

## PREPARATORY EMERGENCY MEASURES

PEM-17

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### PEM-17: Oil Spill Mitigation

**Objective:** Prevent the occurrence of an oil spill or if one does take place, to have in place measures that will negate the effects

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**Lead Agency:** Department of Planning and Natural Resources

- Role:**
- Devise oil tank and containment standards that:
    - Address high velocity winds
    - Address types of containment materials and systems
  - Reevaluate 110% containment standard
  - Conduct efficiency study
  - Establish agency interaction
  - Develop plan with training/exercises
  - Identify procedures for procuring equipment
  - Determine health hazards
  - Identify and publish list of members of oil spill cleanup task force
  - Survey St. Croix tank trucks to determine availability on and off the island and requirements during an emergency

**Support  
Agencies  
and Roles:**

Virgin Islands Territorial Emergency Management Agency\*

Coast Guard\*

Environmental Health\*

Fire Services\*

## PREPARATORY EMERGENCY MEASURES

PEM-17(2)

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Port Authority\*

Virgin Islands Water and Power Authority\*

Amerada Hess Oil Refinery\*

Environmental Protection Agency\*

## PREPARATORY EMERGENCY MEASURES

PEM-18

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**PEM-18: Specific Agency Energy Plans**

**Objective:** Maintain a state of readiness within each department with roles and responsibilities clearly defined

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**Lead Agency:** Virgin Islands Energy Office

- Role:**
- Coordinate with individual agencies to ensure a state of readiness with clear coordination within and between agencies
  - Assist agencies with the development of their plans as needed

**Support  
Agencies  
and Roles:**

Office of Management and Budget

- Assist with budgeting needs for development and implementation of the agencies' plans

All Agencies

- Prepare a written agency plan assigning personnel and equipment to pre-determined areas

## PREPARATORY EMERGENCY MEASURES

PEM-19

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**PEM-19: Energy Storage Reserves**

**Objective:** Maintain a reserve of fuel for energy emergencies to be used for immediate response needs

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**Lead Agency:** Virgin Islands Water and Power Authority

**Role:** • Identify and develop areas for (STX-SIT) storage and distribution

**Support  
Agencies  
and Roles:** Private Sector\*

## PREPARATORY EMERGENCY MEASURES

PEM-20

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**PEM-20: Inventory of Priority and Fuel Needs**

**Objective:** Develop a system of delivery for emergency fuel supply

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**Lead Agency:** Virgin Islands Energy Office

- Role:**
- Determine life-line fuel needs
  - Survey suppliers and potential sources
  - Determine transportation methods (primary and alternate)
  - Dialogue with Department of Defense; i.e. surplus of their stock

**Support  
Agencies  
and Roles:**

Department of Property and Procurement

- Determine life-line fuel needs for government agencies

All Agencies

- Expand capacity to function independently for at least one week

U.S. DOE\*

U.S. DOI\*

## PREPARATORY EMERGENCY MEASURES

PEM-21

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### PEM-21: Alternative Fuel Supply From Non-VI Sources

**Objective:** Diversification of possible fuel suppliers in the event of non-domestic supply or the invocation of a Federal initiative such as the Defense Production Act

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**Lead Agency:** Virgin Islands Water and Power Authority

- Role:**
- Coordinate with other non-United States sources for fuel purchases to satisfy fuel needs
  - Contact heads of state
  - Develop relationship with Puerto Rican refinery

**Support  
Agencies  
and Roles:**

Office of the Governor

- Ensure proper protocol for international negotiations

Department of Property and Procurement

- Investigate purchasing land on other islands for fuel storage

## PREPARATORY EMERGENCY MEASURES

PEM-22

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**PEM-21: Permanent Waiver of the Defense Production Act (DPA)**

**Objective:** Permanent exemption from the DPA to ensure fuel supplies for the Virgin Islands

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**Lead Agency:** Virgin Islands Energy Office

**Role:** • Compile statistics to show devastation to Virgin Islands if DPA enacted and draft proposal for waiver

**Support  
Agencies  
and Roles:**

Office of the Governor\*

Department of Economic Development and Agriculture\*

Virgin Islands Delegate to Congress

• Present alternative energy and usage reduction plans to Congress to convince them to permanently exempt the Virgin Islands

Virgin Islands Water and Power Authority\*

All Agencies

• Provide information and analysis to support proposal

**Energy Emergency Measures** are more aggressive means of establishing a greater degree of demand restraint, wherein the Territory mandates maximum acceptable consumption levels and assumes the mechanisms of enforcement to carry the program through. These measures include the following:

- EEM-1 Public Information Program
- EEM-2 Work Pattern Changes
- EEM-3 Emergency Petroleum Product Set-Aside Program
- EEM-4 Water and Power Services
- EEM-5 Water Demand Reduction-Mandatory Mode
- EEM-6 Voluntary Driving Habits and Vehicle Maintenance
- EEM-7 Minimum Acceptable Inventory Level-Mandatory Mode
- EEM-8 Fuel Sales Measures
- EEM-9 Transportation Services
- EEM-10 Allocation of Reduced Supply Volume-Mandatory Mode
- EEM-11 Hot Water Setback-Mandatory Mode
- EEM-12 Building Temperature Adjustments-Mandatory Mode
- EEM-13 Service Reductions-Mandatory Mode
- EEM-14 Ridesharing
- EEM-15 Speed Limit Measure
- EEM-16 Backup Power Distribution
- EEM-17 Oil Spills
- EEM-18 Energy Resources
- EEM-19 Encouragement of Tourism

\* On the following pages, asterisks reflect that the specific agency or role will be determined at a later date.

## ENERGY EMERGENCY MEASURES

EEM-1

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### EEM-1: Public Information Program

**Objective:** Present to the public well-organized, clear, concise information critical to their roles and function in an energy emergency

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**Lead Agency:** Virgin Islands Energy Office

**Role:** • Brief the Governor on the situation for a coordinated presentation to the public

**Support  
Agencies  
and Roles:**

Office of the Governor\*

Media\*

Public Relations\*

All Agencies

- Brief the VIEO on the situation but make no individual agency reports to the public; allow the VIEO to coordinate the information from all the agencies and make, or allow the Governor to make, a presentation to the public

## ENERGY EMERGENCY MEASURES

EEM-2

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### EEM-2: Work Pattern Changes

**Objective:** Allow employees to meet vehicle use reduction targets with the cooperation of employers by removing workplace barriers to accomplishing the objective

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**Lead Agency:** Virgin Islands Energy Office

- Role:**
- Provide work pattern information to employers in coordination with Department of Labor, other appropriate Territory employment agencies or other human service agencies
  - Provide public, official encouragement and laudatory awards to employers who participate
  - Suggest percentage use reduction goals for all energy use sectors as applied to work schedule reduction
  - Provide workplace and schedule expertise to employers seeking assistance and assist in implementation of programs

**Support  
Agencies  
and Roles:**

Office of the Governor

- Change Territory regulations that affect work pattern practices, if a change will encourage energy conservation

Department of Labor

- Provide work pattern assistance to VIEO in support of their function to disseminate information
- Work with the private sector to coordinate any flex-time or work curtailment measures

Department of Personnel

- Work with other government agencies on flex-time or work curtailment measures

### All Agencies

- Implement flexible schedules, home computer work and teleconferencing for government employees

### Private Sector

- Employers can examine their particular work needs to accommodate flexibility to enhance ridesharing and other vehicle use reduction
- Set percentage reductions in travel for employees as a goal for work flexibility plan
- Substitute teleconferencing for on-site meeting where possible
- Provide computer and modem equipment to selected employees to allow work at home where possible

## ENERGY EMERGENCY MEASURES

EEM-3

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### **EEM-3: Emergency Petroleum Product Set-Aside Program**

**Objective:** Provide assistance to those services which are essential to the Territory's welfare and, in a free market economy, might otherwise not be able to afford a higher premium for required fuel

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**Lead Agency:** Virgin Islands Energy Office

- Role:**
- Investigate program in conjunction with the Federal government
  - Coordinate with water and power industries
  - Contact private industries
  - Develop set-aside plan

**Support  
Agencies  
and Roles:**

Virgin Islands Legislature

- Pass legislation

Virgin Islands Water and Power Authority\*

Private Sector\*

Amerada Hess Oil Refinery\*

## ENERGY EMERGENCY MEASURES

EEM-4

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### EEM-4: Water and Power Services

**Objective:** Sustained provision of water and power and when interrupted, to establish provision as quickly as possible

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**Lead Agency:** Virgin Islands Water and Power Authority

- Role:**
- **Contact:**
    - EPA about providing technical assistance and environmental standards
    - Army Corps of Engineers about providing technical assistance to rebuild filtration plants and stations, including spare parts requirements and other necessary acquisitions
    - USGS about providing technical assistance to develop ground water systems
  - Establish mutual assistance agreements with surrounding areas (Puerto Rico Government and Puerto Rico Aqueduct and Sewer Authority)

**Support  
Agencies  
and Roles:**

Office of the Governor

- Investigate legal means for public to have access to private water supplies

Virgin Islands Energy Office

- Establish contacts and determine relationships to use generating capacity of cruise ships for desalination

Department of Economic Development & Agriculture\*

Department of Health\*

Department of Planning and Natural Resources\*

Department of Public Works

- Develop reservoir system

Environmental Health\*

## ENERGY EMERGENCY MEASURES

EEM-4(2)

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Virgin Islands National Guard\*

Virgin Islands Telephone Company\*

## ENERGY EMERGENCY MEASURES

EEM-5

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**EEM-5: Water Demand Reduction-Mandatory Mode**

**Objective:** Reduce the demand for fuel used to desalinate sea water by reducing the demand for water

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**Lead Agency:** Virgin Islands Energy Office

- Role:**
- Establish guidelines for per-capita consumption
  - Introduce legislation requiring water saving devices to be used on toilets & shower heads
  - Monitor for compliance

**Support  
Agencies  
and Roles:** Police Department

- Ensure compliance with water restrictions

## ENERGY EMERGENCY MEASURES

EEM-6

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### EEM-6: Voluntary Driving Habits and Vehicle Maintenance

**Objective:** Reduce vehicle fuel use through improved driving habits and improved vehicle maintenance which will, in turn, reduce vehicle operating costs

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**Lead Agency:** Virgin Islands Energy Office

- Role:**
- Provide eye-catching material publicizing the necessity and means to accomplish the above including: vehicle maintenance guidelines for private, commercial and industrial vehicle users and material encouraging adherence with the speed limit
  - Set the voluntary goals for improved vehicle maintenance and, with cooperation of the Virgin Islands Police Department and Territorial Marshals, determine expected reduction in vehicle miles per hour traveled
  - Provide public speakers and media talk show guests, and find other opportunities to explain how the public can conserve through the above measures
  - Coordinate agencies to accomplish the above

**Support  
Agencies  
and Roles:**

Lieutenant Governor

- Assure that price gouging in vehicle maintenance industry does not take place

Police Department

- Publicize the need for obeying existing speed control and vehicle maintenance laws

Territorial Marshals

- Publicize the need for obeying existing speed control and vehicle maintenance laws

Virgin Islands Legislature

- Investigate limiting the amount and type of vehicle imported into the Virgin Islands through legislation

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### All Agencies

- Undertake vehicle maintenance, obey speed laws and publicize these actions as an example to the public

### Private Sector

- Private vehicle drivers will comply with speed limits and ensure that vehicles are properly maintained
- Commerce and industry will carry out public-oriented campaigns in cooperation with VIEO to improve vehicle fleet performance and to set an example for the public
- Coordinate delivery schedules, allow additional time for deliveries and increase driver training and awareness
- Business and industry will assist the driving public with voluntary vehicle maintenance clinics and permit employees flexible time schedules to accomplish maintenance as needed

## ENERGY EMERGENCY MEASURES

EEM-7

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### **EEM-7: Minimum Acceptable Inventory Level-Mandatory Mode**

**Objective:** Discourage the stockpiling of fuel and to ensure the most equitable distribution of fuel within shortage conditions

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**Lead Agency:** Virgin Islands Energy Office

- Determine when voluntary measures are insufficient and advise the Governor
- Carry out compliance, testing, monitoring and enforcement steps as outlined in the section on cooling conservation measures under Virgin Islands Health Agency, Education Agency, Economic Agency and Trade Association-Voluntary and Mandatory. Assist VIEO as indicated in the Building Temperature Adjustments Measure (See EEM-12)

**Support  
Agencies  
and Roles:**

Office of the Governor

- Invoke legal authority for mandatory measures

**EEM-8: Fuel Sales Measures**

**Objective:** Mitigate adverse social behavior and public discomfort by managing the distribution of fuel from service stations and ensure the equitable distribution of limited fuel supplies

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**Lead Agency:** Virgin Islands Energy Office

- In coordination with the Virgin Islands Office of Transportation, and representatives of the petroleum supply and distribution industries, recommend the initiation of one or more of the following fuel sales measures:
  - Odd-even day purchase
  - Fuel availability flag system
  - Minimum fuel purchase
- Prepare appropriate gubernatorial executive orders, proclamations and items for the official spokesperson to disseminate
- Create and maintain database of service stations and end-user sources of fuel
- Respond to public questions concerning the program
- Coordinate with industry representatives including dealer associations and hold weekly meetings. Evaluate and assist as required to implement program
- Receive reports of activity from industry and agencies, maintain records and measure activity of programs as they impact available fuel supply
- Set up and run any exemption program allowed within selected measures

**Support  
Agencies  
and Roles:**

Department of Economic Development and Agriculture

- Assist the VIEO in determining receipt, sale, and inventory levels of gasoline at retail stations

## ENERGY EMERGENCY MEASURES

EEM-8(2)

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### Office of Management and Budget

- Assist by expediting the purchase of necessary flags and other warning devices and rapidly printing exemption forms and other forms as required for the success of the selected fuel reduction system

### Police Department

- Assist by enforcing the program and providing for the citation of offenders

### Territorial Marshals

- Assist by enforcing the program and providing for the citation of offenders

### Private Sector

- Comply with the selected system
- Fuel vendors will implement the selected system in cooperation with Territory officials

## ENERGY EMERGENCY MEASURES

EEM-9

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### EEM-9: Transportation Services

**Objective:** Operation of a transportation network that is compatible with the type of emergency for use in evacuation, rescue and the transport of goods

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**Lead Agency:** Department of Property & Procurement (Office of Transportation)

**Role:**

- Coordinate conservation and coping measures for transportation fuels

**Support  
Agencies  
and Roles:**

Virgin Islands Energy Office

- Ensure fuel resource availability to prioritized vehicles
- Coordinate with agencies securing and providing necessary fuel
- Coordinate with private sector for support
- Investigate transportation mechanism other than expensive aviation to mitigate rise in food cost (multi-mode transportation)

Virgin Island Territorial Emergency Management Agency

- Identify manpower and equipment resources
- Coordinate with neighboring islands

Department of Public Works\*

Police Department\*

Red Cross\*

Taxi Associations

- Attempt to combine fares with destinations in close proximity to reduce non-essential travel

Territorial Marshals\*

Transit Authorities\*

Virgin Islands National Guard\*

**EEM-10: Allocation of Reduced Supply Volume-Mandatory Mode**

**Objective:** Discourage the stockpiling of fuel, and ensure the most equitable distribution of fuel within shortage conditions

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**Lead Agency:** Virgin Islands Energy Office

- Role:**
- Inform and advise the Governor if voluntary measures are inadequate and/or shortage conditions worsen
  - Establish measurement, monitoring and enforcement procedures necessary to assure mandatory compliance
  - Enforce or assist designated enforcement agency

**Support  
Agencies  
and Roles:**

Office of the Governor

- Invoke legal authority to implement mandatory measures

Department of Economic Development and Agriculture

- Coordinate with designated allocation agency on fuel requirements of business and industry
- Recommend priority fuel hardship assignments

Department of Human Services

- Advise on fuel-hardship priorities

Housing Authority

- Advise on fuel-hardship priorities

**Petroleum Wholesalers**

- Deliver to customers in accordance with supply allocation levels established in conjunction with VIEO
- Maintain records and provide same on request to VIEO to show proof of fair and adequate delivery to all designated consumers
- Monitor the situation and inform VIEO of any changes in the supply and/or delivery situation

## ENERGY EMERGENCY MEASURES

EEM-11

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### EEM-11: Hot Water Setback-Mandatory Mode

**Objective:** Reduce fuel used for direct heating of water and the generation of electricity by reducing the amount of heat needed to heat water in commercial, governmental and public buildings

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**Lead Agency:** Virgin Islands Energy Office

- Determine when voluntary measures are insufficient and advise the Governor
- Carry out compliance, testing, monitoring and enforcement steps as outlined in the section Building Temperature Adjustments EEM-12 (under Virgin Islands Health Agency, Education Agency, Economic Agency and Trade Association-Voluntary and Mandatory). Assist VIEO as indicated in the Building Temperature Measure

**Support  
Agencies  
and Roles:**

All Agencies\*

Private Sector\*

## ENERGY EMERGENCY MEASURES

EEM-12

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### **EEM-12: Building Temperature Adjustments - Mandatory Mode**

**Objective:** Reduce fuel used for direct cooling of buildings and the generation of electricity by reducing the amount of cool air needed to condition space in commercial, governmental and public buildings

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**Lead Agency:** Virgin Islands Energy Office

- Role:**
- Recommend acceptable temperature range for announcement by the Governor
  - Prepare notifications, information for press releases and explanatory material for the designated public relations spokesperson
  - Advise public and publicize permissible exempt buildings such as hospitals, health care facilities, nursing homes, elementary schools and buildings where special environmental conditions are required to protect human, animal, or plant life or certain materials
  - Institute follow-up testing procedure

**Support  
Agencies  
and Roles:**

Office of the Governor

- Invoke legal authority to implement mandatory measures

Department of Economic Development and Agriculture

- Advise VIEO about facilities with special environmental needs

Department of Education

- Take actions similar to health facilities
- Advise VIEO of feasible energy reductions for school buildings

Department of Health

- Assist by providing certifications of exempt health care facilities as needed
- Advise VIEO about what reductions are feasible in consideration of proper health and safety needs

**Trade Associations**

- Assist VIEO in disseminating information to members
- Advise VIEO of problems faced by members and assist VIEO in trying to resolve these

**EEM-13: Service Reductions-Mandatory Mode**

**Objective:** Conserve fuel used for space conditioning and electricity generation by reducing and/or curtailing hours of operation, closing non-essential structures and reducing or eliminating certain designated uses

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**Lead Agency:** Virgin Islands Energy Office

- Role:**
- Establish building closing criteria and identify buildings which can be closed; define and determine "essential" services; develop plans for commercial, industrial and governmental groups to follow which may also include such items as reduced outdoor lighting and nighttime outdoor lighted advertising, shortened work weeks, staggered work hours, office sharing as well as transportation measures; review such plans; and inform the public of changes to hours and places of operation as changes are approved by the Governor and implemented, in conjunction with industry, government, and trade associations
  - Establish measurement, monitoring and enforcement procedures
  - Enforce or assist designated agencies

**Support  
Agencies  
and Roles:**

Office of the Governor

- Invoke legal authority to implement mandatory measures

All Agencies

- Assist VIEO in determining mandatory measures
- Assist VIEO through compliance with mandatory measures, publicity, encouragement to appropriate memberships and monitoring

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**EEM-14: Ridesharing**

**Objective:** Reduce single person per vehicle travel; reduce queuing for supply; have supply industry match demand with existing diminished supply

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**Lead Agency:** Virgin Islands Energy Office

- Role:**
- Publicize and encourage ridesharing to all sectors
  - Set reduced travel percentage goals for all sectors to adopt
  - Coordinate with Territory agency holding ridesharing database
  - Elicit statements of voluntary compliance from entities with multiple employees
  - Coordinate with the Office of Transportation for ridesharing locations and publicize programs
  - Obtain commitments from parking lots and employers to give best parking spaces to carpool users; encourage employers to offer financial incentives to carpoolers

**Support  
Agencies  
and Roles:**

Department of Property and Procurement (Office of Transportation)

- Furnish carpooling parking locations
- Manage a vanpool program
- Provide information on commuter carpool matching via computer

Private Sector

- Cooperate with officials and find alternate means of transportation
- Encourage others to share rides
- Employers can offer incentives through preferential parking, monetary rewards and flexible work schedules

**Private Sector (cont.)**

- Employers are to update or create ridesharing information for employees, provide ridesharing coordinators (and computer access), encourage alternate transportation (e.g. bicycles), allow employee flexible arrival and departure times, and offer a vanpool program (including financial and parking preference assistance)

## ENERGY EMERGENCY MEASURES

EEM-15

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### EEM-15: Speed Limit Measure

**Objective:** Achieve significant reductions in motor fuel consumption through enhanced compliance with existing speed limits, lowering of such limits as applicable and/or other actions

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**Lead Agency:** Virgin Islands Energy Office

- Role:**
- Bring need for mandatory compliance to the attention of the Virgin Islands Police Department and Territorial Marshals
  - Assist the Virgin Islands Police Department and Territorial Marshals with public announcements
  - In cooperation with the Virgin Islands Police Department and Territorial Marshals, initiate consideration of further legal reductions in the speed limit as necessitated by the shortage

**Support  
Agencies  
and Roles:**

Police Department

- Set a goal for compliance levels and initiate strict enforcement of speed limits
- Seek additional budgetary support in order to provide for additional surveillance
- Inform the public of the increased enforcement of speed laws
- Provide public relations speakers and other outreach personnel in order to increase voluntary compliance

Territorial Marshals

- Set a goal for compliance levels and initiate strict enforcement of speed limits
- Seek additional budgetary support in order to provide for additional surveillance

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**Territorial Marshals (cont.)**

- Inform the public of the increased enforcement of speed laws
- Provide public relations speakers and other outreach personnel in order to increase voluntary compliance

## ENERGY EMERGENCY MEASURES

EEM-16

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### EEM-16: Backup Power Distribution

**Objective:** Ensure that power to life line support sites is reestablished as quickly as possible in the event of a significant interruption; ensure that backup power is provided to high priority sites first; ensure as high a degree of reliability as possible for backup power

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**Lead Agency:** Department of Public Works

- Role:**
- Request information from OMB regarding budgeting
  - Identify manpower and equipment
  - Ensure dual fuel capacity

**Support  
Agencies  
and Roles:**

Virgin Islands Energy Office

- Direct the National Guard in placement of emergency generators

Virgin Islands Territorial Emergency Management Agency\*

Department of Property and Procurement\*

Office of Management and Budget

- Assist in budgetary considerations

Virgin Islands National Guard

- Distribute generators to sites in order of priority to include necessary fuel and personnel equipped to operate, repair, and guard the generators