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Feldman**

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FEDERAL ENERGY  
REGULATORY COMMISSION

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**Margaret A. Moore**  
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February 22, 2005


Magalie R. Salas  
Secretary  
Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, D.C. 20426

Re:  
Docket No. QF05-\_\_\_\_-000

Dear Secretary Salas:

Attached is a notice of self-certification of Spring Canyon Energy, LLC (Applicant) for Applicant's proposed cogeneration facility located in Mona, Utah (Facility) as a qualifying cogeneration facility under the Public Utility Regulatory Policies Act of 1978. As required pursuant to sections 292.207(a)(1) and 131.80 of the Commission's regulations, this notice of self-certification is submitted in the format prescribed by the Commission's Form 556.

Sincerely,



Margaret A. Moore  
Counsel for Spring Canyon Energy, LLC

Attachment

**FERC FORM 556****CERTIFICATION OF QUALIFYING FACILITY STATUS  
FOR A PROPOSED COGENERATION FACILITY****Part A  
GENERAL INFORMATION****1a. Full name of Applicant:**

Spring Canyon Energy, LLC (Applicant)

**1b. Full address of Applicant:**

Spring Canyon Energy, LLC  
F. David Graeber  
10440 N. Central Expressway, #1400  
Dallas, TX 75231

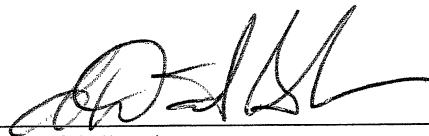
**1c. Owners/operators of Facility:**

USA Power Partners, LLC, an Oklahoma LLC is 100% owner of Applicant, a Utah LLC. USA Power Partners, LLC is owned by USA Power, LLC, a Delaware LLC and by Sooner Power Partners, LLC, an Oklahoma LLC. USA Power, LLC receives 60% of the benefit of USA Power Partners, LLC and Sooner Power Partners, LLC receives 40% of the benefit of USA Power Partners, LLC. There are three individuals who are owners/members of USA Power, LLC and there are four individuals who are owners/members of Sooner Power Partners, LLC; none of these individuals owns more than 10% of any public utility. The operations of the facility will be provided by Quixx Power Services, Inc.

Based on the foregoing, no public utility, public utility holding company or combination or group thereof owns or controls more than fifty percent (50%) of the

facility. None of the owners of Applicant or their upstream owners are engaged in the generation of or the sale of electric power, or have any ownership or operating interest in any electric facilities other than qualifying facilities. A chart depicting Applicant's ownership structure is attached as Exhibit A.

**1d. Signature of authorized individual evidencing accuracy and authenticity of information provided by Applicant:**



F. David Graeber  
Managing Member  
Spring Canyon Energy, LLC

**2. Persons to whom communications regarding the filed information may be addressed:**

F. David Graeber  
Managing Member  
Spring Canyon Energy, LLC  
214-520-8177  
10440 N. Central Expressway, #1400  
Dallas, TX 75231

Randy Allison  
Director, Technical Services  
Quixx Corporation  
806-342-2110  
500 South Taylor  
Suite 400  
Amarillo, TX 79101

Margaret A. Moore  
Van Ness Feldman  
A Professional Corporation  
1050 Thomas Jefferson Street, N.W.  
Seventh Floor  
Washington, D.C. 20007

**3a. Location of Facility:**

State: Utah  
County: Juab  
City or town: Mona  
Street address: N/A

**3b. Electric utility transactions with Facility:**

The proposed facility will interconnect with the PacifiCorp system selling power directly to PacifiCorp. PacifiCorp will provide supplementary power and maintenance power.

**4a. Description of principal components of Facility:**

The proposed cogeneration facility will consist of a single nominal 150 MWe combustion turbine (CT) and a nominal 75 MWe steam turbine (ST) (Option 1), or a single nominal 80 MWe CT and a nominal 40 MWe ST (Option 2). A portion of the electric power from the generators will be sold to PacifiCorp, a portion will be used for facility auxiliary power loads, and the remaining power if any, will be available for merchant sales. The power sold will be increased from the 13.8 kV generator potential to 345 kV via a facility owned transformer and delivered to the Mona Substation through a facility owned switch yard.

The CT will be capable of firing natural gas and the heat rejected as exhaust gas from the CT will enter a dedicated heat recovery steam generator (HRSG). The HRSG will be equipped with natural gas supplemental firing. Steam from the HRSG will enter the steam chest of the condensing steam turbine and either extraction steam from the steam turbine or intermediate pressure steam from the IP section of the HRSG will be sent the thermal host via the facility steam header.

**4b. Electric power production capacity of Facility:**

The maximum expected on-site electric production at 60 °F and 38 °F wet bulb temperature for Option 1 is:

Maximum gross capacity:	200,713 kW
Facility auxiliary load at above conditions:	5,003 kW
Maximum net capacity	195,710 kW

The maximum expected on-site electric production at 60 °F and 38 °F wet bulb temperature for Option 2 is:

Maximum gross capacity:	93,516 kW
Facility auxiliary load at above conditions:	3,246 kW
Maximum net capacity	90,270 kW

**4c. Installation/operation dates of Facility:**

The expected date of commercial operation is June 1, 2007.

**4d. Primary energy input of Facility:**

The energy input to the facility will be natural gas.

**5. Average annual hourly energy input of fossil fuel to Facility:**

The average annual hourly fuel input for Option 1 is:	1,301.3 MMBtu/hr LHV.
The average annual hourly fuel input for Option 2 is:	707.5 MMBtu/hr LHV.

**6. Particular characteristics of Facility that bear on its QF status:**

As shown in Part C below, the facility satisfies the operating and efficiency standards necessary to achieve qualifying status. The facility meets the ownership standard by virtue of no greater than 50% ownership by utility affiliated entities.

**Part B**

**DESCRIPTION OF THE SMALL POWER PRODUCTION FACILITY**

7. N/A

8. N/A

## PART C

### DESCRIPTION OF THE COGENERATION FACILITY

**9. Description of cogeneration system:** The cogeneration facility proposed is a topping-cycle cogeneration facility. The facility will provide steam to an industrial user (the thermal host) and electricity for PacifiCorp. Electricity will be generated using either a nominal 150 MWe (CT) and a nominal 75 MWe (ST) for Option 1 or a nominal 80 MWe CT and a nominal 40 MWe ST for Option 2. The CT will be capable of firing natural gas only. Heat rejected as exhaust gas from the CT will enter into a heat recovery steam generator (HRSG). The HRSG will be equipped with natural gas supplemental firing. High pressure steam from the HRSG will enter the facility ST and either steam from an extraction from the ST or steam from the IP section of the HRSG will be used to supply steam to the facility steam header which will be used to supply steam to the thermal host.

**10. Mass and heat balance diagrams.**

Mass and heat balance diagrams for Option 1 and Option 2 depicting annual average hourly operating conditions on 8060 hours per year are provided in Exhibit B and Exhibit C respectively. The average annual hourly fuel input is:

Option 1:	Combustion Turbine Fuel	1301.3 MMBtu/hr LHV
	Supplemental Fired Fuel	0 MMBtu/hr LHV
Option 2:	Combustion Turbine Fuel	707.5 MMBtu/hr LHV
	Supplemental Fired Fuel	0 MMBtu/hr LHV

The average annual net electrical output of the facility is:

Option 1:	195,710 kW
Option 2:	90,270 kW

## 11. Computation of operating and efficiency values for Facility:

### Option 1

$$\begin{aligned} P_t &= 165.3 \text{ MMBtu/hr} \\ P_e &= 668.15 \text{ MMBtu/hr} \\ P_m &= 0 \text{ MMBtu/hr} \\ P_i &= 1301.3 \text{ MMBtu/hr LHV} \\ P_s &= 0 \text{ MMBtu/hr} \end{aligned}$$

#### Operating Value:

$$\begin{aligned} &P_t / (P_t + P_e + P_m) \\ &= 165.3 / (165.3 + 668.15) \\ &= 18.3\% \end{aligned}$$

#### Efficiency Value:

$$\begin{aligned} &(P_e + P_m + 0.5P_t) / (P_i + P_s) \\ &= (668.15 + (0.5 \times 165.3)) / (1301.3) \\ &= 57.12\% \end{aligned}$$

### Option 2

$$\begin{aligned} P_t &= 165.3 \text{ MMBtu/hr} \\ P_e &= 308.2 \text{ MMBtu/hr} \\ P_m &= 0 \text{ MMBtu/hr} \\ P_i &= 707.5 \text{ MMBtu/hr LHV} \\ P_s &= 0 \text{ MMBtu/hr} \end{aligned}$$

#### Operating Value:

$$\begin{aligned} &P_t / (P_t + P_e + P_m) \\ &= 165.3 / (165.3 + 308.2) \\ &= 32.7\% \end{aligned}$$

#### Efficiency Value:

$$\begin{aligned} &(P_e + P_m + 0.5P_t) / (P_i + P_s) \\ &= (308.2 + (0.5 \times 165.3)) / (707.5) \\ &= 54.17\% \end{aligned}$$

### For Topping-Cycle Cogeneration Facilities



**12. Thermal Hosts of Facility:**

The thermal host for the facility will be an ethanol manufacturing facility developed by a yet to be formally named group of Utah investors, which will utilize the thermal energy for process needs.

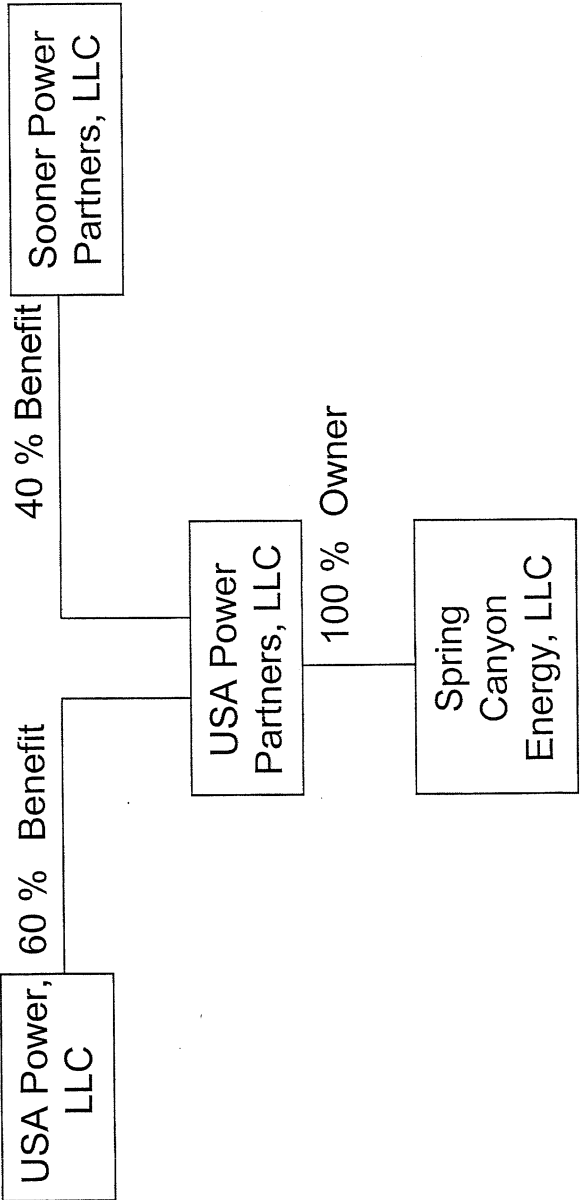
**13. Description of Thermal Output Use:**

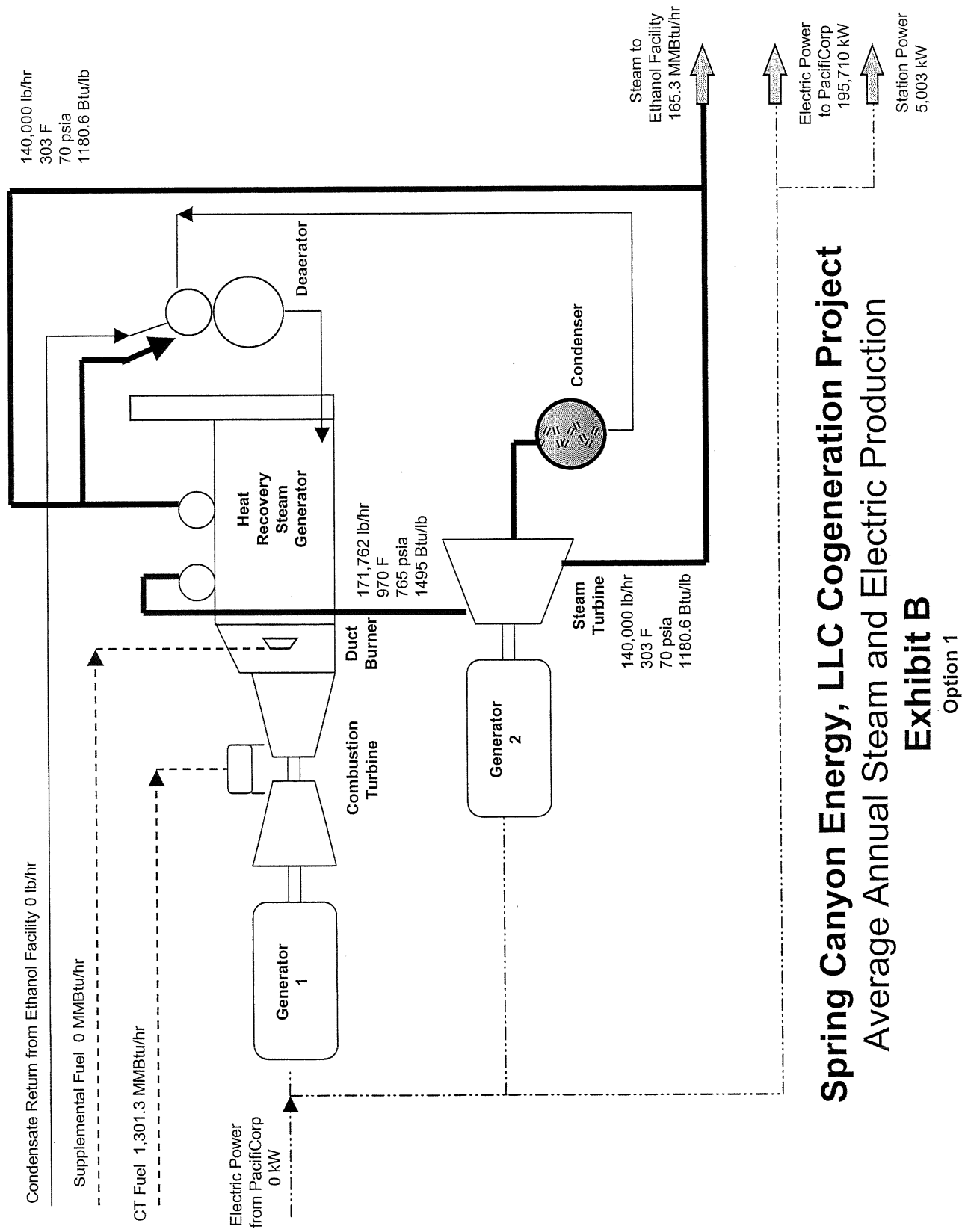
On an annual average basis, 140 klb/hr of dry saturated steam at 60 psia will be delivered to the steam host for their process heating needs. Currently condensate is not expected to be returned to Applicant's facility.

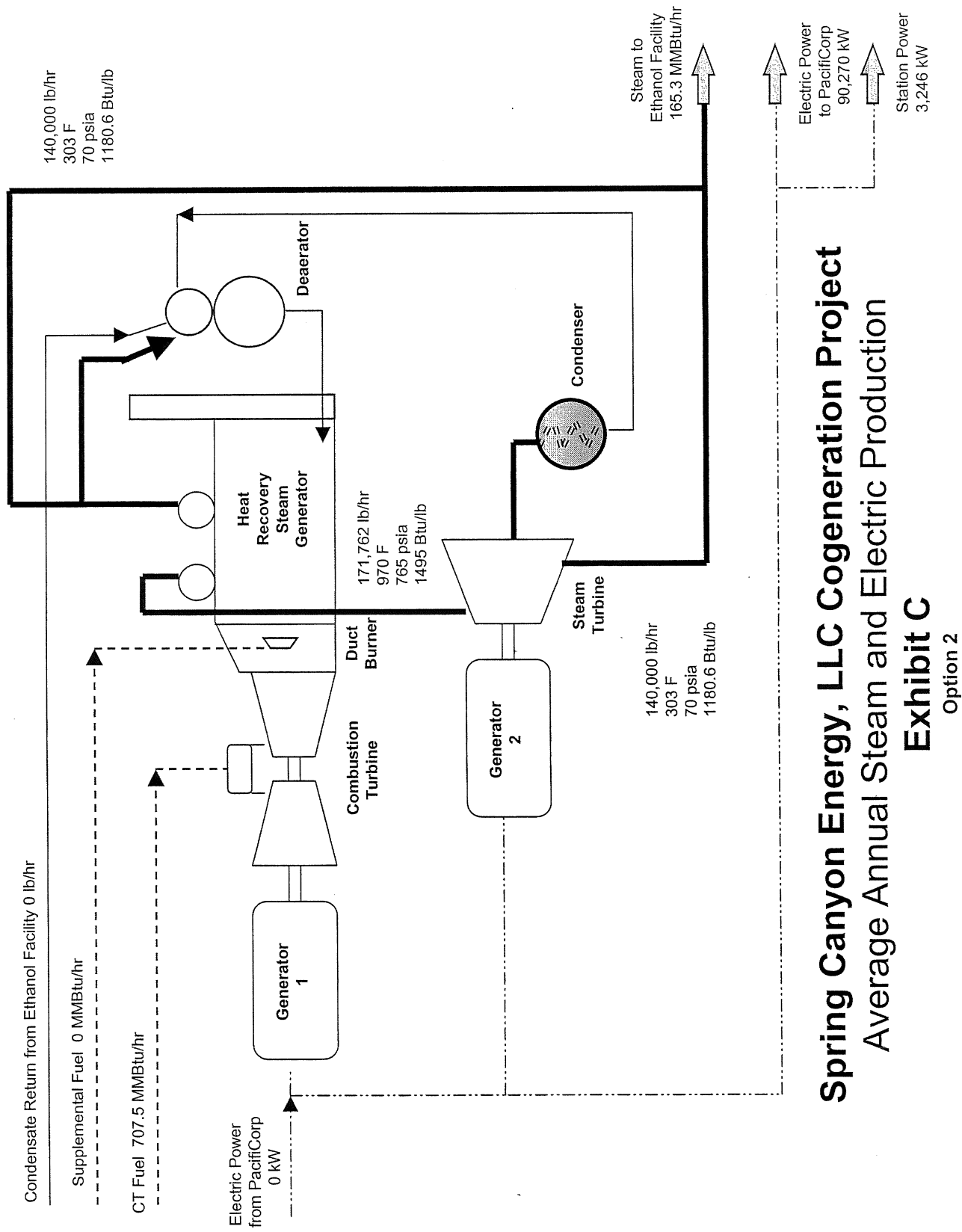
**For Bottoming-Cycle Facilities**

**14. N/A**

**Spring Canyon Energy, LLC Cogeneration Project**  
Ownership Chart  
**Exhibit A**







# Spring Canyon Energy, LLC Cogeneration Project

## Average Annual Steam and Electric Production


### Exhibit C

Option 2

CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing notice of self-certification of Spring Canyon Energy, LLC located near Mona, Utah as a qualifying cogeneration facility under the Public Utility Regulatory Policies Act of 1978 upon the following affected electric utilities and State regulatory authorities as defined at 18 C.F.R. § 292.207(a)(1)(ii): PacifiCorp and the Public Service Commission of Utah.

Dated at Washington, D.C., this 22nd day of February, 2005.

A handwritten signature in black ink, appearing to read 'Margaret A. Moore', written over a horizontal line.

Margaret A. Moore  
Van Ness Feldman  
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