

## FY 2003 ENERGY MANAGEMENT DATA REPORT

Agency: U.S. Nuclear Regulatory Commission

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### PART 1: ENERGY CONSUMPTION AND COST DATA

#### 1-1. Standard Buildings/Facilities

| Energy Type   | Consumption Units | Annual Consumption | Annual Cost (Thou. \$) | Unit Cost (\$)       | Site-Delivered Btu (Billion) | Est. Source Btu (Billion) |
|---|-------------------|--------------------|------------------------|----------------------|------------------------------|---------------------------|
| Electricity   | MWH               | 25,052.0           | \$1,408.4              | \$0.06 /kWh          | 85.5                         | 259.2                     |
| Fuel Oil  | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /gallon      | 0.0                          | 0.0                       |
| Natural Gas   | Thou. Cubic Ft.   | 11.9               | \$8.2                  | \$689.08 /Thou Cu Ft | 0.0                          | 0.0                       |
| LPG/Propane   | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /gallon      | 0.0                          | 0.0                       |
| Coal  | S. Ton            | 0.0                | \$0.0                  | #DIV/0! /S. Ton      | 0.0                          | 0.0                       |
| Purch. Steam  | BBtu              | 0.0                | \$0.0                  | #DIV/0! /MMBtu       | 0.0                          | 0.0                       |
| Other   | BBtu              | 0.0                | \$0.0                  | #DIV/0! /MMBtu       | 0.0                          | 0.0                       |
|   |                   | Total Costs:       | \$1,416.6              | Total:               | 85.5                         | 259.2                     |
| Standard Buildings/Facilities (Thou. Gross Square Feet) |                   | 773.3              | Btu/GSF:               |                      | 110,551                      | 335,187                   |

#### 1-2. Industrial, Laboratory, Research, and Other Energy-Intensive Facilities

| Energy Type   | Consumption Units | Annual Consumption | Annual Cost (Thou. \$) | Unit Cost (\$)      | Site-Delivered Btu (Billion) | Est. Source Btu (Billion) |
|---|-------------------|--------------------|------------------------|---------------------|------------------------------|---------------------------|
| Electricity   | MWH               | 0.0                | \$0.0                  | #DIV/0! /kWh        | 0.0                          | 0.0                       |
| Fuel Oil  | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /gallon     | 0.0                          | 0.0                       |
| Natural Gas   | Thou. Cubic Ft.   | 0.0                | \$0.0                  | #DIV/0! /Thou Cu Ft | 0.0                          | 0.0                       |
| LPG/Propane   | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /gallon     | 0.0                          | 0.0                       |
| Coal  | S. Ton            | 0.0                | \$0.0                  | #DIV/0! /S. Ton     | 0.0                          | 0.0                       |
| Purch. Steam  | BBtu              | 0.0                | \$0.0                  | #DIV/0! /MMBtu      | 0.0                          | 0.0                       |
| Other   | BBtu              | 0.0                | \$0.0                  | #DIV/0! /MMBtu      | 0.0                          | 0.0                       |
|   |                   | Total Costs:       | \$0.0                  | Total:              | 0.0                          | 0.0                       |
| Energy-Intensive Facilities (Thou. Gross Square Feet) |                   | 0.0                | Btu/GSF:               |                     | #DIV/0!                      | #DIV/0!                   |

### 1-3. Exempt Facilities

| Energy Type                                 | Consumption Units | Annual Consumption | Annual Cost (Thou. \$) | Unit Cost (\$)      | Site-Delivered Btu (Billion) | Est. Source Btu (Billion) |
|---|-------------------|--------------------|------------------------|---------------------|------------------------------|---------------------------|
| Electricity                                 | MWH               | 0.0                | \$0.0                  | #DIV/0! /kWh        | 0.0                          | 0.0                       |
| Fuel Oil                                    | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /gallon     | 0.0                          | 0.0                       |
| Natural Gas                                 | Thou. Cubic Ft.   | 0.0                | \$0.0                  | #DIV/0! /Thou Cu Ft | 0.0                          | 0.0                       |
| LPG/Propane                                 | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /gallon     | 0.0                          | 0.0                       |
| Coal  | S. Ton            | 0.0                | \$0.0                  | #DIV/0! /S. Ton     | 0.0                          | 0.0                       |
| Purch. Steam                                | BBtu              | 0.0                | \$0.0                  | #DIV/0! /MMBtu      | 0.0                          | 0.0                       |
| Other                                       | BBtu              | 0.0                | \$0.0                  | #DIV/0! /MMBtu      | 0.0                          | 0.0                       |
|   |                   | Total Costs:       | \$0.0                  | Total:              | 0.0                          | 0.0                       |
| Exempt Facilities (Thou. Gross Square Feet) |                   | 0.0                |                        | Btu/GSF:            | #DIV/0!                      | #DIV/0!                   |

### 1-4. Tactical Vehicles and Other Equipment

|                   | Consumption Units | Annual Consumption | Annual Cost (Thou. \$) | Unit Cost (\$)  | Btu (Billion) | Est. Carbon Emissions (Metric Tons) |
|-------------------|-------------------|--------------------|------------------------|-----------------|---------------|-------------------------------------|
| Auto Gasoline     | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /gallon | 0.0           | 0                                   |
| Diesel-Distillate | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /gallon | 0.0           | 0                                   |
| LPG/Propane       | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /gallon | 0.0           | 0                                   |
| Aviation Gasoline | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /gallon | 0.0           | 0                                   |
| Jet Fuel          | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /gallon | 0.0           | 0                                   |
| Navy Special      | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /gallon | 0.0           | 0                                   |
| Other             | Thou. Gal.        | 0.0                | \$0.0                  | #DIV/0! /MMBtu  | 0.0           |                                     |
| Total Costs       |                   |                    | \$0.0                  |                 | 0.0           | 0                                   |

### 1-5. WATER CONSUMPTION, COST AND EFFICIENCY MEASURES

|   | Consumption Units | Annual Consumption | Annual Cost (Thou. \$) |
|---|-------------------|--------------------|------------------------|
| Water   | Million Gal.      | 28.3               | \$145,295.0            |
| Best Management Practice Implementation Tracking Data                 |                   |                    |                        |
| Number of facilities* in agency inventory                             |                   |                    | 2                      |
| Number of facilities with completed water management plans            |                   |                    | 2                      |
| Number of facilities with at least four (4) BMPs fully implemented    |                   |                    | 2                      |
| *number in the agency inventory, can be buildings, bases, or campuses |                   |                    |                        |

**1-6. RENEWABLE GREEN ENERGY PURCHASES**

(Only include renewable energy purchases developed or contracted after 1990)

|                                   | Consumption Units | Annual Consumption | Annual Cost (Thou. \$) |
|-----------------------------------|-------------------|--------------------|------------------------|
| Electricity from Renewables       | MWH               | 0.0                | \$0.0                  |
| Natural Gas from Landfill/Biomass | MMBtu             | 0.0                | \$0.0                  |
| Renewable Thermal Energy          | MMBtu             | 0.0                | \$0.0                  |
| Other Renewable Energy_____*      |                   |                    |                        |

\*For other renewable energy that does not fit any category, please fill in the type, units used, annual consumption and cost, and include any additional information in your narrative submission. For example, biodiesel used in non-transportation applications. (Renewable fuels used for transportation will be collected through GSA's Fleet Management reporting process.)

**1-7. SELF-GENERATED RENEWABLE ENERGY INSTALLED AFTER 1990**

|                                   | Consumption Units | Total Annual Energy | Energy Used by Agency* |
|-----------------------------------|-------------------|---------------------|------------------------|
| Electricity from Renewables       | MWH               | 0.0                 | 0.0                    |
| Natural Gas from Landfill/Biomass | MMBtu             | 0.0                 | 0.0                    |
| Renewable Thermal Energy**        | MMBtu             | 0.0                 | 0.0                    |
| Other Renewable Energy_____***    |                   | 0.0                 | 0.0                    |

\*Energy used by agency equals total annual generation unless a project sells a portion of the energy it produces to another agency or the private sector. It can equal zero in the case of non-Federal energy projects developed on Federal land.

\*\*Examples are geothermal, solar thermal, and geothermal heat pumps, and the thermal portion of combined heat and power projects. Thermal energy from geothermal heat pumps should be based on energy savings compared to conventional alternatives.

\*\*\*For other renewable energy that does not fit any category, fill in the type, units used, annual consumption and cost, and include any additional information in your narrative submission. For example energy displaced by daylighting technology or passive solar design.

**PART 2: ENERGY EFFICIENCY IMPROVEMENTS****2-1. DIRECT AGENCY OBLIGATIONS**

|   | FY 2003 |            | Projected FY 2004 |            |
|---|---------|------------|-------------------|------------|
|   | (MMBTU) | (Thou. \$) | (MMBTU)           | (Thou. \$) |
| Direct obligations for facility energy efficiency improvements, including facility surveys/audits |         | \$0.0      |                   | \$0.0      |
| Estimated annual savings anticipated from obligations   | 0.0     | \$0.0      | 0.0               | \$0.0      |

**2-2. ENERGY SAVINGS PERFORMANCE CONTRACTS (ESPC)**

|  | Annual savings<br>(MMBTU) | (number/Thou. \$) |
|--|---------------------------|-------------------|
| Number of ESPC Task/Delivery Orders awarded in fiscal year & annual energy (MMBTU) savings.  | 0.0                       | 0                 |
| Investment value of ESPC Task/Delivery Orders awarded in fiscal year.  |                           | \$0.0             |
| Amount privately financed under ESPC Task/Delivery Orders awarded in fiscal year.  |                           | \$0.0             |
| Cumulative guaranteed cost savings of ESPCs awarded in fiscal year relative to the baseline spending.  |                           | \$0.0             |
| Total contract award value of ESPCs awarded in fiscal year (sum of contractor payments for debt repayment, M&V, and other negotiated performance period services). |                           | \$0.0             |
| Total payments made to all ESP contractors in fiscal year.   |                           | \$0.0             |

**2-3. UTILITY ENERGY SERVICES CONTRACTS (UESC)**

|   | Annual savings<br>(MMBTU) | (number/Thou. \$) |
|---|---------------------------|-------------------|
| Number of UESC Task/Delivery Orders awarded in fiscal year & annual energy (MMBTU) savings.   | 0.0                       | 0                 |
| Investment value of UESC Task/Delivery Orders awarded in fiscal year.   |                           | \$0.0             |
| Amount privately financed under UESC Task/Delivery Orders awarded in fiscal year.   |                           | \$0.0             |
| Cumulative cost savings of UESCs awarded in fiscal year relative to the baseline spending.  |                           | \$0.0             |
| Total contract award value of UESCs awarded in fiscal year (sum of payments for debt repayment and other negotiated performance period services). |                           | \$0.0             |
| Total payments made to all UESC contractors in fiscal year.   |                           | \$0.0             |

**2-4. UTILITY INCENTIVES (REBATES)**

|  | Annual savings<br>(MMBTU) | (Thou. \$) |
|--|---------------------------|------------|
| Incentives received and estimated energy savings | 0.0                       | \$0.0      |
| Funds spent in order to receive incentives       |                           | \$0.0      |

**2-5. TRAINING**

|   | (number) | (Thou. \$) |
|---|----------|------------|
| Number of personnel trained/Expenditure | 0.0      | \$0.0      |

| Est. Carbon Emissions (Metric Tons) |
|-------------------------------------|
| 4,140                               |
| 0                                   |
| 0                                   |
| 0                                   |
| 0                                   |
| 0                                   |
| 4,140                               |

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