

current state of technology development, it is uncertain that on-

board fuel processing activities will be on track to meet the ultimate technical

criteria to support the transition to a hydrogen economy as shown in Table 1.

TABLE 1.

Attribute	Units	2003 status	2004 demo criteria	Ultimate target
Transient .....	sec .....	60	<5, 10% to 90% and 90% to 10%.	<1, 10% to 90% and 90% to 10%
Start-up Time .....	sec .....	<600 (+20°C)	<60 to 90% traction power .....	<2 to 10%, <30 to 90%
Start-up Energy .....	MJ/50kWe .....	<2	<2 .....	<2
Efficiency .....	% .....	78	78 .....	>80
Power density .....	W/L .....	700	700 .....	2,000
Durability .....	hours .....	2000	2000 and >50 stop/starts .....	5,000 and 20,000 starts
Sulfur Tolerance .....	ppb .....	<50	<50 out from 30 ppm in .....	<10 out from 30 ppm in
Turndown, cost .....	ratio .....	20:1	20:1 .....	>50:1
	\$/kWe .....	65	n/a .....	<10

Specifically challenging are start-up time/energy and cost. The Department has decided to review the current state of on-board fuel processing and the technology path forward as a "Go/No-Go Decision" whether to continue on-board fuel processing activities in June 2004. The criteria for the review will be to demonstrate that the 2004 demonstration criteria can be met using available technology as demonstrated in experimental hardware. A clear technical path to achieving the ultimate targets is also required. It is desired that a single system be demonstrated that meets all criteria simultaneously; however, if integration with other technologies is needed to simultaneously meet all targets, the technologies must be compatible. For more information about the Hydrogen, Fuel Cells and Infrastructure technologies Program and related fuel processing activities visit the program's Web site at [www.eere.energy.gov/hydrogenandfuelcells](http://www.eere.energy.gov/hydrogenandfuelcells).

Issued in Golden, Colorado, on January 21, 2004.

**Mary Hartford,**

*Acting Director, Office of Acquisition and Financial Assistance.*

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## DEPARTMENT OF ENERGY

### Federal Energy Regulatory Commission

[Docket Nos. ER04-242-000, EL04-50-000, ER04-115-000, EL04-47-000]

#### Pacific Gas and Electric Company and California Independent System Operator Corporation; Notice of Initiation of Proceeding and Refund Effective Date

January 27, 2004.

Take notice that on January 23, 2004, the Commission issued an order in the above-referenced dockets initiating an investigation in Docket No. EL04-50-000 under section 206 of the Federal Power Act.

The refund effective date in Docket No. EL04-50-000, established pursuant to section 206(b) of the Federal Power Act, will be 60 days following publication of this notice in the **Federal Register**.

**Magalie R. Salas,**

*Secretary.*

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## DEPARTMENT OF ENERGY

### Federal Energy Regulatory Commission

#### Notice of Application Accepted for Filing and Soliciting Motions To Intervene, Protests, and Comments

January 28, 2004.

Take notice that the following hydroelectric application has been filed with the Commission and is available for public inspection:

a. *Type of Application:* Preliminary Permit.

b. *Project No.:* 12481-000.

c. *Date filed:* December 19, 2003.

d. *Applicant:* AMG Energy, LLC.

e. *Name of Project:* Selden Dam Project.

f. *Location:* On the Black Warrior River, in Greene and Hale Counties, Alabama, utilizing the U.S. Army Corps of Engineers' Selden Dam.

g. *Filed Pursuant to:* Federal Power Act, 16 U.S.C. 791(a)—825(r).

h. *Applicant Contact:* Janis Millett, Esq., AMG Energy, LLC, Lincoln Square, 555 Eleventh Street, NW., Sixth Floor, Washington, DC 20004, (202) 508-3415.

i. *FERC Contact:* Robert Bell, (202) 502-6062.

j. *Deadline for filing comments, protests, and motions to intervene:* 60 days from the issuance date of this notice.

All documents (original and eight copies) should be filed with: Magalie R. Salas, Secretary, Federal Energy Regulatory Commission, 888 First Street, NE., Washington, DC 20426. Please include the project Number (P-12481-000) on any comments, protests, or motions filed.

The Commission's Rules of Practice and Procedure require all interveners filing documents with the Commission to serve a copy of that document on each person in the official service list for the project. Further, if an intervener files comments or documents with the Commission relating to the merits of an issue that may affect the responsibilities of a particular resource agency, they must also serve a copy of the document on that resource agency.

k. *Description of Project:* The proposed project utilizing the Corps existing Selden Dam and would consist of: (1) A proposed powerhouse containing 2 or 3 generating units and having a total installed capacity of 6 megawatts, (2) a proposed 2-mile-long, 14.7 kilovolt transmission line, and (3) appurtenant facilities. Applicant