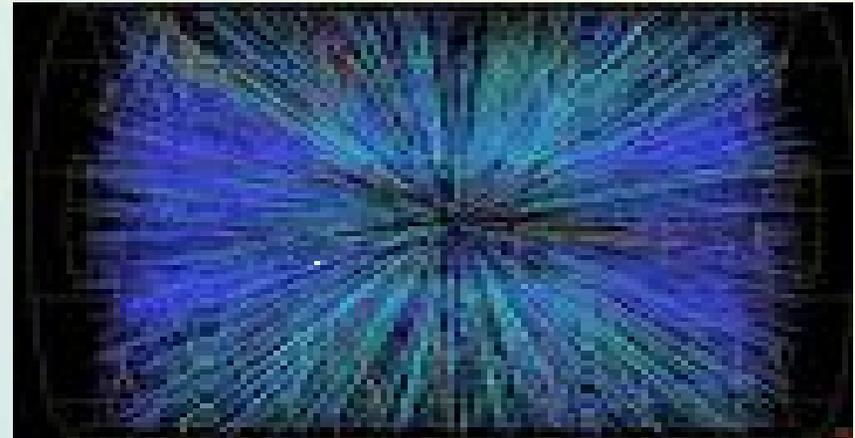


# Sulfur Hexafluoride (SF<sub>6</sub>) Emission Reduction Measure



Photo credit: California Energy Commission



California Environmental Protection Agency

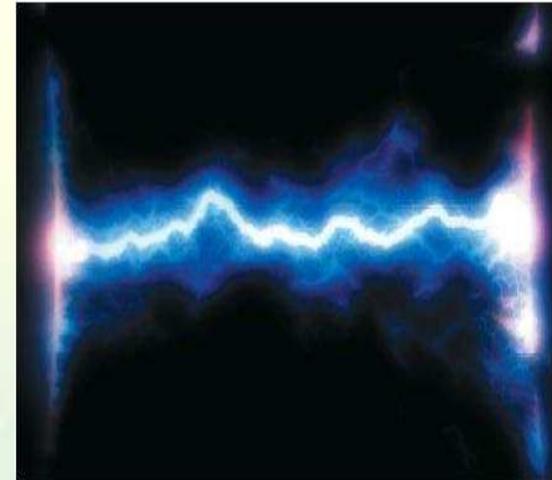
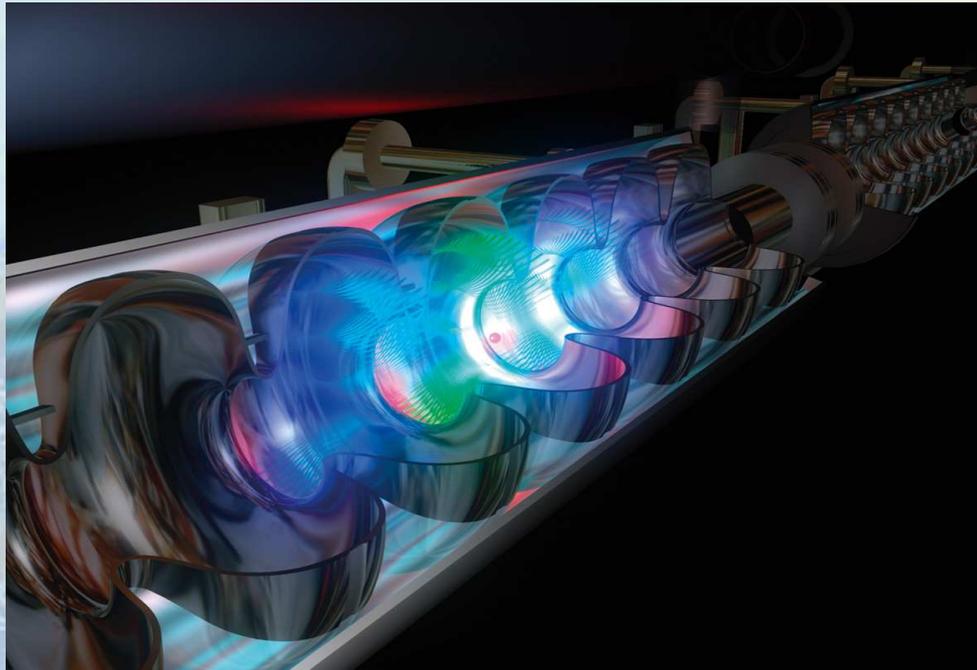
**AIR RESOURCES BOARD**

# BACKGROUND/SCOPE

- **SF<sub>6</sub> has the highest global warming potential of all of the greenhouse gases**
- **The measure will reduce SF<sub>6</sub> emissions from**
  - ❖ **The Electric Sector**
    - **Transmission and Distribution**
  - ❖ **Particle Accelerators**

# SECTOR USES

- The electricity sector uses  $\text{SF}_6$  as an insulator and arc quencher

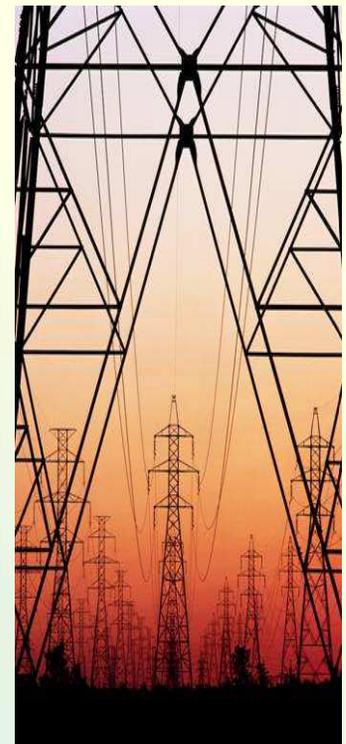
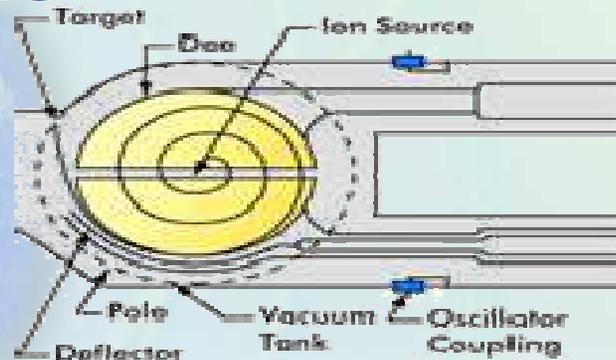


**Particle accelerator  
uses are similar**

# APPLICATION

## ■ Affected Entities

- Investor and publically owned utilities
- Merchant electricity generators
  - DG and CHP Operators
- Community choice aggregators
- California's particle accelerator operators



# SF<sub>6</sub> SURVEY

- **Posted on website**
- **Requests information on current SF<sub>6</sub> use, gas insulated equipment, and handling practices**
- **Responses requested by 2/27/09**



# **Development Process**

- **Analyze Survey Results**
- **Evaluate Utility/Regional/ National/ International Programs**
- **Develop Concepts**
- **Integrate Comments/Feedback**
- **Develop the proposed regulation**

# **NEXT STEPS & 2009 TIMELINES**

<b>Evaluate Survey Responses</b>	<b>March</b>
<b>Draft Regulatory Concepts</b>	<b>April</b>
<b>Hold Second Workgroup Meeting</b>	<b>May</b>
<b>Draft Regulatory Language</b>	<b>July</b>
<b>Hold Public Workshop</b>	<b>September</b>
<b>Present Proposed Regulation to the Board</b>	<b>December</b>

# Related Links

- **ARB Climate Change Web Site (All things climate change)** <http://www.arb.ca.gov/cc/cc.htm>
- **ARB Energy Related Programs-SF<sub>6</sub> (SF<sub>6</sub> for the electricity sector/particle accelerators)**  
<http://www.arb.ca.gov/energy/energy.htm#sf6>
- **High Global Warming Potential Sector (SF<sub>6</sub> reductions for the non-electricity sector)**  
<http://www.arb.ca.gov/cc/sf6nonelec/sf6nonelec.htm>
- **Fluorinated Compounds and Semiconductors (Stationary Equipment Refrigerant Management Program)**  
<http://www.arb.ca.gov/cc/reftrack/reftrack.htm>

# Thank You and Contact Information

- **Jeff Doll**



e-mail [jdoll@arb.ca.gov](mailto:jdoll@arb.ca.gov)



Phone: (916) 324-0343

- **Michelle Garcia**



e-mail [mgarcia@arb.ca.gov](mailto:mgarcia@arb.ca.gov)



Phone: (916) 322-8387