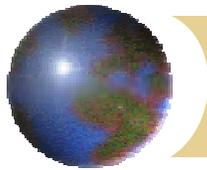


# 2003 Air Emissions Conference

## *Web Inventory Implementations in Pennsylvania*

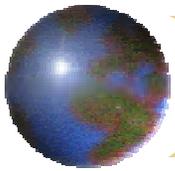
*Reducing Burden, Increasing Quality, and Changing Business  
... the Other Things to Think About*

San Diego, CA – April 29, 2003

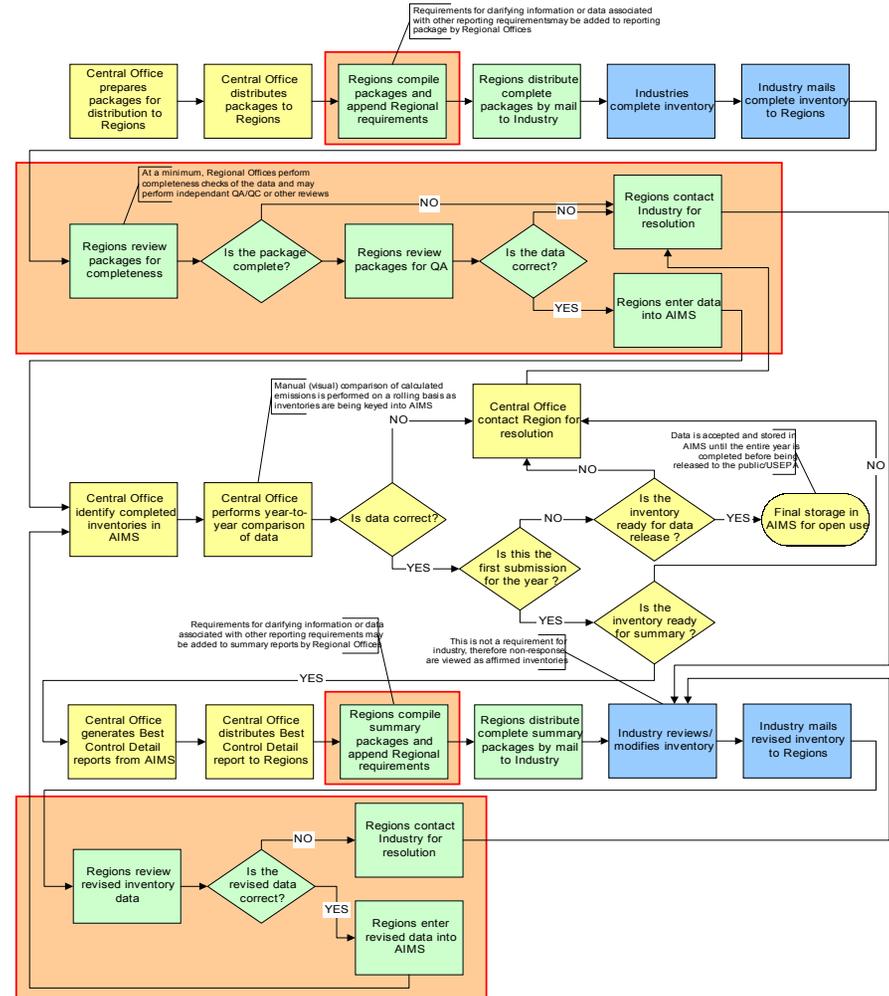
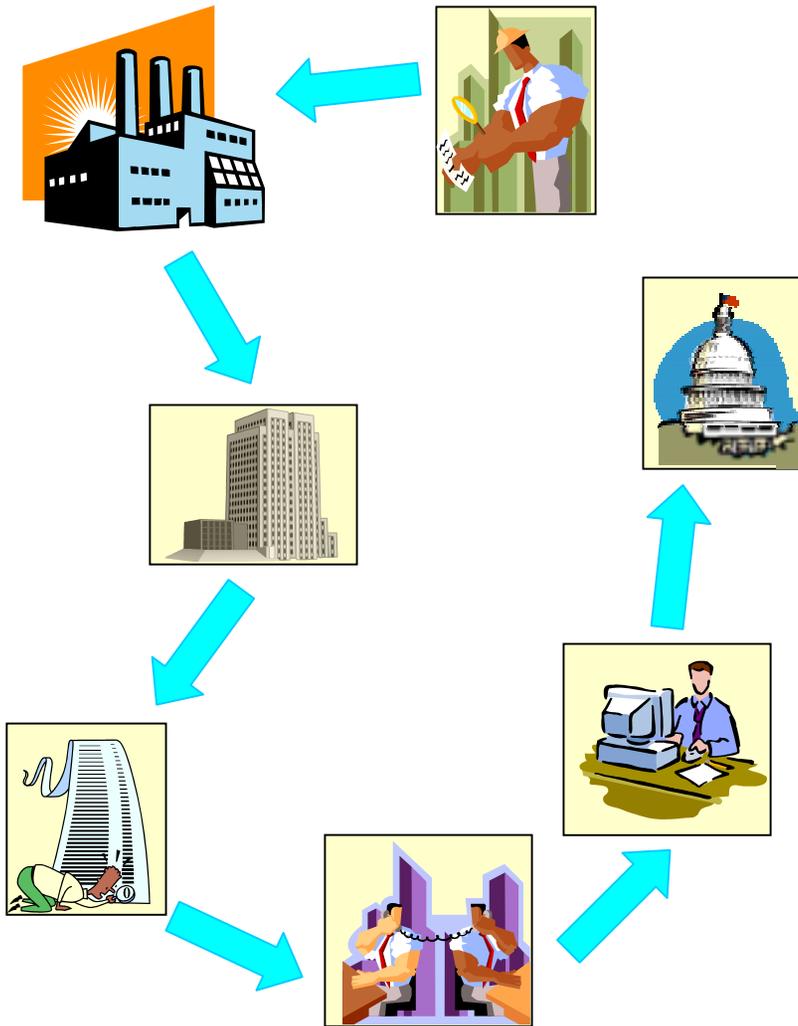


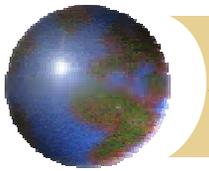
## eINVENTORY Initiatives

- **Business Analyses and Requirements Gathering**  
*State-wide inventory process, EPA-reporting*
- **Pilot Development and Participation**  
*EPA's EDI and XML pilots, PA's EDI and XML pilots*
- **Prototyping of Near-term Systems**  
*Web application and XML from Industry*
- **Full System Migrations**  
*AIMS to Client Server and Integration of EFACTS*
- **Production System Development**  
*AIMS, eINV, Management Reports, NIF Tools*

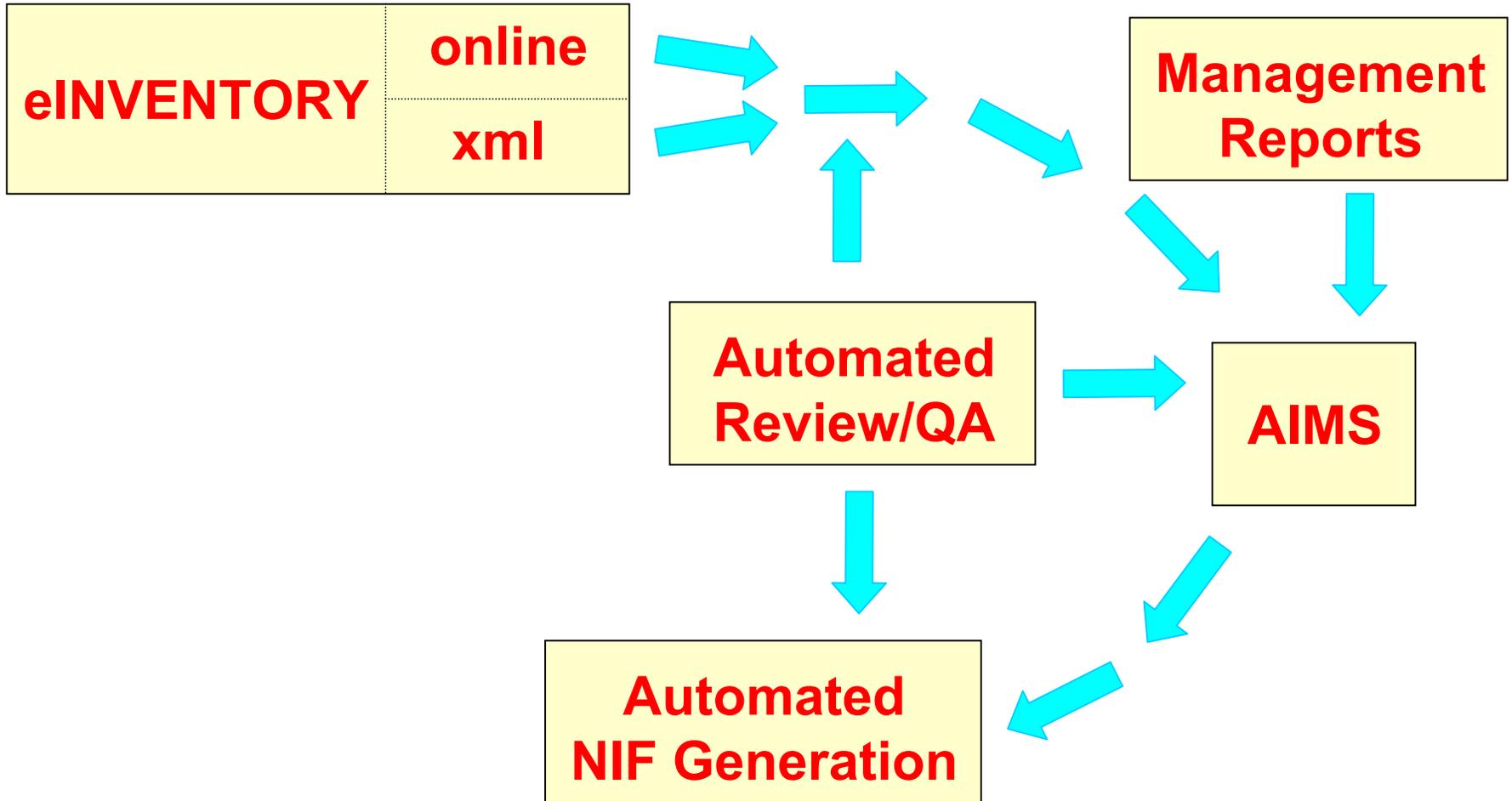


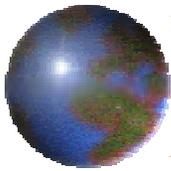
# The Current Emission Inventory Process





# The Automated Emission Inventory Process





# The Air Information Management System (AIMS)

The screenshot shows the main menu of the Air Information Management System (AIMS). The interface is titled "Main Menu" and is part of the "Department of Environmental Protection Bureau of Air Quality". The central heading is "Air Information Management System (AIMS)".

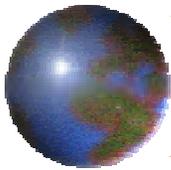
**Menu**

- Permits
- Facilities
- Emissions
- Emission Fees
- Compliance
- Samples
- Ambient Monitoring
- Administration
- Reports

**Links**

- [Air Quality Home Page](#)
- [AIMS Online Help](#)
- [AIMS Web Reports](#)
- [eFACTS \(Internal\)](#)
- [eFACTS \(External\)](#)

**eFACTS**  
Compliance Info



# Web-Based eINVENTORY

DEP Air Information Management System - Emissions Inventory - Microsoft Internet Explorer

File Edit View Favorites Tools Help

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF AIR QUALITY

### 2002 Emission Inventory Production Report

#### SUNBURY GENERATION LLC/SUNBURY SES

<b>Tax ID/Plant Code:</b>	39-1964612-1	<b>PF Id:</b>	4612
<b>Region:</b>	WILLIAMSPORT		
<b>County:</b>	Snyder	<b>Municipality:</b>	Shamokin Dam
<b>SIC:</b>	4911 - Trans. & Utilities - Electric Services		
<b>NAICS:</b>	221112 - Fossil Fuel Electric Power Generation		

Contact	Name	Address	Telephone
FIRM	R Oswald	1088 Springhurst Dr Green Bay, WI - 54304	920-433-1395
LOCAD		Old Trail Rd Shamokin Dam, PA - 17876	
CORP	R Oswald	1088 Springhurst Dr Green Bay, WI - 54304	920-433-1395
FEEAD	L Schmidt	1088 Springhurst Dr Green Bay, WI - 54304	920-433-1285
INSP	B Moore	Old Trail Rd - General Delivery Shamokin Dam, PA - 17876	570-884-1247
PRMT	R Oswald	1088 Springhurst Dr Green Bay, WI - 54304	920-433-1395
REOFF	T Jensky	1088 Springhurst Dr Green Bay, WI - 54304	920-490-6040

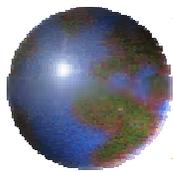
#### SITE LOCATION INFORMATION

<b>Map:</b>	0-51.62	<b>Latitude:</b>	40 deg, 50 min, 16.30 sec N
<b>Elevation(Ft):</b>	470	<b>Longitude:</b>	76 deg, 49 min, 31.33 sec W
<b>UTM:</b>		<b>Zone:</b>	18
<b>North:</b>	4522.2	<b>East:</b>	346.1

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DEP Home | Contact DEP | Help | Logout

- Home
- Fuel Usage Summary
- Site Pollutant Summary
- Show Problem Sources
- Source Types
  - Combustion Units
    - Incinerators
    - Control Devices
    - Processes
  - Fuel Material Locations
- Source: CU 031
  - View Map
  - SCC: 10100501
    - Add New Schedule
    - Schedule 1
  - SCC: 10100222
    - Add New Schedule
    - Schedule 1
    - Schedule 2
  - SCC: 10100801
    - Add New Schedule
    - Schedule 1
- Manual Emissions
- Misc. Emissions
- Document Attachments
- Notes
- SUBMIT Report to DEP



# Inventory Management Tools

The screenshot shows a web browser window titled "eInventory Login - Microsoft Internet Explorer". The address bar is empty. The menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The main content area features the DEP logo (Pennsylvania Department of Environmental Protection) and the text "Bureau of Air Quality". The user is logged in as "User: rudawski" with "Schema: PROD" and "Inventory Year: 2001". A navigation bar contains "NIF Extract Options", "NIF Quality Control", "Management", and "Logout". The main content area displays a welcome message for "MICHAEL!!" and a detailed welcome to the "Bureau of Air Quality Emission Inventory Management website". It explains that the application is used for generating emission inventory-related management reports and performing QA/QC on the National Emission Inventory (NEI) dataset for submission to the USEPA. Contact information for Carrie Eastman is provided: 717-783-5974 or ceastman@state.pa.us. The footer contains the copyright notice: "© Copyright 2003 Pennsylvania Department of Environmental Protection. All Rights Reserved."

eInventory Login - Microsoft Internet Explorer

File Edit View Favorites Tools Help

 Bureau of Air Quality User: rudawski Schema: PROD Inventory Year: 2001

NIF Extract Options NIF Quality Control Management Logout

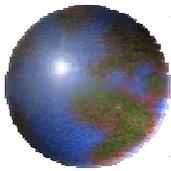
Welcome MICHAEL!!

**Welcome to the Bureau of Air Quality Emission Inventory Management website.**

Using this application BAQ staff can generate emission inventory-related management reports, generate and perform QA/QC on the National Emission Inventory (NEI) dataset for submission to the USEPA.

If you have any questions or need help, please contact Carrie Eastman at 717-783-5974 or email her at [ceastman@state.pa.us](mailto:ceastman@state.pa.us).

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# NIF Generation

eInventory Login - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Bureau of Air Quality User: rudawski Schema: PROD Inventory Year: 2001

**NIF Extract Options** NIF Quality Control Management Logout

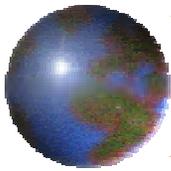
Load Data  
Load Data Results  
Generate Files  
Extract Details  
Extract Log

**Welcome to the Bureau of Air Quality Emission Inventory Management website.**

Using this application BAQ staff can generate emission inventory-related management reports, generate and perform QA/QC on the National Emission Inventory (NEI) dataset for submission to the USEPA.

If you have any questions or need help, please contact Carrie Eastman at 717-783-5974 or email her at [ceastman@state.pa.us](mailto:ceastman@state.pa.us).

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# NIF QA/QC

**eInventory Login - Microsoft Internet Explorer**

File Edit View Favorites Tools Help

**Dep**

Bureau of Air Quality User: rudawski Schema: PROD Inventory Year: 2001

**NIF Extract Options** **NIF Quality Control** **Management** **Logout**

Welcome MICHAEL!!

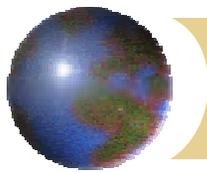
**Welcome to the Bureau of Air Quality Emission Inventory Management website.**

Setting QA/QC staff can generate emission inventory-related forms to form QA/QC on the National Emission Inventory (NEI) to the USEPA.

If you have any questions, please contact Carrie Eastman at 717-783-5974 or email H...@pa.us.

- PF Emissions
- PF Count
- PF w/Invalid SIC/NAICS
- Missing eFACTS Address
- PF Anomalies Details
- eInventory Settings
- Validation
  - Stack Height
  - Heat Content
  - Exit Gas Temperature
  - EXIT Gas Velocity
  - Quarterly Tput Percents
  - Sub Facility Orphans
  - Invalid Days/Week
  - Invalid Hours/Day

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# Management Reports

**eInventory Login - Microsoft Internet Explorer**

File Edit View Favorites Tools Help



**Bureau of Air Quality** User: rudawski Schema: PROD Inventory Year: 2001

**NIF Extract Options** **NIF Quality Control** **Management** **Logout**

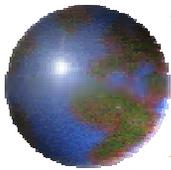
**Welcome MICHAEL!!**

**Welcome** **Air Quality Emission Inventory**  
**ment website.**

Using this application BAQ staff can generate emission inventory-related management reports, generate and perform QA/QC on the National Emission Inventory (NEI) dataset for submission to the USEPA.

If you have any questions or need help, please contact Carrie Eastman at 717-783-5974 or email her at ceastman@state.pa.us.

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# AQ Intranet Site

http://www.aq.pde.pa.gov/ - Microsoft Internet Explorer

Dr. Edit View Favorites Tools Help

**Bureau of Air Quality**

Joyce E. Epps, Director

**Browse These Links**

**Divisions:**

- Director's Office
- Assistant Director's Office
- Air Information
- Air Quality Monitoring
- Air Resource Management
- Compliance & Enforcement
- Permits
- Source Testing & Monitoring

**Directory:**

- Phone Lists
- Calendar
- AMS Homepage
- CCM Staff
- Home Cook
- Travel and/or Training Request
- Contacts & Meetings
- Word Blog

**Welcome to the Bureau of Air Quality**

**EFFECTIVE IMMEDIATELY**

Procedure for seeking approvals for Out-of-State Travel/Training requests for central office staff.

- Employee completes the STD-270 out of State Training Authorization form for all requests for out of state travel or training request. In the "description" area, please make sure you provide adequate justification for your request. Also indicate if all or what portion of the travel/training is Title V related.
- Employee signulates the form and submits to immediate supervisor.
- Supervisor reviews the requests and approves/rejects the request by signing/initialing in the appropriate box.
- If approved, supervisor forwards the request to the Assistant Director who will review the accounting source and initial the request above the supervisor's signature box.
- The request will then be forwarded to the Bureau Director who will review the request and if acceptable, will initial the form above the supervisor's signature box and forward the request to the Deputy Secretary's office.
- If approved by the Deputy Secretary's office, his/her signature will appear in the "Agency Approval" box.
- If the "approved" request requires any "registration Fee" or

http://www.aq.pde.pa.gov/amsreports/homePage.asp - Microsoft Internet Explorer

Dr. Edit View Favorites Tools Help

Address http://www.aq.pde.pa.gov/amsreports/homePage.asp

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**BUREAU OF AIR QUALITY**

**AMS Release**

**4/21/2003**

The AMS release that took place on 4/21/03 included ch inventory related modules. Changes included altering to SCCs and source types in the following manner: some 9 treatment plants (501000%, 501006%, 501007%, 50000 503005%) will now be available to emitters and will no longer be.

Also, the Sub Facility SCC and Operating Schedules can address an "insufficient privileges" problem that was occurring on the Sub Facility screen in the background before ending.

**4/1/2003**

**Best Controlled Detail Report**

The AMS Best Controlled Detail report has been update emissions. For each pollutant where a site level manual new line will appear on the report. The line is labeled, "1 Emissions" and will be displayed just below the current to line.

**Reports:**

- Permits Reports
- EMISSIONS REPORTS
- Compliance Reports

**Tools:**

- AMS Permit Reporting
- AMS Documentation
- AMS Release Notes
- AO User Forum

**Links:**

- eFACTS (Internal)
- eFACTS (External)
- AQ Intranet (S006AQ)
- PA Code - Title 25
- Code of Federal Regulations
- Air Quality External web Page
- DEP Internal Web Page
- DEP External Web Page
- DA Website

**Downloads:**

- Adobe Acrobat Reader

Make this your homepage!

http://www.aq.pde.pa.gov/amsreports/homePage.asp - Microsoft Internet Explorer

Dr. Edit View Favorites Tools Help

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**BUREAU OF AIR QUALITY**

**Welcome to AMS Home Page**

**Reports:**

- Permits Reports
- EMISSIONS REPORTS
- Compliance Reports

**Tools:**

- AMS Permit Reporting
- AMS Documentation
- AMS Release Notes
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**Links:**

- eFACTS (Internal)
- eFACTS (External)
- AQ Intranet (S006AQ)
- PA Code - Title 25
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- Air Quality External web Page
- DEP Internal Web Page
- DEP External Web Page
- DA Website

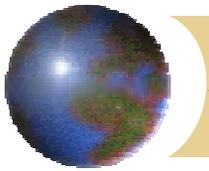
**Downloads:**

- Adobe Acrobat Reader

Make this your homepage!

**EMISSIONS**

- Address Labels
- Best Controlled Detail
- Best controlled summary
- Emission Tables View
- Fee Matrix
- H-Vol Results
- Site UTH
- Site Calculated
- TITLE V Emission Fees



# Strategic Planning

- **Synch with Longer-term Goal and Issues**

  - Policy Changes*

  - Data Requirements*

  - IT Architecture*

  - Systems Development*

  - Funding*

  - Staffing*

  - Schedules*



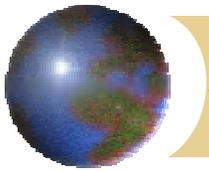
- **Broader View to include other Organizations**

  - Parent Organization*

  - State*

  - IT Organization*

  - Federal*



# Priorities

- **Identification and Maintenance**

*Political Environment*

*Relative “pay off”*

*Degree of Visibility*

*Business Criticality*

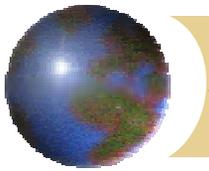
*Technology*

*Project Support*

*Resources*



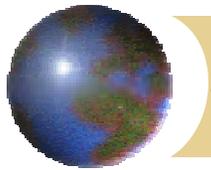
- **Need vs. ‘Nice to Have’**



# Teams and People-Base Approach

- **Champion(s)**
  - Communication*
  - Technical*
  - Process*
  - Automation*
  - Political*
- **Team**
  - Diversity/Balance*
  - Skills*
  - Experience*
  - Buy-in*



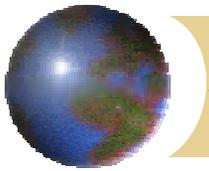


# Funding and Resources



- Sources
- Sustainability
- Flexibility
- Rules for Use

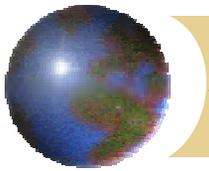




# Contract Vehicles

- **Availability**
- **Sustainability**
- **Flexibility**
- **Rules for Use**
- **Work with your Network**





## Statement of Work

- **Based on Priorities and Plans**

- **Mature and Well-Developed**

*Defined Tasks*

*Technical Requirements*

*Products*

*Timelines*

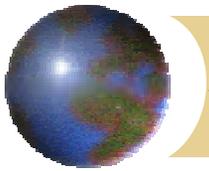
*Performance Measures*

*Resources*

*Assumptions/Constraints*

- **Enables Management Accuracy**





# Kickoff and Communication

- **Management = Relationships = Communication**

- **Kickoff Characteristics**

*Multiple (Internal, Technical, Contractor)*

*Broad Involvement*

*PM Staff*

*IT Staff*

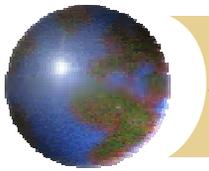
*Air Staff*

*User Reps.*

*Contracts*



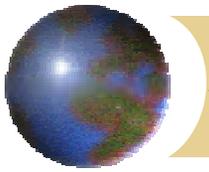
- **Coordination with other Agencies**



# Project Planning and Requirements

- Detailed Project Plan
- Flowing from SOW
- Complete Requirements Gathering
- Maintenance of Both over Life of Project

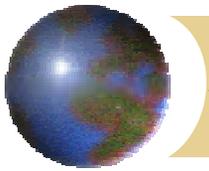




# Project Documentation

- DO IT
- KEEP IT





## Summary

- **Plan for the Future**
- **Set and Maintain Priorities**
- **Build a Team**
- **Understand Funding and Resources**
- **Understand Contracts**
- **Build a Solid SOW**
- **Communicate**
- **Collect Requirements**
- **Document**

