### SF<sub>6</sub> Emissions Reduction Partnership for Electric Power Systems

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San Diego, CA

November 2, 2000



#### An Opportunity for Industry

Work with industry to reduce emissions of SF<sub>6</sub> in technically and economically feasible ways

# Why a Program for Electrical Power Systems?

- © Estimate--Nearly 80% of SF<sub>6</sub> purchased by utilities
- A Gas emitted from electrical equipment
- Many in industry have begun addressing the problem

## What Is in the MOU?--EPA's Responsibilities

- ର Designate liaison for program
- Serve as clearinghouse for technical information
- ম Sponsor conferences
- **N** Provide recognition for partners
- © Establish protocols for estimating and reporting SF<sub>6</sub> emissions

## What Is in the MOU?--Partner Responsibilities

- Where possible, estimate emissions for any year between 1990 and 1999
- Annually inventory and assess leaks (units with less than 15 pounds of SF<sub>6</sub> not included in program)
- Annually report emissions to EPA using inventory method

#### Partner Responsibilities--Cont.

- © Establish corporate policy for proper handling of SF<sub>6</sub>, including commitment to recycle
- 2 Develop strategy for retiring high-leakers
- 2 Ensure that knowledgeable people handle  $SF_6$
- After 18 months, establish an emissions reduction goal

### The Partnership Is Off to a Great Start

- Partners improving management of this valuable resource
- Annual reports indicate successful reduction strategies in place

### Cumulative Partnership Numbers for 1999

 $\Omega \sim 73,000$  pounds--mean  $SF_6$  capacity  $\Omega \sim 13,000$  pounds--mean emissions of  $SF_6$   $\Omega \sim 10\%$ --mean leak rate

#### **Key Points**

- Program is strictly voluntary--not regulatory
- © Extremely flexible agreement (MOU)—encourages technically and economically feasible activities as defined by the partner
- Opportunity to demonstrate that emissions reductions can be achieved through voluntary action