

990325-EI

**LATE-FILED EXHIBIT 2  
DEPOSITION OF WILLIAM F. POPE**

**TRANSMISSION STUDY SUMMARIES**

DOCUMENT NUMBER-DATE

07147 JUN 11 8 083

FPSC-RECORDS/REPORTING

Part 2 of 4  
DN 06499-99  
5/24/99

[REDACTED]

[REDACTED]

[REDACTED]

Cost

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

ASSUMPTIONS:

[REDACTED]

NOTES:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Cost

Cost

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

TOTAL

[REDACTED]

[REDACTED]

ASSUMPTIONS:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

NOTE:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

POD #2

[REDACTED]

[REDACTED]

[REDACTED]

Cost

Cost

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

TOTAL

ASSUMPTIONS:

[REDACTED]

NOTE:

[REDACTED]

Pod #2

[REDACTED]

[REDACTED]

[REDACTED]

Cost	Cost
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

TOTAL

[REDACTED]

ASSUMPTIONS:

[REDACTED]

NOTE:

[REDACTED]





Late-filed Exhibit #4 from  
Deposition of William Pope

(Confidential)



CONFIDENTIAL

Year	Southern Units Additions		Accumulative MW	Summer Reserve Margin		Capital Costs (000\$)	Fixed O&M (000\$)	Fixed Fuel Charge (000\$)	Trans. Grid/Conn (000\$)	Trans. Losses (000\$)	Var. O&M / Fuel (000\$)	Expan. Plan Fixed Costs (000\$)	Total (000\$)	Present Worth Factor	PW Rev. Req. (000\$)	Accum. PW Rev. Req. (000\$)
	C.I. MW	Total MW		Southern %	Gulf %											
2002																
2003																
2004																
2005																
2006																
2007																
2008																
2009																
2010																
2011																
2012																
2013																
2014																
2015																
2016																
2017																
2018																
2019																
2020																
2021																
2022																

160

YEAR	PEAK DEMAND (MW)	STARTING CAPACITY (MW)	CAPACITY ADDITION (MW)	ENDING CAPACITY (MW)	PERCENT RESERVES
2002					
2003					
2004					
2005					
2006					
2007					
2008					
2009					
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2011					
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2013					
2014					
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2016					
2017					
2018					
2019					
2020					
2021					

DOCUMENT NUMBER-DATE

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Year	Southern Units Addition				Summer Reserve Margin		Capital Costs (000\$)	Fixed O&M (000\$)	Fixed Fuel Charge (000\$)	Trans. Grid/Conn (000\$)	Trans. Losses (000\$)	Proview O&M/Fuel (000\$)	Proview Fixed Expan. Plan Fixed Costs (000\$)	Total (000\$)	Present Worth Factor	PW Rev. Req. (000\$)	Accum. PW Rev. Req. (000\$)	Delta Resp. - SelfBuild Accum. PW Rev. Req.
	LC MW	LT MW	Total MW	Accumulate MW	Southern %	Out %												
2002																		
2003																		
2004																		
2006																		
2007																		
2008																		
2009																		
2010																		
2011																		
2012																		
2013																		
2014																		
2015																		
2016																		
2017																		
2018																		
2019																		
2020																		
2021																		
2022																		

Additional MW Required to get to 12.65

76

YEAR	PEAK DEMAND (MW)	STARTING CAPACITY (MW)	CAPACITY ADDITION (MW)	ENDING CAPACITY (MW)	PERCENT RESERVES
2002					
2003					
2004					
2006					
2007					
2008					
2009					
2010					
2011					
2012					
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					
2021					

092

Year	Southern Units Additions				Summer Reserve Margin		Capital Costs (000\$)	Fixed O&M (000\$)	Fixed Fuel Charge (000\$)	Trans. Grid/Conn (000\$)	Trans. Losses (000\$)	Var. O&M / Fuel (000\$)	Expan Plan Fixed Costs (000\$)	Total (000\$)	Present Worth Factor	PW Rev. Req. (000\$)	Accum. PW Rev. Req. (000\$)	Debt Resp - SelfBuild Accum. PW Rev. Req. (000\$)
	CL MW	CI MW	Total MW	Accumulative MW	Southern %	Out %												
2002																		
2003																		
2004																		
2005																		
2006																		
2007																		
2008																		
2009																		
2010																		
2011																		
2012																		
2013																		
2014																		
2015																		
2016																		
2017																		
2018																		
2019																		
2020																		
2021																		
2022																		

060

YEAR	PEAK DEMAND	STARTING CAPACITY	CAPACITY ADDITION	ENDING CAPACITY	PERCENT RESERVE
2002					
2003					
2004					
2005					
2006					
2007					
2008					
2009					
2010					
2011					
2012					
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					
2021					

Proposed Size (MW)															Data				
Year	Southern Units Additions				Summer Reserve Margin		Capital Costs (000\$)	Fixed O&M (000\$)	Fixed Fuel Charge (000\$)	Trans. Grid/Conn (000\$)	Trans. Losses (000\$)	Var. O&M / Fuel (000\$)	Expan. Plan Fixed Costs (000\$)	Total (000\$)	Present Worth Factor	PW Rev. Req. (000\$)	Accum. PW Rev. Req. (000\$)	Resp. Build	Accum. PW Rev. Req. (000\$)
	CC MW	CI MW	Total MW	Accumulative MW	Summer Southern %	Margin Out %													
2002																			
2003																			
2004																			
2005																			
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
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2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

YEAR	PEAK DEMAND (MW)	STARTING CAPACITY (MW)	CAPACITY ADDITION (MW)	ENDING CAPACITY (MW)	PERCENT RESERVES
2002					
2003					
2004					
2005					
2006					
2007					
2008					
2009					
2010					
2011					
2012					
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					
2021					

460

Year	Physical Size (MW)	CC MW	Southern Units Addition		Accumulative MW	Summer Reserves Margin Southern %	Capital Costs (000)	Fixed O&M (000)	Fixed Fuel Charge (000)	Trans. GridConn (000)	Trans. Losses (000)	Var. O&M / Fuel (000)	Espan. Plan Fixed Costs (000)	Total (000)	Present Worth Factor	PW Rev. Req. (000)	Accum. PW Rev. Req. (000)	Date Resp. - Selfbuild Accum. PW Rev. Req. (000)
			CI MW	Total MW														
2002																		
2003																		
2004																		
2005																		
2006																		
2007																		
2008																		
2009																		
2010																		
2011																		
2012																		
2013																		
2014																		
2015																		
2016																		
2017																		
2018																		
2019																		
2020																		
2021																		
2022																		

YEAR	PEAK DEMAND (MW)	STARTING CAPACITY (MW)	CAPACITY ADDITION (MW)	ENDING CAPACITY (MW)	PERCENT RESERVES
2002					
2003					
2004					
2005					
2006					
2007					
2008					
2009					
2010					
2011					
2012					
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					
2021					

Year	Southern Units Additions				Summer Reserve Margin		Capital Costs (000\$)	Fixed O&M (000\$)	Fixed Fuel Charge (000\$)	Trans Grid/Conn (000\$)	Trans Losses (000\$)	Var. O&M/Fuel (000\$)	Expen. Plan Fixed Costs (000\$)	Total (000\$)	Present Worth Factor	PW Rev. Req. (000\$)	Accum. PW Rev. Req. (000\$)	Data Resp. - Settlement Accum. PW Rev. Req. (000\$)
	CC MW	CI MW	Total MW	Accumulative MW	Bottom %	Grid %												
2002																		
2003																		
2004																		
2005																		
2006																		
2007																		
2008																		
2009																		
2010																		
2011																		
2012																		
2013																		
2014																		
2015																		
2016																		
2017																		
2018																		
2019																		
2020																		
2021																		
2022																		

003

YEAR	PEAK DEMAND (MW)	STARTING CAPACITY (MW)	CAPACITY ADDITION (MW)	ENDING CAPACITY (MW)	PERCENT RESERVES
2002					
2003					
2004					
2005					
2006					
2007					
2008					
2009					
2010					
2011					
2012					
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					
2021					

Year	Southern Units Additions				Summer Reserve Margin		Capital Costs (000\$)	Fixed O&M (000\$)	Fixed Fuel Charge (000\$)	Trans Grid/Conn (000\$)	Trans Losses (000\$)	Var O&M/Fuel (000\$)	Expan. Plan Fixed Costs (000\$)	Total (000\$)	Percent Worth Factor	PW Rev Req (000\$)	Accum. PW Rev Req (000\$)	Data Resp. - Set Build Accum PW Rev Req (000\$)
	CC MW	CI MW	Total MW	Accumulative MW	Southern %	Out %												
2002																		
2003																		
2004																		
2005																		
2006																		
2007																		
2008																		
2009																		
2010																		
2011																		
2012																		
2013																		
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2015																		
2016																		
2017																		
2018																		
2019																		
2020																		
2021																		
2022																		

007

YEAR	PEAK DEMAND (MW)	STARTING CAPACITY (MW)	CAPACITY ADDITION (MW)	ENDING CAPACITY (MW)	PERCENT RESERVE
2002					
2003					
2004					
2005					
2006					
2007					
2008					
2009					
2010					
2011					
2012					
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					
2021					





Year	Southern Units Assets				Summer Reserve Margin		Capital Costs (000\$)	Fixed O&M (000\$)	Fixed Fuel Charge (000\$)	Trans. Grd/Conn (000\$)	Trans. Leasee (000\$)	Var. O&M/Fuel (000\$)	Expan. Plan Fixed Costs (000\$)	Total (000\$)	Present Worth Factor	PW Rev Req (000\$)	Accum. PW Rev Req (000\$)	Data Resp. - Self Build Accum. PW Rev Req (000\$)
	CC MW	CC MW	Total MW	Accumulative MW	Summer Margin %	Reserve Margin %												
2002																		
2003																		
2004																		
2005																		
2006																		
2007																		
2008																		
2009																		
2010																		
2011																		
2012																		
2013																		
2014																		
2015																		
2016																		
2017																		
2018																		
2019																		
2020																		
2021																		
2022																		

093

YEAR	PEAK DEMAND (MW)	STARTING CAPACITY (MW)	CAPACITY ADDITION (MW)	ENDING CAPACITY (MW)	PERCENT RESERVE
2002					
2003					
2004					
2005					
2006					
2007					
2008					
2009					
2010					
2011					
2012					
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					
2021					

