

YOUNG, VAN ASSENDERP, VARNADOE & ANDERSON, P. A.
ATTORNEYS AT LAW

REPLY TO:

Tallahassee

R. BRUCE ANDERSON
CLAY C. BROOKER
TASHA O. BUFORD
DANIEL H. COX
TIMOTHY S. FRANKLIN
DAVID P. HOPSTETTER*
C. LAURENCE KEESEY
KENZA VAN ASSENDERP
GEORGE L. VARNADOE
ROY C. YOUNG

*BOARD CERTIFIED REAL ESTATE LAWYER

OF COUNSEL
DAVID B. ERWIN
A.J. JIM SPALLA

MEMORANDUM

GALLIE'S HALL
225 SOUTH ADAMS STREET
SUITE 200
POST OFFICE BOX 1833 (ZIP 32302-1833)
TALLAHASSEE, FLORIDA 32301
TELEPHONE (850) 222-7206
TELECOPIER (850) 561-6834

SUNTRUST BUILDING
801 LAUREL OAK DRIVE
SUITE 300
POST OFFICE BOX 7907 (ZIP 34101-7907)
NAPLES, FLORIDA 34108
TELEPHONE (941) 597-2814
TELECOPIER (941) 597-1060

TO: Blanca Bayo
Records and Recording

FROM: Roy C. Young *RCY/swp*

DATE: April 6, 2001

SUBJECT: Docket #010142-EM

Enclosed find original and 15 copies of late file Deposition Exhibit 2 - Syngas Cost Estimate for Stanton A - for filing in the above-captioned docket.

If you have any questions, please call.

Thank you.

RCY:swp
Enclosure

cc: Cochran Keating
Mark Futrell

sparrett\ouc\Bayo re Syngas Cost Estimate.Apr. 6

DOCUMENT NUMBER-DATE

04308 APR-6 2001

FPSC-RECORDS/REPORTING

Syngas Cost Estimate for Stanton A

Basis	Technology		
	Texaco	E-Gas	Shell
MW gross power generation (394 MW from 2 GE 7FA CTGs and 231 MW from STG)	625	625	625
MW net power generation from CTs only	394	394	394
BTU HHV coal/kwh net electricity heat rate (Shell Coal Gasification)	7,363	7,363	7,363
MMBTU/hr HHV coal consumption	2,901	2,901	2,901
MMBTU/hr LHV syngas production (100% cap for 2 GE 7FA CTs rated at 197 MW each)	3,380	3,380	3,380
Plant Capacity Factor	70%	70%	70%
Capital Cost (\$Million)			
Installed cost for Syngas Production Plant	\$ 370	\$ 410	\$ 500
Fixed charge rate (NFP application pg.1A.5-2)	11.19%	11.19%	11.19%
TOTAL	\$ 41.4	\$ 45.9	\$ 56.0
O&M Cost, excluding fuel (\$Million)			
Staff Cost	\$ 18.0	\$ 18.0	\$ 17.5
Other Fixed O&M	\$ 2.8	\$ 2.8	\$ 2.8
Variable cost, excluding fuel	\$ 12.0	\$ 12.8	\$ 10.0
TOTAL	\$ 32.8	\$ 33.6	\$ 30.3
Coal Cost (2001)			
/MMBTU HHV (NFP application pg. 1A.5-6)	\$ 1.94	\$ 1.94	\$ 1.94
Annual Cost	\$ 34.5	\$ 34.5	\$ 34.5
Annual Cost Summary			
Capital	\$ 41.4	\$ 45.9	\$ 56.0
O &M	\$ 32.8	\$ 33.6	\$ 30.3
Coal	\$ 34.5	\$ 34.5	\$ 34.5
Annual Total	\$ 108.7	\$ 114.0	\$ 120.8
SYNGAS COST (\$/MMBTU)			
LHV	\$ 5.25	\$ 5.50	\$ 5.83
HHV	\$ 4.98	\$ 5.22	\$ 5.54