

ORIGINAL

**FLORIDA MUNICIPAL POWER AGENCY  
FUEL EMERGENCY PLAN  
Revised January 10, 2006**

1. **Forward**

a) Florida Municipal Power Agency (FMPA) is a non-profit, governmental joint-action agency consisting of 29 municipalities. FMPA, under the All-Requirements Project (ARP), supplies all energy requirements for the Cities of Ocala, Leesburg, Bushnell, Jacksonville Beach, Green Cove Springs, Clewiston, Vero Beach, Ft. Pierce, Key West, Starke, Havana, Newberry, Fort Meade, Lake Worth and the Kissimmee Utility Authority (KUA). In supplying this power, FMPA has various resources in its portfolio. These power resources include purchases from other utilities, FMPA generation and non-FMPA generation. (The terms "FMPA generation" and "Non-FMPA generation" do not refer to whether FMPA has an ownership interest in a particular power resource; instead these terms delineate between power resources under FMPA's operational control, FMPA generation, and those power resources not under FMPA's operational control, non-FMPA generation.) The generating resources that FMPA controls are units located at Vero Beach, Ft. Pierce, Key West, Lake Worth and KUA. These units, the MW capacity of each unit and the types of fuel available for each unit are listed in Attachment A. For non-FMPA generating units, the Owner-Operator is responsible for the fuel supply.

2. **Purpose**

a) This fuel emergency plan details how FMPA anticipates handling different fuel emergencies for FMPA generation while serving the electrical needs of the All-Requirements municipalities. There are two types of fuel that can be used in these generating units - natural gas and oil. Due to the oil embargo in the 1970's and the gas pipeline rupture in 1998, FMPA is developing this plan to handle constraints on either of the two fuels. This plan will be enacted if the State of Florida and/or FRCC declares a fuel emergency.

3. **Natural Gas Emergency Plan**

a) When one or more natural gas pipelines are severely constrained, Florida Gas Transmission, Inc. (FGT) or Gulfstream is required to notify FMPA of the constraint on their pipeline and inform FMPA of the amount of natural gas available. Immediately upon notification of the constraint, FMPA will implement its plans to reduce its natural gas usage on the affected line(s). The plan is as follows:

1. During the time of the fuel emergency, any purchase power available shall be utilized to the extent appropriate, taking into account relevant surrounding factors. All load management and interruptible load will be implemented and all non-firm sales will be terminated. Any natural gas available on the alternate pipeline will be utilized as deemed appropriate.

2. If more natural gas reduction is required, switching will be initiated on all Vero Beach units and KUA Hansel and Cane Island units from natural gas to an alternate fuel.

a) If further natural gas reduction is required, Key West will be notified to start all units. Vero Beach and Ft. Pierce will begin to take all units using natural gas off up to the MW amount that equals the amount supplied by the Key West units.

b) If more natural gas reduction is required, acquire the proper authorization from Florida Department of Environmental Protection (DEP) to allow the generating units to violate their stated permits.

c) If all the above options have been utilized and FMPA is still using too much natural gas, FMPA will call on the other utilities for emergency power. If emergency power is available, FMPA will purchase the necessary amount of emergency power and reduce the natural gas fired units by the amount of MWs purchased.

d) If FMPA is still above the natural gas restriction after all of these steps, FMPA will declare an emergency and go to its Capacity Emergency Plan for reducing load.

#### 4. Fuel Oil Emergency Plan

a) Fuel oil is stored at all the generating sites mentioned previously. In general, for generation that can utilize natural gas, enough fuel oil is on site to run a unit at 50% capacity factor for approximately 5 to 10 days except for Ft. Pierce. At Ft. Pierce, some of the units are not permitted (due to environment constraints) to use fuel oil unless natural gas is not available. As such, only enough fuel oil is on site at Ft. Pierce for the units to run at a 25% capacity factor for approximately 5 to 10 days. If fuel oil shipments are delayed due to unforeseen circumstances, FMPA has several days to implement a change to alternate fuels. During that time period, FMPA will analyze the situation and determine the best plan to ensure reliability in the most cost efficient manner. FMPA will utilize all alternate fuels and aggressively seek out purchase power to prevent power interruption.

b) Under any fuel emergency, FMPA plans to work with all utilities to prevent power interruption to any customer. If alternative fuels and purchase power are not available, FMPA will implement its Capacity Emergency plan to prepare for the possibility of reducing load. The Capacity Emergency plan provides for notification to the State of Florida and the FRCC and provides for the method of reducing load.

## ATTACHMENT A

Operating Utility	Unit and MW Capability	Primary Fuel	Alternate Fuel
Vero Beach	Vero #1 - 11 MWs	Natural Gas	None
	Vero #2 (Heat Recovery unit) - 15 MWs	None	None
	Vero #3 - 33 MWs	Natural Gas	Oil
	Vero #4 - 54 MWs	Natural Gas	Oil
	Vero #5 - 35 MWs	Natural Gas	Oil
Ft. Pierce	King #5 (Heat Recovery unit) - 10 MWs	None	None
	King #7 - 28 MWs	Natural Gas	Oil*
	King #8 - 46 MWs	Natural Gas	Oil*
	King #9 - 21 MWs	Natural Gas	Oil
	King Diesels - 5 MWs	Oil	
Key West	Key West Ct #1 - 17 MWs	Oil	
	Key West Ct #2, #3 - 34 MWs	Oil	
	Medium Speed Diesels #1, #2 - 11 MWs	Oil	
	High Speed Diesels #1, #2, #3 - 4.5 MWs	Oil	
	CudJoe #1, #2 - 3 MWs	Oil	
	Big Pine - 1.5 MWs	Oil	
Lake Worth	T. G. Smith S-2 (Heat Recovery Unit)- 20 MWs	None	None
	T. G. Smith S-3 - 26 MWs	Natural Gas	Oil
	T. G. Smith GT 5 - 10 MWs	Natural Gas	Oil
	T. G. Smith GT 1 - 31 MWs	Oil	
	T. G. Smith MUs - 10 MWs	Oil	
KUA	Hansel 8 - 2 MWs	Natural Gas	Oil
	Hansel 14 - 2 MWs	Natural Gas	Oil
	Hansel 15 - 2 MWs	Natural Gas	Oil
	Hansel 16 - 2 MWs	Natural Gas	Oil
	Hansel 17 - 2 MWs	Natural Gas	Oil
	Hansel 18 - 2 MWs	Natural Gas	Oil
	Hansel 19 - 2.5 MWs	Oil	
	Hansel 20 - 2.5 MWs	Oil	
	Hansel CC - 45 MWs	Natural Gas	Oil
KUA	Cane Island CT #1 - 30 MWs	Natural Gas	Oil
	Cane Island CC #2 - 120 MWs	Natural Gas	Oil
	Cane Island CC #3 - 240 MWs	Natural Gas	Oil

\* Approval required by the Department of Environmental Protection