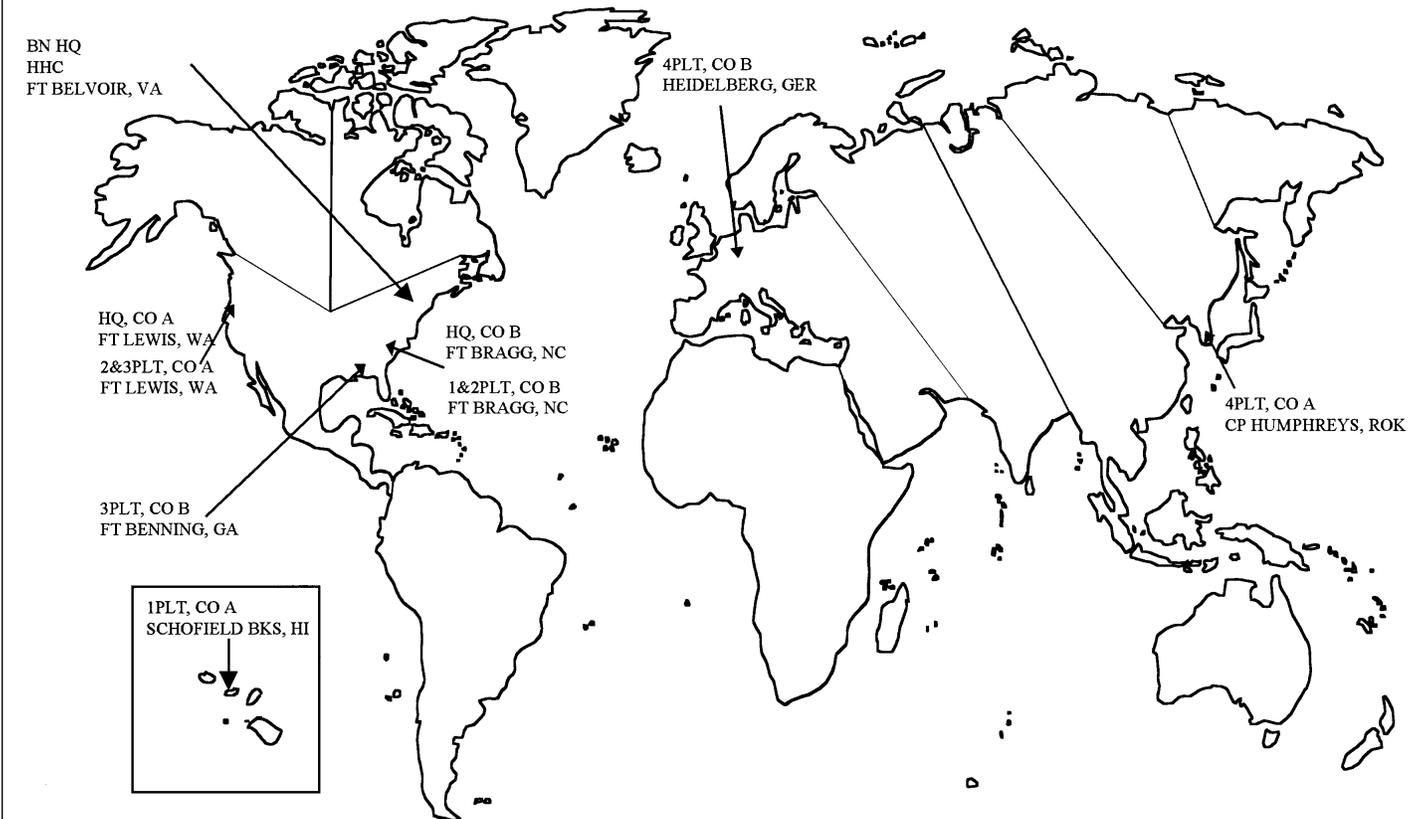


Army's new Prime Power School facility offers up-to-date training stations.

system was repaired at a cost savings of \$595,000. In Korea, a new generator would have cost \$200,000 and they repaired it for \$2,000, saving them

198,000, and a CBRM mission performed by B Company, realized \$10,000 in cost savings.

PRIME POWER UNIT LOCATIONS



Savings to the installations include not only man-labor costs, but equipment rental and contract costs. Costs to the supported DPWs include per diem and transportation for the deployed soldiers along with any material costs. But, no matter how you add it up, it's a win-win situation.

“Tell us what you need in advance in your power requirements, advised MAJ Crofford. “That way, you’ll have locked-in support and not have to worry about your money getting reprioritized at the last minute. When that happens, it not only hurts us but you as well.”

“Our soldiers are the only ones to actually train locals how to run/maintain the generators after we install them—the Navy and the Air Force only install, they’re not problem solvers.”

The Prime Power School trains DoD personnel and develops training programs. MOS 52 soldiers are highly-trained problem solvers who know how to run generators and can fix just about anything. They also provide war-fighting support and can deploy very quickly, and look at disaster relief as a good training opportunity. These soldiers must stay proficient with weapons—they’re still soldiers. **PWD**



MG Al Genetti and LTC Kurt Ubbellohde cut the ribbon at Prime Power's new school.



Members of the 249th Engineer Battalion deploy generators for power support worldwide.

Shaving millions from the peak—CPW's Prime Power Loan Program

Fort Bliss, Texas and Fort Gordon, Georgia were the big savers in the CPW Prime Power Loan Program this year. The Texas post saved more than \$2.2 million with a peak shaving project supported by 750 kW generators from the program's inventory. That's net. Some of the savings were used to train generator operators who will keep the savings going.

Fort Gordon, Georgia, saved more than a million dollars. Eight other posts are also taking advantage of support from the loan program to save on power bills.

The program places generators in its inventory at installations to support energy savings, electrical distribution system repairs, or other energy projects

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Public Works *Digest*

In This Issue:

CPW's 1997 Annual Report