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Risk Assessment: Energy Sector

DESCRIPTION

Protection of the United States' energy sector from acts of terrorism remains a central component of the country's homeland security agenda. All aspects of the energy sector, from production facilities to fossil fuel transportation to electric power production, are potential terrorist targets. Because of the criticality of this infrastructure sector, homeland security experts have devised methodologies specifically aimed at assessing risk to energy-related facilities.

RESOURCES

Methodologies

Federal Government

Department of Energy (DOE):

Energy Infrastructure Vulnerability and Risk Assessment Checklists for State Governments: This is a DOE risk assessment methodology designed specifically for officials at the state level. The methodology also includes a list of potential countermeasures that state governments can take in response to the results of the risk assessment.
(*LLIS.gov* ID# 12738)

Office of Energy Assurance:

Vulnerability Assessment Methodology: Electric Power Infrastructure: The Office of Energy Assurance produced this comprehensive risk assessment methodology resource for use by any company or organization within the electric power critical infrastructure sector.
(*LLIS.gov* ID# 12739)

National Laboratories:

Sandia National Laboratories:

Assessment Software Factsheet: This is a contact page for those interested in learning more about the Sandia's risk assessment methodologies for dams (RAM-D) and power transmission (RAM-T).
http://www.sandia.gov/media/NewsRel/NR2001/ramdramt.htm

Risk Assessment Methodology for Dams (RAM-DSM): This is an overview of the risk assessment methodology developed specifically for dams by Sandia. The methodology is offered as a software program and includes an evaluation of the consequences and

vulnerabilities of a dam facility and a cost-benefit analysis tool for evaluating potential mitigation or hardening measures.
http://www.tswg.gov/tswg/ip/RAMD_TB.htm

Risk Assessment for Nuclear Reactors: This contains an introduction to Sandia's risk assessment methodology created especially for nuclear power plants. The methodology is based on computer modeling programs that account for the different types and degrees of risk to nuclear facilities.
http://www.sandia.gov/E&E/risk/nucl1.html

Associations

National Petrochemical and Refiners Association:

Security Vulnerability Assessment Methodology for the Petroleum and Petrochemical Industries: This is a comprehensive methodology specifically designed for this particular sector. It was created in conjunction with the American Petroleum Institute.
(*LLIS.gov* ID# 12740)

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