

**Federal Network for Sustainability
Member Meeting Minutes
June 1 and 2, 2005
San Francisco, California**

Participants

Alan Hurt (Navy)
Cheri Sayer (GSA)
Brad Wright (Army)
Barbara Lither (EPA Region 10)
Mary Lamb (Air Force)
Brenda Bachman (USACE)
Ray Levinson (USPS)
Patrick Langsjoen (USPS)
Karin King (DOE/NNSA)
Michele Wright (EPA Region 10)
Ray Paulson (Navy)
Laura Kemp (USACE)
Vincent Del Greco (USACE)
Cheryl O'Brien (INL)
Christel VanArsdale (NASA)
David Schaller (EPA Region 8)
Tom Kelly (EPA Region 9)
Frances Schultz (EPA Region 9)
Adrienne Priselac (EPA Region 9)
Michelle Roos (EPA Region 9)
Jim Hartman (Army)
Clare Mendelsohn (Air Force)
Edwin Piñero (OFEE)
L. Hunter Lovins (Natural Capitalism)
Ed Gonzalez (WRPPN)
Susan Sakaki (Sustainable Earth Initiative)
Dave Norem (Sustainable Earth Initiative)
Justine Burt (SAIC for NASA)
Andrew Meiman (BAH)



FNS Meeting Attendees – San Francisco

On-Site Staff

Allison Mensinger (Tetra Tech EM Inc.)

Meeting Host

Mary Lamb – Air Force Western Region Environmental Office

Meeting Location

Booz Allen Hamilton Office

Via Telephone

Chandra Shah (NREL)
Kurt Buehler (NFESC)
Paul Orbuch (WGA)
Judy Walton (Education for Sustainability)
Bob Doppelt (University of Oregon)
Rick Schindell (FLC)
Anna Jones-Crabtree (Forest Service)
Marda Stothers

Total Participants - 37

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Day 1

Introductions

The Federal Network for Sustainability (FNS) Member Meeting commenced with introductions from all attendees.

Initiative Status Updates

Sustainable Buildings

Cheri Sayer (GSA) provided an update on the Sustainable Buildings Initiative (SBI).

Top 7 Objectives of SBI

- Develop high-performance buildings case studies
- Introduce concepts and provide information on sustainable buildings to agency personnel
- Identify what FNS agencies are doing in sustainable design at the regional level
- Design, build, and update an SBI page for the FNS website
- Educate to ensure energy efficiency and security measures are both met
- Identify how best to work with A/E firms and contractors to encourage sustainability
- Coordinate with Interagency Sustainability Working Group to provide value



Actions Taken to Support the Initiative

- Adopted a proposal at the FNS meeting in November 2002
- Completed the Action Plan in November 2003 with 7 objectives
- Currently led by Cheri Sayer (GSA)
 - Anthony Mei (USACE) is considering the co-lead responsibility
- Allocated \$15K in funding
- Keeping membership list current
- Holding bi-monthly SBI conference calls
- Updating the SBI web page
- Hired new contractor to support SBI (Brummitt Energy Associates) through Tetra Tech
- Many agency representatives took a class on Low Energy, Sustainable, and Secure Facilities
- Many agency representatives became Leadership in Energy and Environmental Design (LEED) accredited

Next Steps for SBI

- Continue conference calls – Next call June 29
- Refine membership and recruit new members
- Implement action items for the 7 objectives
- Continually update the web page
- Identify a new co-lead for SBI
- Hold a conference call on buildings topics

For more information on the SBI, visit the SBI website at <http://www.federalsustainability.org/initiatives/sbi.htm>, or contact Cheri Sayer at (253) 931-7392 or Cheri.Sayer@gsa.gov. To receive updated information on green buildings via email, contact Cheri Sayer. These updates may be put onto the FNS website in the future.

Environmental Management Systems (EMS)

Tom Kelly (EPA Region 9) provided an update on the EMS Initiative.

The focus of Phase 1 of the EMS workshops is EMS 101 training. Phase 2 of the workshops focuses on EMS implementation. Phase 3 of the workshops deals with site assessment, management review, and self-certification.

EMS Workshops Phase 3

- Completed four of five Phase 3 EMS Workshops in 2005
- Focus of the workshop was auditing, management review, and self certification. There were 148 in attendance.
- Pre and post test comparison averages for all classes – 86% correct on the pre-test, and 92% correct on the post-test

431 Students Over 3 Years

- 17 Federal agencies and 6 contractors were recipients of the EMS training,
 - 154 Students from DOD
 - 36 Students from USDA and USPS
 - 28 Students from DOI
 - 20 Students from DOE
 - 8 Students from 3 local government agencies
 - 86 Students collectively from EPA, GSA, NASA, NOAA, SSA, Treasury, USGS, FAA, and the Coast Guard (all less than 9)
- The Department of Veterans Affairs had separate workshops
- 27 students (or 6% of the students) attended all three years

EMS What's Next?

- What should FNS do and what role will FNS play?
- Options - proactive vs. passive
 - Web-based reporting of results
 - Less EMS focus but all future initiatives developed to fit in an EMS format
 - Develop a new initiative
 - End the EMS training initiative
- Potential Direction: Web-Based Self-Reporting
 - Show number of FNS facilities that have self-certified or have ISO
 - List objectives and targets for improvement
 - List results in achieving goals/targets
- New targeted focus for EPA - priority chemicals.
 - Workshop designed with EMS/EMP format.



Other ideas on how to continue the EMS initiative within FNS include: (1) continue EMS training and encourage facilities to report directly to the FNS, (2) assist facilities with incorporating their EMS into daily activities, and (3) encouraging senior level management in other departments of agencies within FNS to be accountable for the EMS.

For more information on the EMS initiative, visit the EMS website at <http://www.federalsustainability.org/initiatives/ems.htm>.

Greener Copier Paper

Barbara Lither (EPA Region 10) provided an update on the Greener Copier Paper initiative.

History - One of the First FNS Initiatives

The initiative stemmed from the desire to have paper with the ‘greenest’ possible characteristics:

- Higher recycled content
- No chlorine bleaching
- No old-growth forest content

To Do This, the FNS Encourages a 3-Pronged Approach

- Reduce paper use
- Buy “greener” paper
- Recycle and/or reuse the paper that is used

The FNS Initiative Created Measurements and Tools

- Developed ‘tiers’ or levels of participation
- Created a baseline of participation by the FNS
- Created the paper portion of the FNS website



Successes of the FNS Paper Initiative per the Paper Calculator (<http://www.ofee.gov/gp/papercal.html>)

- Environmental and Energy Footprint showed significant impacts:
 - Energy Usage: 56 billion BTUs
 - Net Greenhouse Gases (CO₂ Equivalents): 8.4 million pounds
 - Solid Wastes: 3.2 million pounds
 - Effluent Flow: 29 million gallons
 - Wood: 8 million pounds
- The initiative also served as a catalyst for behavior change in participating agencies
- Established a new ‘norm’ for federal paper use on the west coast

The Paper Campaign was Actively ‘Sunsetted’ and has Transitioned to Web-Based Support

- Active contractor support was eliminated
- Future emphasis is to be web-based, educational
- Includes support for related activities such as the NW Paper Forum and the upcoming Wheat Straw2Paper meeting in Walla Walla, WA which looks at alternatives to agricultural crop burning

Future of the FNS Paper Initiative

- EPA HQ funded a major upgrade to the paper portion of the FNS website
- Work will make the website more user friendly and interactive and include updated EPP policies
- Work will be completed by December 2005

- After the upgrade, there will be marketing and outreach to inform other federal agencies about the upgrade

For more information on the paper initiative, visit the paper website at <http://www.federalsustainability.org/initiatives/gfcp.htm>, or contact Barbara Lither at lither.barbara@epamail.epa.gov.

Ray Paulson (Navy) also presented information from an article titled “Green Procurement Requirements and the Use of 100% Post Consumer Fiber Paper.” This article includes background information on office paper use in the United States, cost benefits for choosing 100% post-consumer fiber paper, and information about procuring greener copier paper through Boise Cascade Office Products (BCOP) Federal (<http://www.bcopfederal.com/>) or the Recycled Products Cooperative (<http://www.recycledproducts.org/>). For more information or to obtain a copy of the article, contact Ray Paulson at raymond.paulson@navy.mil.

Electronic Products Stewardship

Adrienne Priselac (EPA Region 9) provided an update on the Electronic Products Stewardship initiative.



What is the Federal Electronics Challenge (FEC)?

- The FEC is a purchasing, use, and end-of life management challenge issued for federal facilities or agencies to:
 - Purchase greener electronic products
 - Manage electronic assets in an environmentally sound manner
 - Receive assistance and network with other agencies to improve current practices

Memorandum of Understanding (MOU)

- Signed by 12 agencies on November 15, 2004
- Affirmed the commitment to lead by example in electronics life cycle management
- Process for Federal Electronics Stewardship Summit, first was held in February 2005

Overview of the FEC Program

- Voluntary program focused on education and recognition
- Flexible (lots of choices within parameters)
- Valuable network
- Individual facility determines its:
 - Level of commitment
 - Goal(s)
 - Life cycle phase(s) on which to focus
- Recognition for all participating facilities
 - Partner
 - Bronze
 - Silver
 - Gold

Environmental Goals

- Reduce the environmental impact of the use and maintenance of electronic equipment.
 - Reduce life-cycle impacts of electronic equipment through environmentally preferable purchasing
 - Conserve and protect resources by increasing materials use efficiency, source reduction, and the recovery infrastructure of electronic equipment
 - Reduce the volume and toxicity of electronic equipment waste through environmentally preferable end-of-life management

Performance Measures for Partners

The FEC program helps partners:

- Establish baseline measurements
- Develop goals
- Use standard reporting mechanisms
- Develop partner case studies
- Provide environmental benefit conversions

Incorporating Electronics into Your Agencies' EMSs

- Creates way to get MOU/FEC goals met
- Gives facility staff support and framework for the work they'll be doing
- Electronics may be responsible for significant environmental impacts for most federal facilities

Using the FEC Approach to Meet EMS Objectives

The FEC provides tools and assistance to:

- Meet objectives through specific step-by-step activities
- Identify responsibility by building a team and provides access to other federal agencies' experiences
- Develop goals and measure progress by outlining ways to measure, helping establish baselines, and providing recognition for improvement

Where do Electronics Fit in an EMS?

- Significant environmental aspects:
 - Materials use (purchase of office products)
 - Waste generation
 - Energy use
- Some related objectives:
 - Purchase of electronics will consider price, performance, and environmental attributes
 - Increase office recycling and recycle all batteries
 - Establish power-off policy

EPA offers electronics recycling services through the Recycling Electronics and Asset Disposition (READ) contract. The READ contract provides federal agencies with a dependable method of properly managing electronic inventories, recycling electronic equipment, and disposing of excess or obsolete electronic equipment in an environmentally responsible manner.

For more information on the FEC or READ contract, visit the FEC website (<http://www.federalelectronicchallenge.net>) or the FNS electronic products stewardship website (<http://www.federalsustainability.org/initiatives/eps.htm>), or contact Juan Lopez (Office of the Federal Environmental Executive [OFEE]) (lopez.juan@ofee.gov) or Adrienne Priselac (priselac.adrienne@epa.gov). To be included on the federal facilities listserv, email Adrienne Priselac.

Green Power Procurement

Cheri Sayer (GSA) provided an update on the Green Power Procurement initiative.

Executive Order 13123

- Section 404c of the order discusses electricity use
 - Include renewable power provisions in electricity requests for proposals
 - Can use energy efficiency savings to pay premium
- Renewable Goal: 2.5% by end of 2005
 - “Renewable energy” means energy produced by solar, wind, geothermal, and biomass power
 - The goal can be reached through on-site projects or renewable power purchases
 - Purchases count towards energy efficiency goals

Federal Renewable Energy Goal

- The goal is to reach 1395 GWh by 2005, which is equivalent to 2.5% of federal facility electricity use.
- As of April 2005, the government has reached 1829 GWh. Below is a breakdown of how this was accomplished:

| | |
|-------------------------|-------------|
| Solar Thermal | 10 |
| Biomass Power | 31 |
| Biomass Thermal | 636 |
| Wind | 19 |
| Renewable Power/RECs | 816 |
| Photovoltaics (PV) | 31 |
| Ground Source Heat Pump | 180 |
| Biomass Fuels | 106 |
| TOTAL (GWh) | 1829 |

Who is Buying Renewable Energy?

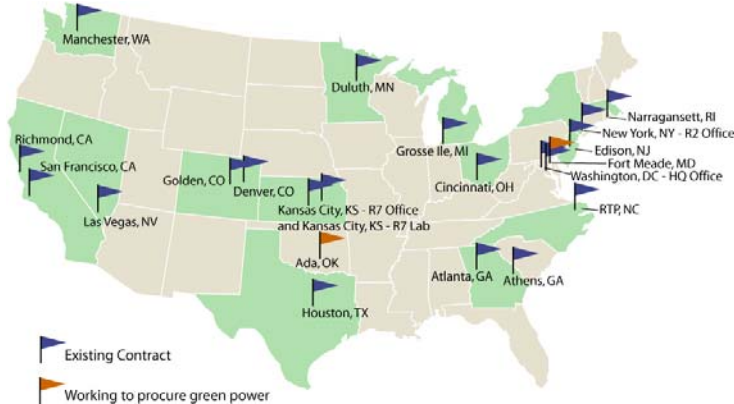
(These are in order from most purchased to least as of September 2004.)

- Air Force
- GSA
- EPA
- DOE
- Other civilian
- Army
- Navy
- NASA
- USDA

Federal Purchasing Methods

- Utility/PMA Green Power Purchase
 - Can be a sole source purchase if serving utility
- Solicitation in competitive electricity markets
 - GSA
 - Defense Energy Support Center (DESC)
- Renewable Energy Certificates (Tags)
 - Competitive acquisition rules apply

Renewable Purchasing Update



EPA Green Power Partnership

- Members include DOE, Air Force, Navy Region South, Army, GSA, NASA Johnson Space Center, USDA Headquarters, NPS Independence National Park
- Top 25 Purchasers
 1. Air Force
 3. EPA
 4. World Bank
 5. GSA Region 2
 20. Navy - Region South
 25. DOE Forrestal & Germantown Facilities
- Green Power Leadership Awards
 - Nomination forms will be available late spring 2005

FNS Membership

- What you can do to get involved in the Green Power initiative
 - Join the FNS Green Power initiative
 - Coordinate with your regional energy contact
 - Determine if your region has met the 2.5% goal
 - Sign on with the EPA Green Power Partnership
 - Investigate green power purchases and on-site renewable projects
 - Incorporate green power into your EMS
 - Do your part to help meet our goals

Green Power Initiative Activities

- Joe Bourg (Millennium Energy) is back on board as contractor support through Tetra Tech
- Acting Lead – Chandra Shah (NREL FEMP)
- Co-Lead – Cheri Sayer (GSA)
- Updated the Green Power Action Plan and FNS website
- Updated the FNS contributions to renewable energy goals

Green Power Initiative Next Steps

- Initiative conference call this summer
- Reach out to FNS members who show limited progress reaching goals
- Support 3 new projects or purchases from FNS members
- Sunset the initiative if there is no new renewable goal beyond 2005

For more information or if you're interested in joining the initiative, contact Chandra Shah at chandra_shah@nrel.gov or Cheri Sayer at Cheri.Sayer@gsa.gov, or visit the FNS website at <http://www.federalsustainability.org/initiatives/gpp.htm>.

Biodiesel Project

Barbara Lither (EPA Region 10) provided an update on the FNS Biodiesel project.

FNS member agencies are partnering with the Federal Laboratory Consortium (FLC), Far West Region (www.zyn.com) to support the West Coast Diesel Emissions Reduction Collaborative to produce a federal sector biodiesel initiative. The West Coast Collaborative is a public-private partnership working to reduce air pollution emissions from diesel sources along the West Coast. The Collaborative is part of an overall national campaign to reduce diesel emissions

Vision for the FNS Biodiesel Project

- Phase one vision - create a "How to Buy and Use Biodiesel Fuels" web reference guide to be readily available to federal agencies on the FNS website with links to other sites
- A second phase of the project would include a survey, supported by the Far West Regional Laboratories, to establish a baseline of west coast federal laboratory and FNS member agency use
- A possible third phase of the project would be to perform training for federal agencies, contingent on obtaining funding from the FLC

FNS Member Agencies Submitted 8 Biodiesel Projects

The projects currently include:

- Biodiesel Web Reference Manual
- Brooks Camp Biodiesel
- Denali National Park Biodiesel
- Puget Sound Marine Biodiesel
- Small Watercraft Biodiesel Test
- I-5 Biodiesel Refueling Station
- Ft. Lewis Biodiesel
- Region 9 Biodiesel Research

For more information, contact Barbara Lither at lither.barbara@epamail.epa.gov, or visit these websites: <http://www.westcoastcollaborative.org/> and <http://www.federalsustainability.org/initiatives/biodiesel.htm>.

Kurt Buehler also provided an update on the Navy's biodiesel program. He is hoping to allocate \$25K to the FNS to provide training on biodiesel to federal and state agencies. For more information on the Navy's biodiesel program, contact Kurt at kurt.buehler@navy.mil.

Committee Reports

Newsletter Committee

Cheryl O'Brien (INL) provided an update on the FNS newsletter.

A committee conference call was held in May 2005 to discuss the logistics of continuing the FNS newsletter. During the call the following decisions were made:

- Four pages is a good length
- It should be distributed twice a year (between FNS meetings)
- We can do special editions
- It will include two sustainability successes at a time
- There should be an attention-grabbing article on the cover
- It will include two spotlights (on individuals) in each article
- It will include small articles (“Did you know?”)
- It will include interesting websites



For the next edition, the group is hoping have a story about OFEE and Ed Piñero on the cover with spotlights on Tim Hudson (for Denali National Forest) and Barbara Lither (for biodiesel). Later edition cover stories will focus on individual initiatives.

To submit an article, include:

- A picture (preferably in JPEG format)
- Two paragraphs
- A point of contact or website link

Cheryl O'Brien (Cheryl.O'Brien@inl.gov) is the contact person for the newsletter. If you have topics of interest that you would like to see in the newsletter, let her know. If you want to include someone that is not already on the distribution list, let her know.

Funding and Contractor Tasking

Cheri Sayer (GSA) provided an update on the Funding and Contractor Tasking Committee. The committee is currently represented by Cheri, Barbara Lither (EPA Region 10), Al Hurt (Navy), and Hayden Street (Navy).

Committee Responsibilities

- Responsible for ensuring FNS funding is properly accounted for
- Ensuring tasks are issued consistent with FNS budget and priorities
- Advising the Steering Committee and membership on the use of funds, the balance of funds, future funding needs, and contracting mechanisms

Actions Taken Since the December 2004 Meeting

- In May, the FNS received new funding:
 - \$5,000 for the newsletter from the Navy
 - \$19,325 for the paper and EMS initiatives from EPA



- Redirected \$9,000 from “Other Initiatives” to Admin funding for May and June
- Put a new work order in place for Admin
- Approved Tetra Tech invoices
- Still attempting to resolve issues with USACE billing

Bringing in the Money

- Administrative funding is primarily the responsibility of the Steering Committee
- Initiative leads recruit funding sponsors from their membership for that initiative
- All member agencies can contribute to the cause

Funding/Tasking Process

- Agency representatives must alert Cheri by e-mail that funding is coming in to FNS. This is very important!!
- The agency representative acts as the go-between to help get the funding through to GSA
- See additional details in the “How to Fund FNS” document

Next Steps

- Modify the GSA contract with Tetra Tech to add the new funding
- Put new work orders in place for the newsletter and paper and EMS initiatives
- Develop ideas from the “Funding Matrix”
- Look for additional funding for Admin for FY05
- Maintain funding tracking systems
- Continue to tutor Hayden Street on FNS funding and invoice processes
- Work through invoicing and funding kinks

The FNS budget and instructions for funding FNS activities are available. If you have questions, please contact Cheri Sayer at Cheri.Sayer@gsa.gov.

Membership Committee

Mary Lamb (Air Force) provided an update on the Membership Committee.



The goal of the committee over the next few months is to update the Statement of Unity (SOU) with current signatures and a new design for the signature placements. Fort Lewis had previously offered to do the graphics for the SOU. The committee came up with four proposals for how to format the signatures, and the Steering Committee will decide on which format use.

Also, the FNS membership packet is available for distribution; however, it also needs to be updated (to include the 2004 Annual Report and FNS newsletter).

For more information on the Membership committee, contact Mary Lamb at mary.lamb@brooks.af.mil.

Website Committee

Laura Kemp (USACE) provided an update on the FNS website.

There are currently two websites that link to the FNS web page – federalsustainability.org and federalsustainability.net. Laura has ideas for creating discussion tools, an interactive calendar, or a place for inputting suggestions on the website in the future.

If you have information to include or comments on the website, please send them to Laura at laura.d.kemp@usace.army.mil or fns@federalsustainability.org.

World Environment Day Update

Many activities are taking place in San Francisco for World Environment Day, and some members will have the opportunity to participate after the FNS meeting.

Air Force Natural Infrastructure Capabilities and Requirements Management (NICRM)

Clare Mendelsohn (Air Force) was the guest speaker during the brown bag lunch. She presented information on NICRM and some examples of how it works. To view the complete presentation, visit the FNS website at <http://www.federalsustainability.org/meetings/AFCEE.ppt>.



Performance and Results

Al Hurt (Navy) led a group discussion on how the FNS can



begin to measure performance and results within the initiatives and participating agencies. The annual report is a very important tool for the FNS; however, in order for it to be useful and effective, all FNS agencies will need to provide input. The following questions were raised about the annual report: (1) how can we build on the annual report and (2) should we add performance metrics to the report? Ideas that emerged from the discussion included:

- Building a database that specifies a format for inputting metrics and information. The database could then supply a report with standardized information for all agencies.
 - Laura volunteered to create an on-line database through the FNS website in which agencies can submit their accomplishments.
- Using individual agency metrics and accomplishments to capture a summary of what all FNS is doing.
- Providing suggestions or guidelines for inputting information into the current spreadsheet by asking agencies how they are meeting the

objectives of the initiatives.

Some members prefer to read the “story” aspect of the report (vs. all numbers). Cheri then reminded everyone that the FNS’ first focus should be to get all agencies involved.

It was decided that the report would be updated no more than twice a year (between FNS meetings). The goal for 2005 was to have it updated by mid-August; however, there is no administrative funding to assist with this task.

On Day 2 of the meeting, Al asked Ed Piñero his thoughts on the annual report. Ed responded that he likes the report and had the idea of potentially including it in his report to the President on what different agencies are doing about sustainability. The discussion that followed his comments revolved around the FNS taking care not to include information that wasn't exactly accurate or up-to-date in a report that would go to the President.

FNS Central and East Coast

Jim Hartman (Army) provided an update on what other areas of the country are doing to implement a group like the FNS.

Jim tried to implement the FNS on the east coast, but it never took hold because there wasn't a "champion" fighting for it. Jim tried to be the champion, but he previously didn't have a lead role within DoD. Currently, Jim has a lead role in Region 5 (central). He has talked to Ed Piñero about creating an FNS Central group, and Ed suggested an FNS group that encompasses Regions 5, 6, and 7. Right now, Jim is starting small by trying to implement an FNS within Region 5 only. Jim's goal is to have something in place in this region by the end of FY05. The Region 5 group would include federal agencies, and the partnerships already in place there would not go away. The reason to keep the FNS alive in this area is that the current partnerships only focus on one specific topic, whereas the FNS is much broader in scope. When approached about joining the FNS, the agencies in Region 5 were concerned about their return on investment for participating, but Jim was able to get support and buy-in from the higher-ups by showing them what our FNS is doing.

Jim also mentioned that a new champion will be starting an FNS group on the east coast soon.

For more information about either the FNS Central or FNS East Coast groups, contact Jim Hartman at james.hartman1@us.army.mil.



Western Regional Pollution Prevention Network (WRPPN)

Ed Gonzalez (WRPPN) presented an introduction to the WRPPN. The WRPPN was established in 1997 by EPA to disseminate and promote pollution prevention information and practices. The network is a member of the Pollution Prevention Resource Exchange (P2Rx) and the National Pollution Prevention Roundtable (NPPR). The P2Rx included NEWMOA (covering Regions 1 and 2), WRRC (Region 4), GLRPPR (Region 5), ZeroWaste Center (Region 6), P2RIC (Region 7), Peaks to Prairies (Region 8), WRPPN (Region 9), and PPRC (Region 10).

Information Dissemination

- Website
- Advisory board
- Conferences

Website Features and Services

- A regional listserv

- Topic Hub information
- Information on regional issues
- Region 9 programs directory
- Online P2 publications search (with access to over 25,000 P2 documents, fact sheets, and manuals)
- Information on the annual WRPPN conference
- Information on the WRPPN advisory board
- Regional calendar of events
- Regional news
- P2 Wizard

What is a Topic Hub?

Web-based guides to peer-reviewed pollution prevention information and expertise on a particular subject. They all include:

- Background and overview
- Operations
- P2 opportunities
- Legislation
- Program directory
- Links

A few examples among the over 45 topic hubs currently available include: aerospace, electronic waste, U.S.-Mexico border, mercury, printing, and youth education.

If you can't find the information you are looking for under the topic hubs, you can use the P2 Wizard, which is an on-line rapid response service that will answer any P2 question you have or find the P2 information you are searching for.

WRPPN Advisory Board

- Representation from programs throughout the region focused in all environmental media
 - Local programs
 - State programs
 - Federal programs
 - Non-profit organizations
 - Academia
- California Consortium of Pollution Prevention Committees (C2P2C)
- Meets twice a year
- Responsibilities include:
 - Develop the agenda for the annual conference
 - Identify and invite individuals to present at the conference
 - Identify Region 9 "hot issues"
 - Contribute to, support, and maintain the WRPPN



WRPPN Conferences

- Average about 200 participants
- Participants represent all levels of government, academia, non profit organizations, and private business
- Have evolved into one of the premier P2 conferences in the U.S.
- Are held annually

2005 WRPPN Conference

- Granlibakken Conference Center, Tahoe City, California
- September 28 through 30
- Online registration available at the end of June at www.wrppn.org
- The agenda is available on the website

For more information about the WRPPN, contact Ed at (775) 689-6675 or raulg@unr.edu.

Western Governors' Association (WGA)

Via telephone, Paul Orbuch (WGA) provided an introduction to the WGA and discussed how the FNS and WGA can work together.

The WGA is based in Denver, and there are 21 governors on the board of directors. Their mission for 2004-2005 is to:

- Protect threatened and endangered species
- Examine ways to improve the environmental permit process
- Strengthen state and federal energy policy and systems
- Improve drought preparedness and ensure western water supply and quality
- Restore and maintaining healthy forests and rangelands in the west

The WGA already works with a lot of federal agencies, and they are interested in collaborating with the FNS. Two ideas that Paul discussed regarding FNS involvement in the WGA were:

- Participation in the Clean and Diversified Energy Initiative
 - This involves working with stakeholders on how to develop 30,000MW of electricity in the west.
 - FNS can get involved by being on the task force for this initiative (right now, they only want one person as the point of contact for FNS).
- Attendance at the annual meeting in June in Colorado
 - At the meeting, a new chairman of the board (the governor of Arizona) will be announced.
 - The new chairman will announce her focus on sustainable development.
 - There may be a role for FNS under her new focus. This role can be defined in the future.
 - Future participation would include two meetings a year and a monthly conference call.

For more information about the WGA, visit their website at <http://www.westgov.org/>.



Day 2

Introductions

Day 2 of the FNS Member Meeting commenced with a review of the agenda by Al Hurt (Navy) and introductions of all guest speakers. Al Hurt also asked Ed Piñero to sign the FNS Statement of Unity.

Office of the Federal Environmental Executive (OFEE)

Ed Piñero (OFEE) provided a presentation on *Promoting Sustainability in the Federal Government* to the group.

Highlights

- We've made great progress getting here
- Lots of folks are working on sustainability in the federal government
- And we've got a big vision

“Sustainability” according to OFEE: sustainable environmental stewardship includes those concepts, strategies, tools, practices, and approaches that lead to environmental improvement in a manner that is sustainable over time, considers the long term effects as well as the shorter term, more immediate effects, and that contributes positively, even if indirectly, to the social and economic condition.

Over the last 30 years ...

- Our economy grew 164%
- Our population grew 39%
- Our energy consumption increased 42%

We've made incredible progress

- Key air pollutants have decreased 25%
- Toxic releases are down 48%
- The number of citizens who benefit from modern wastewater treatment doubled
- Energy use has grown at 1/4 of economic growth
- Renewable energy generation is up 30%
- Our health is improving – life expectancy is a record 77.4 years



Federal Government's Progress

- Cut building energy intensity by 23%
- Cut greenhouse gas emissions by 2.8 million metric tons
- Tripled renewable energy purchases
- 125 federal buildings are Energy Star-rated
- Accomplished significant waste reduction and recycling

... But Challenges Remain

The President has called on the federal government to:

- Lead by example
- Be a good steward of our resources
- Be a good neighbor
- Be efficient

The Office of the Federal Environmental Executive was created by an executive order in 1993. It is funded by EPA and reports to the White House CEQ. Over time, its responsibilities and mission have grown.

What OFEE Does

Mission: Promote sustainable environmental stewardship throughout the federal government

Strategic Tool: Environmental management systems

Sustainable Practices:

- Waste prevention and recycling
- Green purchasing
- Green buildings
- Electronics stewardship

How They Do It

- Training and awareness
- Sharing success stories, lessons learned, and best practices
- Measuring and reporting
- Facilitating dialogue
- Creating and expanding networks
- Being a liaison within the Administration

What OFEE is Not

- A regulatory body
- A rulemaking body
- An enforcement body
- A funding source
- A legislative or lobbying entity
- An EPA “office”

Other Groups doing Similar Things

- Federal Network for Sustainability
- ECOS-DOD Sustainability Work Group
- Interagency Sustainability Work Group
- Federal Green Building Council
- Office of Science and Technology Policy
- EPA Office of Sustainability (ORD)

EPA’s P3 Strategy

- Beyond P2
- People, Prosperity, and Planet
- Student design competition
- Working to pull together various efforts

State Department’s Partnerships

- Link environmental stewardship, economic growth, and social development to lift people out of poverty
- \$5 billion increase (3 years) in development assistance
- \$15 billion (5 years) to fight HIV/AIDS, TB and malaria



- More than 20 partnerships – from Congo Basin Forests to Coral Reefs
- www.sdp.gov

Using EMS as the Framework for Sustainability

- Health and safety
- Compliance
- Security
- Energy
- NEPA (adaptive management)
- Green buildings
- Green purchasing
- P2, waste prevention, and recycling
- Electronics stewardship
- Real property asset management

Five Strategies for Sustainability

1. Integrate our environmental work
2. Integrate environmental issues into our mission
3. Integrate environmental issues across jurisdictions
4. Integrate decision-making across time
5. Integrate sustainability into our lives

The 6th strategy would be integrating environmental issues into policy.

What's Next?

- FNS-equivalents across the country!
- A national federal network or council to bring ideas and concepts together and possibly help set vision and strategy
- Need to clearly show relationship between sustainability concepts and practices
- Need champions!!!!

For more information on OFEE, visit their website at <http://www.ofee.gov/>. To view the complete presentation, visit the FNS website at <http://www.federalsustainability.org/meetings/Ed%20Pintero.ppt>.

Natural Capitalism Solutions

L. Hunter Lovins provided a presentation on the Presidio World College MBA in Sustainable Management as well as natural capitalism solutions to the group. To view the complete presentation, visit the FNS website at http://www.federalsustainability.org/meetings/FNS_LOVINSnh.pdf.



University of Oregon, Sustainability Leadership Academy

Via telephone, Bob Doppelt, the Academic Coordinator for the Sustainability Leadership Academy, provided an introduction to the University of Oregon's program. The Sustainability Leadership Academy offers professional development seminars on sustainability practices. The academy grew out of the need for training and education on the existing sustainable technologies. The academy offers classes to anyone that wants to attend, including students, non-profit leaders, and local, state, and federal government managers and staff. The academy's local government track of courses offers on-site half and full-day

seminars on topics applicable to agency staff. These can include such courses as “Sustainable Fleet Management” or “Learning and Knowledge Management for Sustainability.” For more information on the Sustainability Leadership Academy, visit their website at <http://center.uoregon.edu/sustainability/>.

Education for Sustainability, Western Network (EFS West)

Via telephone, Judy Walton, Executive Director for EFS West, provided an introduction to the program. EFS West is a professional association and network of individuals, institutions, nonprofits and businesses interested in integrating sustainability into higher education in the West. The program provides specialized trainings and workshops, resources and information, publishing opportunities, conferences, research support, and funding for special projects. They are currently working with campuses in 14 states to implement sustainable ideas into teaching, research, campus operations, and community outreach. They also send out weekly bulletins on higher education and sustainability. EFS West is always looking for partnerships, and they hope to be able to find a way to work with the FNS in the future. For more information about EFS West, visit their website at <http://www.efswest.org/>.

West Coast Collaborative on Biodiesel

Michelle Roos (EPA Region 9) provided an introduction to the collaborative.

Diesel Emissions Pose a Significant Environmental Health Problem

- Diesel exhaust
 - Has serious health impacts
 - Is a possible human carcinogen
 - Degrades air quality
 - Contributes to climate change



Some Groups are More at Risk

- People with heart or lung disease
- Older adults
- Children

Particulate matter (PM) in Diesel Exhaust is the Driver of Risk

- Mix of particles and liquid droplets
- Considerably smaller in size than a human hair
- Penetrates deeply into the lungs

The west coast has the most severe PM exceedances in the country, and nitrous oxide from diesel exhaust contributes to the ozone problem. Oregon ranks diesel PM as the #1 hazard for all air pollutants statewide, as does Washington for cancer effects.

EPA Regulations

- EPA regulates fuels and new engines
- Clean Diesel Truck and Bus Rule, December 2000
- Clean Air Nonroad Diesel Rule, May 2004
 - When fully implemented in 2030, this will annually prevent up to:
 - 12,000 premature deaths,
 - one million lost work days,
 - 15,000 heart attacks and
 - 6,000 children's asthma-related emergency room visits.
- Combined, these stringent regulations will achieve \$100 billion in health benefits

- But what can be done with the 11 million engines in use today?

EPA's National Voluntary Programs have been Very Successful

- Clean School Bus USA Program
 - \$10 million granted since 2003
 - \$7.5 million appropriated in 2005
- Smartway Transport Partnership
 - \$1.7 million granted in 2004
 - \$5 million appropriated in 2005
- Voluntary Retrofit and Replacement Program
 - \$5 million granted since 2000

Other Federal and State Incentive Programs are Also Addressing this Issue

- California's Carl Moyer Program
- Washington's Diesel Solutions Program
- Oregon's Clean Diesel Initiative
- US DOT's Congestion Mitigation Air Quality funds
- US DOE's Clean Cities Program

As Part of EPA's National Program, the Collaborative Seeks to do Even More

- The goal of the collaborative is to reduce diesel emissions in the most impacted communities by
 - Supporting and bringing attention to the many highly successful existing efforts
 - Creating a forum for information sharing along major transportation corridors in the west
 - Leveraging significant new resources
 - Developing and implementing projects

The Collaborative Includes Public, Private, and Non-Profit Partners

- EPA, DOE, DOT, USDA
- State and local leadership in California, Washington, Oregon, and Alaska
- Environment Canada and Mexico SEMARNAT
- Private and non-profit sector partners
- Over 500 participants

Five Workgroups Address Different Industry Sectors

- Marine Vessels and Ports
- Trucking
- Locomotives and Rail
- Construction and Distributed Generation
- Agriculture

Early Accomplishments Demonstrated the Effectiveness of the Collaboration

- On September 30, 2004, the collaborative showcased 8 events spanning the entire west coast
- Tremendous press coverage was received in every major media market from Seattle to San Diego

Collaborative Partners are Currently Developing Additional Reduction Projects

- Collaborative partners are developing specific proposals for large-scale, regional diesel emissions reduction efforts including:
 - Truck idle reduction projects along I-5 and I-80
 - Locomotive idle reduction projects at major switcher yards in the west

- Port equipment retrofits and a comprehensive strategy to implement cold-ironing at major ports along the coast
- Cleaner fueling infrastructure along major transportation corridors
- Agriculture pump retrofits and electrification in the San Joaquin Valley

More Can Be Done

- California estimates that it would take over \$2 billion of diesel reduction projects to achieve healthy air
- The collaborative enhances state and local efforts to improve the health and economy of the west
 - Every dollar spent creates \$13 in health benefits
 - Investments in new technologies lead to economic development opportunities



For more information on the West Coast Collaborative, visit their website at <http://www.westcoastcollaborative.org/>, or contact Michelle at roos.michelle@epa.gov or (415) 947-4187.

Far West Lab Consortium

No formal presentation on this topic was provided, but the consortium is actively supporting the biodiesel initiative.

Sustainable Earth Initiative (SEI)

Sue Sakaki (SEI) provided an introduction to the SEI. The SEI is dedicated to the principles of sustainability – operating today in a way that does not degrade or deplete the resources of tomorrow. Projects of the SEI include the EPA Public Entity EMS Resource (PEER) Center, the EMS State Leadership Program, and Toxic Trash.

PEER Center

- Conceived and developed by EPA Office of Water
- Since 1997, assisted over 30 public agencies
 - Public works, wastewater treatment, ports, universities
- Demonstrated that public entities can achieve significant benefits from EMS implementation
- Some PEER-assisted entities include
 - Arlington County, VA
 - City of Scottsdale, AZ
 - Port of Houston, TX
 - University of Massachusetts, MA
 - King County Solid Waste, WA
 - City of San Diego, CA
- Offer a website (www.peercenter.net)
- Provide EMS guidelines
- Local resource centers

PEER Local Resource Centers

- 11 organizations nationwide to help local governments and public agencies
 - Sustainable Earth Initiative
 - Zero Waste Alliance

- University of Colorado
- Kansas State University
- Texas Commission on Environmental Quality
- University of Florida
- Georgia Tech
- Virginia Tech
- University of Massachusetts - Lowell
- Purdue University
- University of Missouri – Rolla

EMS Elements

- Reviewing the organizational environmental goals
- Analyzing its environmental impacts and legal requirements
- Setting environmental objectives and targets to reduce environmental impacts and comply with legal requirements
- Establishing programs to meet these objectives and targets
- Monitoring and measuring progress in achieving the objectives
- Ensuring employees' environmental awareness and competence
- Reviewing progress of the EMS and making improvements

EMSs Cover a Range of Topics

- Energy Efficiency
- Water Conservation
- Waste Reduction
- Recycling
- Transportation
- Pollution Prevention
- Procurement Efficiency
- Preserving Natural Systems

Benefits of EMS Implementation

- Environmental performance improvement
- Enhanced compliance management, reduced risk
- Operational cost Savings
- Pollution prevention
- Increased employee awareness and morale
- Enhanced public image

EMS = Management

EMS is not just about the environment...

- Environmental
- Regulatory compliance
- Human resource management
- Financial
- Operational efficiency
- Communication
- Risk reduction



Sustainable Earth Initiative

- SEI is a non-profit organization
- The co-founders are experienced environmental consultants
- Staff available include environmental professionals with EMS experience as well as in :

SEI EMS Services

- Training
 - 1 day overview, 3 day implementation training
 - Customized to the needs of the organization
- Implementation program
 - Workshops and onsite consultations
- Coaching and consulting
- Assistance in EMS program enhancement

SEI Sustainability Services

- Training
 - Sustainability approaches
 - The natural step
- Group Process Facilitation
 - Strategy development, brainstorming, backcasting, etc.
- Environmental performance metrics
- Outreach and awareness strategies

For more information on SEI, visit their website at www.sustainableearthinitiative.org, or contact Sue at (510) 531-5377.

After Sue's presentation, Al presented L. Hunter Lovins and Mary Lamb with certificates of appreciation for attending and hosting the meeting, respectively.

