



January 9, 2012

Ms. Ann Cole  
Director  
Division of the Commission Clerk and Administrative Services  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

RE: Emergency Fuel Plan Filing, Docket No. 110316-EM

Dear Ms. Cole:

Enclosed please find Homestead Energy's Long Term Energy Emergency Plan with regard to fuel curtailments or shortages. The plan was reviewed for 2012 with minor changes made. The enclosures include both the final document and a red-line markup.

Should you have any questions with regard to this submittal please contact me at 305-224-4707 or [kkonkol@homesteadenergy.org](mailto:kkonkol@homesteadenergy.org).

Sincerely,

Kenneth J. Konkol

Assistant Director  
Homestead Energy Services

RECEIVED-FPSC  
12 JAN 17 AM 9:47  
COMMISSION  
CLERK

DOCUMENT NUMBER-DATE  
00302 JAN 17 2012  
FPSC-COMMISSION CLERK

12 JAN 17 AM 9:07

**- Energizing Your Hometown -**

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# Homestead Energy Services Long-Term Energy Emergency Plan

## **Introduction & Background**

The City of Homestead owns and operates Homestead Energy Services, a municipal electric utility serving approximately 21,500 customers in the City and the surrounding unincorporated areas of Miami Dade County. The historical peak load is 90 MW's. Energy resources consist of contracts for 62.2 megawatts of firm capacity and associated energy in addition to the Gordon W. Ivey Power Plant. The power plant has 14 dual fuel engines capable of burning either natural gas or light oil. Gross generating capacity is 47 megawatts.

This plan outlines the procedures to be used in the event of a long-term fuel emergency that impacts Homestead Energy Services. A Fuel Supply Committee is established and will consist of the Director of Utilities, the Assistant Director, and the Senior Load Dispatcher. The Director of Utilities or his/her appointed representative will serve as chairperson. The chairperson will monitor fuel supplies, deliveries, and usage rates. When fuel levels reach potentially serious levels, the chairperson will activate the committee.

## **Definitions**

### **Alert**

An alert condition exists when the potential for a fuel emergency arises and specific actions are deemed prudent.

### **Fuel Emergency**

A fuel emergency will be in effect upon the declaration by the Governor, when the inventory of fuel reaches a predetermined level, or there is the likely possibility of disruption to the delivery of fuel, such that the anticipated usage will result in the following inventory levels:

Light Oil – 7 days

Natural Gas – Long term loss of pipeline supply source

### **Actions-Alert**

When an alert condition is declared, the following actions will be taken. These actions will be done under the direction of the Fuel Supply Committee as normal operating procedures in an attempt to minimize the potential for a more severe emergency condition.

PSC-03/27/03  
Revised 01/19/06  
Revised 01/27/09  
Revised 02/08/11  
Revised 01/4/12

DOCUMENT NUMBER-DATE

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FPSC-COMMISSION CLERK

1. Notify the operating personnel that a fuel supply alert has been declared.
2. Maximize on site inventories of light oil to the extent possible.
3. Defer maintenance outages on low heat rate units.
4. Maximize utilization of energy from existing power supply contracts.
5. Purchase maximum amounts of energy available from other utilities.
6. Operate units utilizing the lowest heat rate source to minimize the consumption of light oil or natural gas consistent with conserving the fuel in short supply.

### **Actions-Emergency**

When a Fuel Emergency is declared, the Committee will ensure that all actions normally anticipated to occur during an alert have taken place and will then take the following steps.

1. Notify operating personnel and the FRCC that a Fuel Emergency is in effect.
2. Calculate fuel reserves in terms of “days of burn” based on anticipated generation requirements. A spreadsheet titled “Fuel Reserves Days of Burn” is located in the Utility Administration shared drive.
3. Mandate that all City of Homestead facilities curtail energy usage to the extent possible
4. Curtail all off system sales
5. Contact commercial and industrial customers and request voluntary reduction of load.
6. Through mass media public service announcements appeal to the public to minimize electric energy consumption
7. Obtain emergency energy as needed that is available from neighboring systems
8. Implement voltage reduction if required

PSC-03/27/03  
Revised 01/19/06  
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# Homestead Energy Services Long-Term Energy Emergency Plan

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The City of Homestead owns and operates Homestead Energy Services, a municipal electric utility serving approximately 21,500 customers in the City and the surrounding unincorporated areas of Miami Dade County. The historical peak load is ~~89~~ 90 MW's. Energy resources consist of contracts for ~~62.22~~ megawatts of firm capacity and associated energy in addition to the Gordon W. Ivey Power Plant. The power plant has 14 dual fuel engines capable of burning either natural gas or light oil. Gross generating capacity is 47 megawatts.

This plan outlines the procedures to be used in the event of a long-term fuel emergency that impacts Homestead Energy Services. A Fuel Supply Committee is established and will consist of the Director of Utilities, the Assistant Director, and the ~~Supervisor of System Operations~~ Senior Load Dispatcher. The Director of Utilities or his/her appointed representative will serve as chairperson. The chairperson will monitor fuel supplies, deliveries and usage rates. When fuel levels reach potentially serious levels, the chairperson will activate the committee.

## Definitions

### Alert

An alert condition exists when the potential for a fuel emergency arises and specific actions are deemed prudent.

### Fuel Emergency

A fuel emergency will be in effect upon the declaration by the Governor, ~~W~~when the inventory of fuel reaches a predetermined level, or there is the likely possibility of disruption to the delivery of fuel, such that the anticipated usage will result in the following inventory levels:

Light Oil – 7 days

Natural Gas – Long term loss of pipeline supply source

## Actions

When an alert condition is declared, the following actions will be taken. These actions will be done under the direction of the Fuel Supply Committee as normal operating procedures in an attempt to minimize the potential for a more severe emergency condition.

PSC-03/27/03

Revised 01/19/06

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- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. Notify operating personnel <b>and the FRCC</b> that a Fuel Emergency <b>exists</b> in effect.</li> </ol>  | <p>Formatted: Indent: Left: 0.5", No bullets or numbering</p> |
| <ol style="list-style-type: none"> <li><del>1.2.</del> Calculate fuel reserves in terms of "days of burn" based on anticipated generation requirements. A spreadsheet titled "Fuel Reserves Days of Burn" is located in the Utility Administration shared drive.</li> </ol> |   |
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| <ol style="list-style-type: none"> <li>7. Obtain all emergency energy available from neighboring systems.</li> </ol>  | <p>Formatted: List Paragraph, No bullets or numbering</p>     |
| <ol style="list-style-type: none"> <li><del>6.</del> 8. Implement voltage reduction if required</li> </ol>  |   |

PSC-03/27/03  
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