BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

REDACTED

In re: Petition for determination of Need for Levy Units 1 and 2 Nuclear Power Plants

Docket No. 080148-EI

PROGRESS ENERGY FLORIDA'S THIRD REQUEST FOR CONFIDENTIAL CLASSIFICATION

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PEF-LNN-001884

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NAVIGANT
CONSULTING

TRANSMISSION SYSTEM IMPACT STUDY IN SUPPORT OF SITE SELECTION FOR A FLORIDA NUCLEAR PLANT

Prepared for

June 30, 2006

Prepared by

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Economic Results Table - Include Trans and Tax Credits Impacts

Nuclear Full Ownership Case *(CapEx Sensitivity)*

Full Ownership Versus All Gas CPVRR $Mil

	LNP CapEx (10%)	Base Fuel (Delta Base)	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO2 Delta Base	($121) $600	($721)	($1,321) $600	($1,921) $1,200	($2,521) $1,800
MIT Low	$934	$334 $1,055	($266)	($866)	($1,466)
MIT Low Mid	$1,623	$1,023 $1,744	$423	($177)	($777)
MIT Mid	$2,313	$1,713 $2,434	$1,113	$513	($87)
MIT High	$3,041	$2,441 $3,162	$1,841	$1,241	$641

Notes:

Preliminary - Based on Partial/Static Analysis

Preliminary - Fuel Scenarios Do Not Change Emissions Costs

Preliminary - Includes Tax Credits ($233 M) and Transmission ($143 M)

Preliminary - Fuel Spike Cases 2018-2019 and 2016-2020 @ 75% High

Draft - For Review Only

This preliminary analysis is speculative and has not been reviewed by the required internal contributors and management team. >> MDR 083007

Economic Results Table (CapEx with Higher Nuclear Fuel - Sept07)

Nuclear Full Ownership Case

Full Ownership Versus All Gas CPVRR $Mil

	LNP CapEx (10%)	Base Fuel (Delta Base)	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO2 Delta Base	($365) $600	($965)	($1,565) $600	($2,165) $1,200	($2,765) $1,800
MIT Low	$889	$89 $1,055	($511)	($1,111)	($1,711)
MIT Low Mid	$1,379	$779 $1,744	$179	($421)	($1,021)
MIT Mid	$2,068	$1,468 $2,434	$868	$268	($332)
MIT High	$2,796	$2,196 $3,162	$1,596	$996	$396

Notes:

Preliminary - Based on Partial/Static Analysis

Preliminary - Fuel Scenarios Do Not Change Emissions Costs

Preliminary - Includes Tax Credits ($233 M) and Transmission ($143 M)

Preliminary - Includes Prelim Nuclear Fuel Increase CPVRR Delta ($ 245M)

Preliminary - Fuel Spikes 2018-2019 @ 100% High and 2016-2020 @ 75% High

Draft - For Review Only

This preliminary analysis is speculative and has not been reviewed by the required internal contributors and management team. >> MDR 092007

Economic Results Table (December Preliminary Update)

Nuclear Full Ownership Case - CapEx Sensitivities

Full Ownership Versus All Gas CPVRR $Mil

	LNP CapEx (10%)	Base Fuel (CO_2 Impact)	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($1,205)	($2,002)	($2,798)	($3,595)	($4,391)
CapEx Impact ►	($795)		$796	$1,593	$2,389
Bingaman Specter Low CO_2	($44)	($841)	($1,637)	($2,434)	($3,230)
		$1,161			
FPL ICF Mid CO_2	$224	($572)	($1,369)	($2,165)	($2,961)
FPL Glades		$1,430			
MIT Low CO_2	$361	($436)	($1,232)	($2,029)	($2,825)
		$1,566			
Synapse Mid CO_2	$477	($319)	($1,116)	($1,912)	($2,709)
Sierra Club Glades		$1,682			
MIT Mid CO_2	$2,407	$1,611	$815	$18	($778)
		$3,613			
MIT High CO_2	$3,489	$2,692	$1,896	$1,099	$303
		$4,694			

Notes:

Preliminary - Static Analysis Overlay on May 2007 Results
Preliminary - Fuel Scenarios Do Not Change Emissions Costs
Preliminary - Emissions Costs Do Not Include Costs for Changes in Dispatch

Draft - For Review Only

This preliminary analysis is directional only and has not been reviewed by the required internal contributors and management team. Additional analysis will be required to support further inquiry. >> MDR 121907

Economic Results Table (CapEx with Higher Nuclear Fuel - Sept07)

Nuclear Ownership Case -

Full Ownership Versus All Gas CPVRR $Mil

	LNP CapEx (10%)	**Base Fuel** *(CO_2 Impact)*	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($319)	($919)	($1,519)	($2,119)	($2,719)
Fuel Impact ▶	$600		$600	$1,200	$1,800
MIT Low CO_2	$735	$135	($465)	($1,065)	($1,665)
		$1,055			
FPL ICF Mid CO_2	$1,039	$439	($161)	($761)	($1,361)
FPL Glades		$1,359			
Synapse Mid CO_2	$1,363	$763	$163	($437)	($1,037)
Sierra Club Glades		$1,682			
MIT Mid CO_2	$2,114	$1,514	$914	$314	($286)
		$2,434			
MIT High CO_2	$2,842	$2,242	$1,642	$1,042	$442
		$3,162			

Notes:

Preliminary - Based on Partial/Static Analysis

Preliminary - Fuel Scenarios Do Not Change Emissions Costs

Preliminary - Includes Tax Credits ($233 M) and Transmission ($143 M)

Preliminary - Includes Nov GFF Nuclear Fuel Increase CPVRR Delta ($ 198M)

Draft - For Review Only

This preliminary analysis is directional only and has not been reviewed by the required internal contributors and management team. Additional analysis will be required to support further inquiry. >> MDR 092807

Full Ownership Versus All Gas CPVRR $Million

CapEx Sensitivities

Low Fuel Reference Case	LNP CapEx (10%)	Low Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($3,868)	($4,760)	($5,652)	($6,544)	($7,436)
Bingaman Specter Low CO_2	($1,205)	($2,097)	($2,989)	($3,881)	($4,773)
EPA No CCS	($6)	($898)	($1,790)	($2,682)	($3,574)
MIT Mid CO_2	$2,861	$1,969	$1,077	$185	($707)

Mid Fuel Reference Case	LNP CapEx (10%)	Mid Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($336)	($1,228)	($2,121)	($3,013)	($3,905)
Bingaman Specter Low CO_2	$2,209	$1,317	$425	($467)	($1,360)
EPA No CCS	$3,356	$2,464	$1,572	$679	($213)
MIT Mid CO_2	$6,297	$5,404	$4,512	$3,620	$2,728

High Fuel Reference Case	LNP CapEx (10%)	High Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	$5,169	$4,277	$3,385	$2,493	$1,601
Bingaman Specter Low CO_2	$7,748	$6,856	$5,963	$5,071	$4,179
EPA No CCS	$8,855	$7,963	$7,071	$6,179	$5,287
MIT Mid CO_2	$11,619	$10,727	$9,835	$8,943	$8,051

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80% Joint Ownership Versus All Gas CPVRR $Mil

CapEx Sensitivities

Low Fuel Reference Case	LNP CapEx (10%)	Low Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($3,418)	($4,173)	($4,928)	($5,683)	($6,438)
Bingaman Specter Low CO_2	($1,276)	($2,031)	($2,787)	($3,542)	($4,297)
EPA No CCS	($318)	($1,073)	($1,828)	($2,583)	($3,338)
MIT Mid CO_2	$1,963	$1,208	$452	($303)	($1,058)

Mid Fuel Reference Case	LNP CapEx (10%)	Mid Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($568)	($1,323)	($2,078)	($2,833)	($3,589)
Bingaman Specter Low CO_2	$1,468	$713	($42)	($797)	($1,552)
EPA No CCS	$2,386	$1,631	$876	$121	($634)
MIT Mid CO_2	$4,754	$3,999	$3,243	$2,488	$1,733

High Fuel Reference Case	LNP CapEx (10%)	High Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	$3,873	$3,118	$2,363	$1,608	$852
Bingaman Specter Low CO_2	$5,931	$5,176	$4,421	$3,666	$2,911
EPA No CCS	$6,810	$6,055	$5,300	$4,545	$3,789
MIT Mid CO_2	$9,017	$8,261	$7,506	$6,751	$5,996

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Nuclear 80% Joint Ownership Case - CapEx Sensitivities

Full Ownership Versus All Gas CPVRR $Mil

	LNP CapEx (10%)	Base Fuel (CO_2 Impact)	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	$666	$14	($639)	($1,291)	($1,944)
CapEx Impact ?	($653)		$653	$1,305	$1,958
Bingaman Specter Low CO_2	$2,893	$2,241	$1,588	$936	$283
		$2,227			
EPA No CCS	$3,889	$3,236	$2,584	$1,931	$1,279
		$3,223			
MIT Mid CO_2	$6,438	$5,786	$5,134	$4,481	$3,828
		$5,772			

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80% Joint Ownership Versus All Gas CPVRR $Mil

CapEx Sensitivities

Low Fuel Reference Case	LNP CapEx (10%)	Low Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($3,832)	($4,615)	($5,398)	($6,182)	($6,965)
Bingaman Specter Low CO_2	($1,727)	($2,511)	($3,294)	($4,077)	($4,860)
EPA No CCS	($787)	($1,571)	($2,354)	($3,137)	($3,921)
MIT Mid CO_2	$1,442	$659	($124)	($907)	($1,691)

Mid Fuel Reference Case	LNP CapEx (10%)	Mid Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($1,010)	($1,794)	($2,577)	($3,360)	($4,144)
Bingaman Specter Low CO_2	$1,007	$224	($559)	($1,342)	($2,126)
EPA No CCS	$1,937	$1,154	$371	($412)	($1,196)
MIT Mid CO_2	$4,270	$3,487	$2,704	$1,920	$1,137

High Fuel Reference Case	LNP CapEx (10%)	High Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	$3,409	$2,626	$1,843	$1,059	$276
Bingaman Specter Low CO_2	$5,453	$4,670	$3,887	$3,103	$2,320
EPA No CCS	$6,330	$5,547	$4,763	$3,980	$3,197
MIT Mid CO_2	$8,510	$7,726	$6,943	$6,160	$5,377

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Full Ownership Versus All Gas CPVRR $Million

CapEx Sensitivities

Low Fuel Reference Case	LNP CapEx (10%)	**Low Fuel Reference**	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($4,066)	($4,719)	($5,373)	($6,026)	($6,680)
Bingaman Specter Low CO_2	($2,982)	($3,636)	($4,289)	($4,943)	($5,596)
EPA No CCS	($2,504)	($3,158)	($3,811)	($4,465)	($5,118)
MIT Mid CO_2	($1,340)	($1,993)	($2,647)	($3,300)	($3,954)

Mid Fuel Reference Case	LNP CapEx (10%)	**Mid Fuel Reference**	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($2,305)	($2,959)	($3,612)	($4,265)	($4,919)
Bingaman Specter Low CO_2	($1,195)	($1,849)	($2,502)	($3,156)	($3,809)
EPA No CCS	($722)	($1,375)	($2,029)	($2,682)	($3,336)
MIT Mid CO_2	$472	($181)	($835)	($1,488)	($2,142)

High Fuel Reference Case	LNP CapEx (10%)	**High Fuel Reference**	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	$483	($171)	($824)	($1,478)	($2,131)
Bingaman Specter Low CO_2	$1,661	$1,007	$354	($300)	($953)
EPA No CCS	$2,159	$1,506	$852	$199	($455)
MIT Mid CO_2	$3,353	$2,699	$2,046	$1,392	$739

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Full Ownership Versus All Gas CPVRR $Million

CapEx Sensitivities

Low Fuel Reference Case	LNP CapEx (10%)	Low Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($3,868)	($4,760)	($5,652)	($6,544)	($7,436)
Bingaman Specter Low CO_2	($1,205)	($2,097)	($2,989)	($3,881)	($4,773)
EPA No CCS	($6)	($898)	($1,790)	($2,682)	($3,574)
MIT Mid CO_2	$2,861	$1,969	$1,077	$185	($707)

Mid Fuel Reference Case	LNP CapEx (10%)	Mid Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($336)	($1,228)	($2,121)	($3,013)	($3,905)
Bingaman Specter Low CO_2	$2,209	$1,317	$425	($467)	($1,360)
EPA No CCS	$3,356	$2,464	$1,572	$679	($213)
MIT Mid CO_2	$6,297	$5,404	$4,512	$3,620	$2,728

High Fuel Reference Case	LNP CapEx (10%)	High Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	$5,169	$4,277	$3,385	$2,493	$1,601
Bingaman Specter Low CO_2	$7,748	$6,856	$5,963	$5,071	$4,179
EPA No CCS	$8,855	$7,963	$7,071	$6,179	$5,287
MIT Mid CO_2	$11,619	$10,727	$9,835	$8,943	$8,051

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80% Joint Ownership Versus All Gas CPVRR $Mil

CapEx Sensitivities

Low Fuel Reference Case	LNP CapEx (10%)	**Low Fuel Reference**	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($3,418)	($4,173)	($4,928)	($5,683)	($6,438)
Bingaman Specter Low CO_2	($1,276)	($2,031)	($2,787)	($3,542)	($4,297)
EPA No CCS	($318)	($1,073)	($1,828)	($2,583)	($3,338)
MIT Mid CO_2	$1,963	$1,208	$452	($303)	($1,058)

Mid Fuel Reference Case	LNP CapEx (10%)	**Mid Fuel Reference**	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($568)	($1,323)	($2,078)	($2,833)	($3,589)
Bingaman Specter Low CO_2	$1,468	$713	($42)	($797)	($1,552)
EPA No CCS	$2,386	$1,631	$876	$121	($634)
MIT Mid CO_2	$4,754	$3,999	$3,243	$2,488	$1,733

High Fuel Reference Case	LNP CapEx (10%)	**High Fuel Reference**	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	$3,873	$3,118	$2,363	$1,608	$852
Bingaman Specter Low CO_2	$5,931	$5,176	$4,421	$3,666	$2,911
EPA No CCS	$6,810	$6,055	$5,300	$4,545	$3,789
MIT Mid CO_2	$9,017	$8,261	$7,506	$6,751	$5,996

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Full Ownership Versus All Gas CPVRR $Million

CapEx Sensitivities

Low Fuel Reference Case	LNP CapEx (10%)	Low Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($4,074)	($4,974)	($5,875)	($6,776)	($7,677)
Bingaman Specter Low CO_2	($1,424)	($2,325)	($3,226)	($4,126)	($5,027)
EPA No CCS	($228)	($1,129)	($2,030)	($2,931)	($3,831)
MIT Mid CO_2	$2,630	$1,729	$828	($73)	($974)

Mid Fuel Reference Case	LNP CapEx (10%)	Mid Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($565)	($1,465)	($2,366)	($3,267)	($4,168)
Bingaman Specter Low CO_2	$1,964	$1,064	$163	($738)	($1,639)
EPA No CCS	$3,126	$2,225	$1,325	$424	($477)
MIT Mid CO_2	$6,062	$5,161	$4,260	$3,360	$2,459

High Fuel Reference Case	LNP CapEx (10%)	High Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	$4,926	$4,025	$3,124	$2,223	$1,322
Bingaman Specter Low CO_2	$7,496	$6,595	$5,695	$4,794	$3,893
EPA No CCS	$8,603	$7,702	$6,802	$5,901	$5,000
MIT Mid CO_2	$11,351	$10,450	$9,549	$8,649	$7,748

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80% Joint Ownership Versus All Gas CPVRR $Mil

CapEx Sensitivities

Low Fuel Reference Case	LNP CapEx (10%)	Low Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($3,645)	($4,407)	($5,169)	($5,932)	($6,694)
Bingaman Specter Low CO_2	($1,540)	($2,302)	($3,065)	($3,827)	($4,590)
EPA No CCS	($600)	($1,363)	($2,125)	($2,888)	($3,650)
MIT Mid CO_2	$1,630	$867	$105	($658)	($1,420)

Mid Fuel Reference Case	LNP CapEx (10%)	Mid Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	($823)	($1,586)	($2,348)	($3,111)	($3,873)
Bingaman Specter Low CO_2	$1,195	$432	($330)	($1,093)	($1,855)
EPA No CCS	$2,125	$1,362	$600	($163)	($925)
MIT Mid CO_2	$4,458	$3,695	$2,933	$2,170	$1,408

High Fuel Reference Case	LNP CapEx (10%)	High Fuel Reference	LNP CapEx 10%	LNP CapEx 20%	LNP CapEx 30%
No CO_2	$3,596	$2,834	$2,071	$1,309	$547
Bingaman Specter Low CO_2	$5,641	$4,878	$4,116	$3,353	$2,591
EPA No CCS	$6,517	$5,755	$4,992	$4,230	$3,467
MIT Mid CO_2	$8,697	$7,935	$7,172	$6,410	$5,647

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Full Ownership Versus All Gas CPVRR $Million

CapEx Sensitivities

Low Fuel Reference Case	LNP CapEx (5%)	Low Fuel Reference	LNP CapEx +5%	LNP CapEx +15%	LNP CapEx +25%
No CO_2	($5,893)	($6,416)	($6,927)	($7,962)	($8,996)
Bingaman Specter Low CO_2	($3,383)	($3,834)	($4,417)	($5,452)	($6,486)
EPA No CCS	($2,270)	($2,684)	($3,304)	($4,339)	($5,374)
MIT Mid CO_2	$499	$85	($535)	($1,570)	($2,604)
Lieberman Warner CO_2	$3,224	$2,930	$2,189	$1,154	$120

Mid Fuel Reference Case	LNP CapEx (5%)	Mid Fuel Reference	LNP CapEx +5%	LNP CapEx +15%	LNP CapEx +25%
No CO_2	($2,365)	($2,888)	($3,400)	($4,434)	($5,469)
Bingaman Specter Low CO_2	$109	($343)	($926)	($1,960)	($2,995)
EPA No CCS	$1,207	$793	$172	($862)	($1,897)
MIT Mid CO_2	$3,975	$3,614	$2,940	$1,906	$871
Lieberman Warner CO_2	$6,674	$6,380	$5,640	$4,605	$3,571

High Fuel Reference Case	LNP CapEx (5%)	High Fuel Reference	LNP CapEx +5%	LNP CapEx +15%	LNP CapEx +25%
No CO_2	$3,159	$2,635	$2,124	$1,090	$55
Bingaman Specter Low CO_2	$5,664	$5,212	$4,629	$3,595	$2,560
EPA No CCS	$6,732	$6,318	$5,697	$4,663	$3,628
MIT Mid CO_2	$9,438	$9,077	$8,403	$7,369	$6,334
Lieberman Warner CO_2	$12,185	$11,892	$11,151	$10,116	$9,082

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80% Joint Ownership Versus All Gas CPVRR $Mil

CapEx Sensitivities

Low Fuel Reference Case	LNP CapEx (5%)	Low Fuel Reference	LNP CapEx 5%	LNP CapEx 15%	LNP CapEx 25%
No CO_2	($5,125)	($5,566)	($5,994)	($6,864)	($7,733)
Bingaman Specter Low CO_2	($3,161)	($3,530)	($4,030)	($4,900)	($5,769)
EPA No CCS	($2,287)	($2,619)	($3,157)	($4,026)	($4,895)
MIT Mid CO_2	($170)	($448)	($1,039)	($1,908)	($2,778)
Lieberman Warner CO_2	$2,010	$1,799	$1,141	$271	($598)

Mid Fuel Reference Case	LNP CapEx (5%)	Mid Fuel Reference	LNP CapEx 5%	LNP CapEx 15%	LNP CapEx 25%
No CO_2	($2,284)	($2,725)	($3,154)	($4,023)	($4,892)
Bingaman Specter Low CO_2	($364)	($733)	($1,234)	($2,103)	($2,972)
EPA No CCS	$502	$171	($367)	($1,236)	($2,106)
MIT Mid CO_2	$2,681	$2,403	$1,812	$942	$73
Lieberman Warner CO_2	$4,805	$4,594	$3,936	$3,067	$2,197

High Fuel Reference Case	LNP CapEx (5%)	High Fuel Reference	LNP CapEx 5%	LNP CapEx 15%	LNP CapEx 25%
No CO_2	$2,173	$1,732	$1,304	$434	($435)
Bingaman Specter Low CO_2	$4,125	$3,756	$3,255	$2,386	$1,517
EPA No CCS	$4,963	$4,631	$4,093	$3,224	$2,354
MIT Mid CO_2	$7,068	$6,790	$6,199	$5,329	$4,460
Lieberman Warner CO_2	$9,229	$9,018	$8,360	$7,491	$6,621

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080148

Attachment for White Springs 1st POD Request Question 4
Docket No. 080148

CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Baseline		2007	2008	2009	2010	2011	2012	2013	2014	2015
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,978,298	28,013,272	30,968,174
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,978,298	28,013,272	31,138,052
	Mid Reference Fuel Cost with No CO2	-	-	-	-	-	-	-	-	(169,878)
		2007	2008	2009	2010	2011	2012	2013	2014	2015
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	22,037,068	25,469,904	28,745,608	31,948,946
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	22,037,068	25,469,904	28,745,608	32,118,824
	Mid Reference Fuel Cost with Bingaman Specter CO2	-	-	-	-	-	-	-	-	(169,878)
		2007	2008	2009	2010	2011	2012	2013	2014	2015
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,978,298	28,013,272	31,327,588
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,978,298	28,013,272	31,497,466
	Mid Reference Fuel Cost with EPA No CCS CO2	-	-	-	-	-	-	-	-	(169,878)
		2007	2008	2009	2010	2011	2012	2013	2014	2015
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	19,365,484	23,319,500	27,264,770	31,032,904	34,745,576
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	19,365,484	23,319,500	27,264,770	31,032,904	34,915,452
	Mid Reference Fuel Cost with MIT Mid CO2	-	-	-	-	-	-	-	-	(169,876)
		2007	2008	2009	2010	2011	2012	2013	2014	2015
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,978,298	28,013,272	31,928,328
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,978,298	28,013,272	32,098,206
	Mid Reference Fuel Cost with Lieberman Warner CO2	-	-	-	-	-	-	-	-	(169,878)
CapEx -5% Case		2007	2008	2009	2010	2011	2012	2013	2014	2015
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,973,910	28,002,160	30,951,076
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,973,910	28,002,160	31,112,460
	Mid Reference Fuel Cost with No CO2	-	-	-	-	-	-	-	-	(161,384)
		2007	2008	2009	2010	2011	2012	2013	2014	2015
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	22,037,068	25,465,516	28,734,496	31,931,848
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	22,037,068	25,465,516	28,734,496	32,093,232
	Mid Reference Fuel Cost with Bingaman Specter CO2	-	-	-	-	-	-	-	-	(161,384)
		2007	2008	2009	2010	2011	2012	2013	2014	2015
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,973,910	28,002,160	31,310,490
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,973,910	28,002,160	31,471,874
	Mid Reference Fuel Cost with EPA No CCS CO2	-	-	-	-	-	-	-	-	(161,384)
		2007	2008	2009	2010	2011	2012	2013	2014	2015
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	19,365,484	23,319,500	27,260,382	31,021,792	34,728,476
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	19,365,484	23,319,500	27,260,382	31,021,792	34,889,860
	Mid Reference Fuel Cost with MIT Mid CO2	-	-	-	-	-	-	-	-	(161,384)
		2007	2008	2009	2010	2011	2012	2013	2014	2015
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,973,910	28,002,160	31,911,230
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,973,910	28,002,160	32,072,614
	Mid Reference Fuel Cost with Lieberman Warner CO2	-	-	-	-	-	-	-	-	(161,384)

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CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +5% Case		2007	2008	2009	2010	2011	2012	2013	2014	2015
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,982,686	28,024,384	30,985,272
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,982,686	28,024,384	31,163,644
	Mid Reference Fuel Cost with No CO2	-	-	-	-	-	-	-	-	(178,372)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	22,037,068	25,474,292	28,756,722	31,966,046
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	22,037,068	25,474,292	28,756,722	32,144,418
	Mid Reference Fuel Cost with Bingaman Specter CO2	-	-	-	-	-	-	-	-	(178,372)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,982,686	28,024,384	31,344,688
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,982,686	28,024,384	31,523,058
	Mid Reference Fuel Cost with EPA No CCS CO2	-	-	-	-	-	-	-	-	(178,370)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	19,365,484	23,319,500	27,269,156	31,044,014	34,762,672
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	19,365,484	23,319,500	27,269,156	31,044,014	34,941,044
	Mid Reference Fuel Cost with MIT Mid CO2	-	-	-	-	-	-	-	-	(178,372)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,982,686	28,024,384	31,945,428
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,982,686	28,024,384	32,123,798
	Mid Reference Fuel Cost with Lieberman Warner CO2	-	-	-	-	-	-	-	-	(178,370)
CapEx +15%Case		**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,991,460	28,046,608	31,019,468
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,991,460	28,046,608	31,214,828
	Mid Reference Fuel Cost with No CO2	-	-	-	-	-	-	-	-	(195,360)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	22,037,068	25,483,068	28,778,948	32,000,244
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	22,037,068	25,483,068	28,778,948	32,195,604
	Mid Reference Fuel Cost with Bingaman Specter CO2	-	-	-	-	-	-	-	-	(195,360)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,991,460	28,046,608	31,378,884
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,991,460	28,046,608	31,574,242
	Mid Reference Fuel Cost with EPA No CCS CO2	-	-	-	-	-	-	-	-	(195,358)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	19,365,484	23,319,500	27,277,932	31,066,240	34,796,868
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	19,365,484	23,319,500	27,277,932	31,066,240	34,992,228
	Mid Reference Fuel Cost with MIT Mid CO2	-	-	-	-	-	-	-	-	(195,360)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,991,460	28,046,608	31,979,624
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,991,460	28,046,608	32,174,984
	Mid Reference Fuel Cost with Lieberman Warner CO2	-	-	-	-	-	-	-	-	(195,360)

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CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +25% Case		**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	25,000,236	28,068,834	31,053,668
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	25,000,236	28,068,834	31,266,014
	Mid Reference Fuel Cost with No CO2	-	-	-	-	-	-	-	-	(212,346)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	22,037,068	25,491,842	28,801,172	32,034,442
All Gas	*ACCUMULATED PRESENT VALUE UTILITY COST*	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	22,037,068	25,491,842	28,801,172	32,246,788
	Mid Reference Fuel Cost with Bingaman Specter CO2	-	-	-	-	-	-	-	-	(212,346)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	25,000,236	28,068,834	31,413,082
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	25,000,236	28,068,834	31,625,430
	Mid Reference Fuel Cost with EPA No CCS CO2	-	-	-	-	-	-	-	-	(212,348)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	19,365,484	23,319,500	27,286,708	31,088,466	34,831,068
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	19,365,484	23,319,500	27,286,708	31,088,466	35,043,416
	Mid Reference Fuel Cost with MIT Mid CO2	-	-	-	-	-	-	-	-	(212,348)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	25,000,236	28,068,834	32,013,822
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	25,000,236	28,068,834	32,226,170
	Mid Reference Fuel Cost with Lieberman Warner CO2	-	-	-	-	-	-	-	-	(212,348)

CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Baseline		**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	33,893,536	36,801,036	39,571,004	42,254,344	44,887,096	47,425,624	49,838,160	52,219,876	54,462,828
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	34,538,268	38,147,504	41,617,872	44,888,000	47,951,392	50,846,132	53,560,468	56,134,508	58,558,772
	Mid Reference Fuel Cost with No CO2	(644,732)	(1,346,468)	(2,046,868)	(2,633,656)	(3,064,296)	(3,420,508)	(3,722,308)	(3,914,632)	(4,095,944)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	35,120,804	38,275,432	41,295,544	44,237,636	47,127,136	49,928,564	52,603,944	55,250,120	57,758,896
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	35,746,772	39,548,256	43,197,928	46,655,572	49,908,132	52,999,752	55,910,600	58,686,544	61,314,940
	Mid Reference Fuel Cost with Bingaman Specter CO2	(625,968)	(1,272,824)	(1,902,384)	(2,417,936)	(2,780,996)	(3,071,188)	(3,306,656)	(3,436,424)	(3,556,044)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	34,616,484	37,892,896	41,039,432	44,112,960	47,131,164	50,065,884	52,873,516	55,650,800	58,287,700
All Gas	*ACCUMULATED PRESENT VALUE UTILITY COST*	35,232,744	39,126,960	42,865,004	46,416,292	49,761,948	52,951,868	55,959,904	58,834,216	61,559,472
	Mid Reference Fuel Cost with EPA No CCS CO2	(616,260)	(1,234,064)	(1,825,572)	(2,303,332)	(2,630,784)	(2,885,984)	(3,086,388)	(3,183,416)	(3,271,772)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	38,417,232	42,068,504	45,584,676	49,038,328	52,419,864	55,727,980	58,898,536	62,033,704	65,027,992
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	39,002,132	43,174,400	47,162,412	50,972,084	54,571,812	58,023,224	61,284,148	64,416,464	67,403,080
	Mid Reference Fuel Cost with MIT Mid CO2	(584,900)	(1,105,896)	(1,577,736)	(1,933,756)	(2,151,948)	(2,295,244)	(2,385,612)	(2,382,760)	(2,375,088)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	35,792,660	39,630,568	43,329,404	46,976,016	50,532,444	54,033,716	57,399,240	60,728,704	63,919,148
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	36,360,696	40,662,584	44,764,860	48,694,936	52,410,916	55,996,352	59,393,072	62,669,128	65,802,616
	Mid Reference Fuel Cost with Lieberman Warner CO2	(568,036)	(1,032,016)	(1,435,456)	(1,718,920)	(1,878,472)	(1,962,636)	(1,993,832)	(1,940,424)	(1,883,468)
CapEx -5% Case		**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	33,866,012	36,760,184	39,518,280	42,191,060	44,810,912	47,337,952	49,740,276	52,109,908	54,342,116
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	34,471,924	38,016,640	41,420,676	44,631,636	47,642,200	50,489,740	53,161,888	55,698,236	58,087,824
	Mid Reference Fuel Cost with No CO2	(605,912)	(1,256,456)	(1,902,396)	(2,440,576)	(2,831,288)	(3,151,788)	(3,421,612)	(3,588,328)	(3,745,708)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	35,093,280	38,234,580	41,242,820	44,174,352	47,050,952	49,840,892	52,506,060	55,140,152	57,638,184
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	35,680,428	39,417,396	43,000,732	46,399,208	49,598,940	52,643,360	55,512,020	58,250,276	60,843,996
	Mid Reference Fuel Cost with Bingaman Specter CO2	(587,148)	(1,182,816)	(1,757,912)	(2,224,856)	(2,547,988)	(2,802,468)	(3,005,960)	(3,110,124)	(3,205,812)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	34,588,960	37,852,044	40,986,708	44,049,676	47,054,980	49,978,212	52,775,636	55,540,832	58,166,988
All Gas	*ACCUMULATED PRESENT VALUE UTILITY COST*	35,166,400	38,996,096	42,667,804	46,159,920	49,452,748	52,595,464	55,561,312	58,397,936	61,088,520
	Mid Reference Fuel Cost with EPA No CCS CO2	(577,440)	(1,144,052)	(1,681,096)	(2,110,244)	(2,397,768)	(2,617,252)	(2,785,676)	(2,857,104)	(2,921,532)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	38,389,708	42,027,652	45,531,948	48,975,040	52,343,676	55,640,304	58,800,648	61,923,732	64,907,276
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	38,935,788	43,043,536	46,965,212	50,715,712	54,262,612	57,666,820	60,885,556	63,980,180	66,932,120
	Mid Reference Fuel Cost with MIT Mid CO2	(546,080)	(1,015,884)	(1,433,264)	(1,740,672)	(1,918,936)	(2,026,516)	(2,084,908)	(2,056,448)	(2,024,844)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	35,765,136	39,589,716	43,276,680	46,912,732	50,456,260	53,946,044	57,301,356	60,618,736	63,798,436
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	36,294,348	40,531,716	44,567,656	48,438,564	52,101,716	55,639,948	58,994,480	62,232,848	65,331,664
	Mid Reference Fuel Cost with Lieberman Warner CO2	(529,212)	(942,000)	(1,290,976)	(1,525,832)	(1,645,456)	(1,693,904)	(1,693,124)	(1,614,112)	(1,533,228)

CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +5% Case		**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	33,921,060	36,841,884	39,623,724	42,317,624	44,963,276	47,513,292	49,936,036	52,329,836	54,583,532
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	34,604,616	38,278,368	41,815,072	45,144,372	48,260,592	51,202,536	53,959,060	56,570,788	59,029,728
	Mid Reference Fuel Cost with No CO2	(683,556)	(1,436,484)	(2,191,348)	(2,826,748)	(3,297,316)	(3,689,244)	(4,023,024)	(4,240,952)	(4,446,196)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	35,148,332	38,316,288	41,348,272	44,300,924	47,203,328	50,016,244	52,701,832	55,360,092	57,879,612
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	35,813,120	39,679,124	43,395,132	46,911,948	50,217,336	53,356,156	56,309,192	59,122,828	61,785,900
	Mid Reference Fuel Cost with Bingaman Specter CO2	(664,788)	(1,362,836)	(2,046,860)	(2,611,024)	(3,014,008)	(3,339,912)	(3,607,360)	(3,762,736)	(3,906,288)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	34,644,012	37,933,752	41,092,160	44,176,248	47,207,352	50,153,560	52,971,404	55,760,772	58,408,416
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	35,299,088	39,257,820	43,062,200	46,672,656	50,071,140	53,308,260	56,358,484	59,270,484	62,030,416
	Mid Reference Fuel Cost with EPA No CCS CO2	(655,076)	(1,324,068)	(1,970,040)	(2,496,408)	(2,863,788)	(3,154,700)	(3,387,080)	(3,509,712)	(3,622,000)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	38,444,756	42,109,352	45,637,396	49,101,608	52,496,048	55,815,656	58,996,420	62,143,672	65,148,704
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	39,068,476	43,305,260	47,359,608	51,228,448	54,881,000	58,379,612	61,682,724	64,852,728	67,874,016
	Mid Reference Fuel Cost with MIT Mid CO2	(623,720)	(1,195,908)	(1,722,212)	(2,126,840)	(2,384,952)	(2,563,956)	(2,696,304)	(2,709,056)	(2,725,312)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	35,820,188	39,671,424	43,382,132	47,039,304	50,608,632	54,121,392	57,497,124	60,838,672	64,039,864
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	36,427,040	40,793,444	44,962,052	48,951,296	52,720,104	56,352,740	59,791,648	63,105,392	66,273,556
	Mid Reference Fuel Cost with Lieberman Warner CO2	(606,852)	(1,122,020)	(1,579,920)	(1,911,992)	(2,111,472)	(2,231,348)	(2,294,524)	(2,266,720)	(2,233,692)
CapEx +15%Case		**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	33,976,104	36,923,584	39,729,172	42,444,196	45,115,652	47,688,644	50,131,808	52,549,776	54,824,964
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	34,737,304	38,540,092	42,209,468	45,657,104	48,878,976	51,915,320	54,756,220	57,443,328	59,971,616
	Mid Reference Fuel Cost with No CO2	(761,200)	(1,616,508)	(2,480,296)	(3,212,908)	(3,763,324)	(4,226,676)	(4,624,412)	(4,893,552)	(5,146,652)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	35,203,380	38,397,988	41,453,720	44,427,492	47,355,696	50,191,588	52,897,596	55,580,024	58,121,036
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	35,945,812	39,940,652	43,789,528	47,424,680	50,835,724	54,068,948	57,106,360	59,995,376	62,727,796
	Mid Reference Fuel Cost with Bingaman Specter CO2	(742,432)	(1,542,664)	(2,335,808)	(2,997,188)	(3,480,028)	(3,877,360)	(4,208,764)	(4,415,352)	(4,606,760)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	34,699,060	38,015,452	41,197,608	44,302,816	47,359,724	50,328,908	53,167,172	55,980,708	58,649,844
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	35,431,780	39,519,548	43,456,596	47,185,392	50,689,528	54,021,052	57,155,652	60,143,032	62,972,312
	Mid Reference Fuel Cost with EPA No CCS CO2	(732,720)	(1,504,096)	(2,258,988)	(2,882,576)	(3,329,804)	(3,692,144)	(3,988,480)	(4,162,324)	(4,322,468)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	38,499,804	42,191,056	45,742,848	49,228,184	52,648,424	55,991,008	59,192,192	62,363,612	65,390,136
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	39,201,168	43,566,992	47,754,008	51,741,188	55,499,396	59,092,408	62,479,892	65,725,276	68,815,920
	Mid Reference Fuel Cost with MIT Mid CO2	(701,364)	(1,375,936)	(2,011,160)	(2,513,004)	(2,850,972)	(3,101,400)	(3,287,700)	(3,361,664)	(3,425,784)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	35,875,236	39,753,124	43,487,580	47,165,872	50,761,004	54,296,740	57,692,896	61,058,612	64,281,292
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	36,559,732	41,055,172	45,356,452	49,464,036	53,338,500	57,065,540	60,588,824	63,977,948	67,215,464
	Mid Reference Fuel Cost with Lieberman Warner CO2	(684,496)	(1,302,048)	(1,868,872)	(2,298,164)	(2,577,496)	(2,768,800)	(2,895,928)	(2,919,336)	(2,934,172)

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Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +25% Case		**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	34,031,156	37,005,288	39,834,620	42,570,764	45,268,020	47,863,988	50,327,572	52,769,708	55,066,384
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	34,869,996	38,801,820	42,603,868	46,169,844	49,497,372	52,628,120	55,553,396	58,315,884	60,913,520
	Mid Reference Fuel Cost with No CO2	(838,840)	(1,796,532)	(2,769,248)	(3,599,080)	(4,229,352)	(4,764,132)	(5,225,824)	(5,546,176)	(5,847,136)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	35,258,432	38,479,696	41,559,176	44,554,068	47,508,072	50,366,940	53,093,368	55,799,964	58,362,464
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	36,078,504	40,202,580	44,183,928	47,937,420	51,454,116	54,781,744	57,903,532	60,867,924	63,669,692
	Mid Reference Fuel Cost with Bingaman Specter CO2	(820,072)	(1,722,884)	(2,624,752)	(3,383,352)	(3,946,044)	(4,414,804)	(4,810,164)	(5,067,960)	(5,307,228)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	34,754,108	38,097,156	41,303,056	44,429,384	47,512,092	50,504,252	53,362,936	56,200,640	58,891,264
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	35,564,476	39,781,280	43,851,000	47,698,132	51,307,924	54,733,852	57,952,828	61,015,588	63,914,220
	Mid Reference Fuel Cost with EPA No CCS CO2	(810,368)	(1,684,124)	(2,547,944)	(3,268,748)	(3,795,832)	(4,229,600)	(4,589,892)	(4,814,948)	(5,022,956)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	38,554,856	42,272,760	45,848,296	49,354,752	52,800,792	56,166,352	59,387,960	62,583,548	65,631,560
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	39,333,864	43,828,724	48,148,412	52,253,928	56,117,792	59,805,208	63,277,068	66,597,828	69,757,816
	Mid Reference Fuel Cost with MIT Mid CO2	(779,008)	(1,555,964)	(2,300,116)	(2,899,176)	(3,317,000)	(3,638,856)	(3,889,108)	(4,014,280)	(4,126,256)
		2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	35,930,284	39,834,828	43,593,028	47,292,440	50,913,372	54,472,084	57,888,660	61,278,544	64,522,712
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	36,692,424	41,316,900	45,750,852	49,976,776	53,956,892	57,778,332	61,385,992	64,850,496	68,157,360
	Mid Reference Fuel Cost with Lieberman Warner CO2	(762,140)	(1,482,072)	(2,157,824)	(2,684,336)	(3,043,520)	(3,306,248)	(3,497,332)	(3,571,952)	(3,634,648)

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CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Baseline		**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	56,644,900	58,702,964	60,729,108	62,653,832	64,510,232	66,278,140	68,020,344	69,684,552	71,311,120
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	60,841,992	63,001,192	65,059,292	67,047,176	68,937,280	70,752,624	72,483,328	74,137,240	75,743,832
	Mid Reference Fuel Cost with No CO2	(4,197,092)	(4,298,228)	(4,330,184)	(4,393,344)	(4,427,048)	(4,474,484)	(4,462,984)	(4,452,688)	(4,432,712)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	60,211,476	62,537,760	64,836,604	67,037,160	69,173,728	71,222,616	73,251,680	75,207,888	77,127,800
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	63,809,124	66,179,088	68,454,376	70,660,848	72,775,960	74,814,384	76,776,464	78,667,584	80,513,960
	Mid Reference Fuel Cost with Bingaman Specter CO2	(3,597,648)	(3,641,328)	(3,617,772)	(3,623,688)	(3,602,232)	(3,591,768)	(3,524,784)	(3,459,696)	(3,386,160)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	60,865,356	63,321,932	65,755,884	68,094,448	70,371,000	72,558,768	74,733,056	76,838,928	78,906,712
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	64,149,968	66,620,596	69,002,392	71,316,488	73,542,304	75,688,008	77,763,856	79,774,848	81,741,752
	Mid Reference Fuel Cost with EPA No CCS CO2	(3,284,612)	(3,298,664)	(3,246,508)	(3,222,040)	(3,171,304)	(3,129,240)	(3,030,800)	(2,935,920)	(2,835,040)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	67,958,392	70,756,664	73,521,264	76,188,312	78,793,392	81,302,360	83,793,656	86,216,184	88,591,512
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	70,262,768	72,992,600	75,642,120	78,209,824	80,696,768	83,090,752	85,420,448	87,690,144	89,908,224
	Mid Reference Fuel Cost with MIT Mid CO2	(2,304,376)	(2,235,936)	(2,120,856)	(2,021,512)	(1,903,376)	(1,788,392)	(1,626,792)	(1,473,960)	(1,316,712)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	67,047,652	70,056,256	73,041,240	75,938,896	78,783,496	81,533,528	84,293,816	87,010,536	89,690,496
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	68,816,248	71,710,136	74,538,984	77,287,680	79,966,096	82,546,136	85,090,232	87,598,760	90,065,256
	Mid Reference Fuel Cost with Lieberman Warner CO2	(1,768,596)	(1,653,880)	(1,497,744)	(1,348,784)	(1,182,600)	(1,012,608)	(796,416)	(588,224)	(374,760)
CapEx -5% Case		**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	56,511,900	58,559,052	60,573,036	62,486,976	64,333,464	66,092,260	67,824,352	69,479,304	71,095,832
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	60,339,696	62,470,060	64,502,136	66,464,556	68,332,096	70,125,320	71,836,384	73,472,136	75,060,576
	Mid Reference Fuel Cost with No CO2	(3,827,796)	(3,911,008)	(3,929,100)	(3,977,580)	(3,998,632)	(4,033,060)	(4,012,032)	(3,992,832)	(3,964,744)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	60,078,476	62,393,848	64,680,536	66,870,312	68,996,968	71,036,736	73,055,688	75,002,640	76,912,512
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	63,306,832	65,647,960	67,897,224	70,078,232	72,170,776	74,187,080	76,129,520	78,002,488	79,830,712
	Mid Reference Fuel Cost with Bingaman Specter CO2	(3,228,356)	(3,254,112)	(3,216,688)	(3,207,920)	(3,173,808)	(3,150,344)	(3,073,832)	(2,999,848)	(2,918,200)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	60,732,352	63,178,012	65,599,808	67,927,592	70,194,232	72,372,888	74,537,064	76,633,680	78,691,424
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	63,647,672	66,089,464	68,445,232	70,733,864	72,937,112	75,060,696	77,116,912	79,109,744	81,058,496
	Mid Reference Fuel Cost with EPA No CCS CO2	(2,915,320)	(2,911,452)	(2,845,424)	(2,806,272)	(2,742,880)	(2,687,808)	(2,579,848)	(2,476,064)	(2,367,072)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	67,825,384	70,612,744	73,365,192	76,021,456	78,616,624	81,116,472	83,597,656	86,010,920	88,376,216
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	69,760,456	72,461,456	75,084,952	77,627,192	80,091,568	82,463,432	84,773,496	87,025,040	89,224,968
	Mid Reference Fuel Cost with MIT Mid CO2	(1,935,072)	(1,848,712)	(1,719,760)	(1,605,736)	(1,474,944)	(1,346,960)	(1,175,840)	(1,014,120)	(848,752)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	66,914,652	69,912,344	72,885,176	75,772,048	78,606,736	81,347,648	84,097,824	86,805,288	89,475,216
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	68,313,944	71,178,992	73,981,816	76,705,048	79,360,896	81,918,816	84,443,272	86,933,640	89,381,984
	Mid Reference Fuel Cost with Lieberman Warner CO2	(1,399,292)	(1,266,648)	(1,096,640)	(933,000)	(754,160)	(571,168)	(345,448)	(128,352)	93,232

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CapEx +5% Case		2025	2026	2027	2028	2029	2030	2031	2032	2033
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	56,777,896	58,846,876	60,885,176	62,820,680	64,686,992	66,464,016	68,216,336	69,889,808	71,526,416
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	61,344,296	63,532,332	65,616,456	67,629,808	69,542,480	71,379,944	73,130,280	74,802,344	76,427,088
	Mid Reference Fuel Cost with No CO2	(4,566,400)	(4,685,456)	(4,731,280)	(4,809,128)	(4,855,488)	(4,915,928)	(4,913,944)	(4,912,536)	(4,900,672)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	60,344,484	62,681,684	64,992,684	67,204,024	69,350,504	71,408,504	73,447,680	75,413,152	77,343,104
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	64,311,432	66,710,232	69,011,544	71,243,480	73,381,160	75,441,704	77,423,416	79,332,696	81,197,216
	Mid Reference Fuel Cost with Bingaman Specter CO2	(3,966,948)	(4,028,548)	(4,018,860)	(4,039,456)	(4,030,656)	(4,033,200)	(3,975,736)	(3,919,544)	(3,854,112)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	60,998,360	63,465,848	65,911,956	68,261,304	70,547,768	72,744,648	74,929,048	77,044,184	79,122,000
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	64,652,260	67,151,728	69,559,544	71,899,104	74,147,488	76,315,312	78,410,800	80,439,944	82,425,000
	Mid Reference Fuel Cost with EPA No CCS CO2	(3,653,900)	(3,685,880)	(3,647,588)	(3,637,800)	(3,599,720)	(3,570,664)	(3,481,752)	(3,395,760)	(3,303,000)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	68,091,392	70,900,576	73,677,336	76,355,168	78,970,160	81,488,240	83,989,648	86,421,432	88,806,800
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	70,765,048	73,523,720	76,199,264	78,792,432	81,301,936	83,718,040	86,067,368	88,355,224	90,591,456
	Mid Reference Fuel Cost with MIT Mid CO2	(2,673,656)	(2,623,144)	(2,521,928)	(2,437,264)	(2,331,776)	(2,229,800)	(2,077,720)	(1,933,792)	(1,784,656)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	67,180,656	70,200,176	73,197,320	76,105,760	78,960,272	81,719,416	84,489,816	87,215,800	89,905,800
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	69,318,536	72,241,264	75,096,136	77,870,304	80,571,280	83,173,440	85,737,168	88,263,848	90,748,488
	Mid Reference Fuel Cost with Lieberman Warner CO2	(2,137,880)	(2,041,088)	(1,898,816)	(1,764,544)	(1,611,008)	(1,454,024)	(1,247,352)	(1,048,048)	(842,688)
CapEx +15%Case		**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	57,043,904	59,134,712	61,197,324	63,154,396	65,040,528	66,835,780	68,608,320	70,300,312	71,956,992
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	62,348,880	64,594,592	66,730,764	68,795,040	70,752,848	72,634,552	74,424,152	76,132,528	77,793,576
	Mid Reference Fuel Cost with No CO2	(5,304,976)	(5,459,880)	(5,533,440)	(5,640,644)	(5,712,320)	(5,798,772)	(5,815,832)	(5,832,216)	(5,836,584)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	60,610,488	62,969,512	65,304,828	67,537,736	69,704,040	71,780,264	73,839,664	75,823,656	77,773,680
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	65,316,024	67,772,496	70,125,856	72,408,720	74,591,528	76,696,312	78,717,288	80,662,880	82,563,704
	Mid Reference Fuel Cost with Bingaman Specter CO2	(4,705,536)	(4,802,984)	(4,821,028)	(4,870,984)	(4,887,488)	(4,916,048)	(4,877,624)	(4,839,224)	(4,790,024)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	61,264,368	63,753,684	66,224,108	68,595,024	70,901,312	73,116,424	75,321,048	77,454,704	79,552,600
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	65,656,852	68,213,992	70,673,856	73,064,352	75,357,864	77,569,928	79,704,680	81,770,136	83,791,488
	Mid Reference Fuel Cost with EPA No CCS CO2	(4,392,484)	(4,460,308)	(4,449,748)	(4,469,328)	(4,456,552)	(4,453,504)	(4,383,632)	(4,315,432)	(4,238,888)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	68,357,400	71,188,416	73,989,488	76,688,888	79,323,696	81,860,000	84,381,632	86,831,944	89,237,392
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	71,769,648	74,585,992	77,313,584	79,957,688	82,512,328	84,972,672	87,361,264	89,685,424	91,957,960
	Mid Reference Fuel Cost with MIT Mid CO2	(3,412,248)	(3,397,576)	(3,324,096)	(3,268,800)	(3,188,632)	(3,112,672)	(2,979,632)	(2,853,480)	(2,720,568)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	67,446,664	70,488,008	73,509,464	76,439,464	79,313,792	82,091,160	84,881,784	87,626,288	90,336,360
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	70,323,136	73,303,536	76,210,456	79,035,552	81,781,664	84,428,064	87,031,056	89,594,048	92,114,992
	Mid Reference Fuel Cost with Lieberman Warner CO2	(2,876,472)	(2,815,528)	(2,700,992)	(2,596,088)	(2,467,872)	(2,336,904)	(2,149,272)	(1,967,760)	(1,778,632)

Attachment for White Springs 1st POD Request Question 4
Docket No. 080148

CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +25% Case		**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	57,309,904	59,422,540	61,509,468	63,488,104	65,394,060	67,207,544	69,000,312	70,710,824	72,387,584
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	63,353,480	65,656,864	67,845,080	69,960,288	71,963,232	73,889,176	75,718,048	77,462,736	79,160,080
	Mid Reference Fuel Cost with No CO2	(6,043,576)	(6,234,324)	(6,335,612)	(6,472,184)	(6,569,172)	(6,681,632)	(6,717,736)	(6,751,912)	(6,772,496)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	60,876,492	63,257,344	65,616,972	67,871,440	70,057,568	72,152,024	74,231,648	76,234,160	78,204,264
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	66,320,616	68,834,760	71,240,168	73,573,968	75,801,912	77,950,936	80,011,184	81,993,080	83,930,208
	Mid Reference Fuel Cost with Bingaman Specter CO2	(5,444,124)	(5,577,416)	(5,623,196)	(5,702,528)	(5,744,344)	(5,798,912)	(5,779,536)	(5,758,920)	(5,725,944)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	61,530,368	64,041,512	66,536,248	68,928,728	71,254,840	73,488,176	75,713,024	77,865,200	79,983,168
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	66,661,456	69,276,264	71,788,176	74,229,600	76,568,248	78,824,552	80,998,568	83,100,336	85,157,992
	Mid Reference Fuel Cost with EPA No CCS CO2	(5,131,088)	(5,234,752)	(5,251,928)	(5,300,872)	(5,313,408)	(5,336,376)	(5,285,544)	(5,235,136)	(5,174,824)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	68,623,408	71,476,248	74,301,640	77,022,600	79,677,232	82,231,768	84,773,624	87,242,456	89,667,976
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	72,774,240	75,648,256	78,427,888	81,122,920	83,722,696	86,227,280	88,655,144	91,015,616	93,324,448
	Mid Reference Fuel Cost with MIT Mid CO2	(4,150,832)	(4,172,008)	(4,126,248)	(4,100,320)	(4,045,464)	(3,995,512)	(3,881,520)	(3,773,160)	(3,656,472)
		2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	67,712,664	70,775,832	73,821,600	76,773,168	79,667,320	82,462,920	85,273,768	88,036,792	90,766,944
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	71,327,728	74,365,800	77,324,768	80,200,792	82,992,040	85,682,680	88,324,944	90,924,240	93,481,488
	Mid Reference Fuel Cost with Lieberman Warner CO2	(3,615,064)	(3,589,968)	(3,503,168)	(3,427,624)	(3,324,720)	(3,219,760)	(3,051,176)	(2,887,448)	(2,714,544)

Attachment for White Springs 1st POD Request Question 4
Docket No. 080148

CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Baseline		**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	72,853,088	74,373,536	75,850,432	77,346,272	78,747,816	80,060,728	81,288,048	82,441,744	83,521,392
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	77,299,848	78,795,248	80,244,056	81,706,504	83,071,544	84,344,528	85,535,480	86,651,792	87,697,888
	Mid Reference Fuel Cost with No CO2	(4,446,760)	(4,421,712)	(4,393,624)	(4,360,232)	(4,323,728)	(4,283,800)	(4,247,432)	(4,210,048)	(4,176,496)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	78,966,240	80,786,960	82,565,184	84,384,544	86,106,992	87,737,560	89,279,864	90,744,296	92,132,056
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	82,310,608	84,054,672	85,754,656	87,492,400	89,130,448	90,674,328	92,133,568	93,515,040	94,823,464
	Mid Reference Fuel Cost with Bingaman Specter CO2	(3,344,368)	(3,267,712)	(3,189,472)	(3,107,856)	(3,023,456)	(2,936,768)	(2,853,704)	(2,770,744)	(2,691,408)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	80,891,312	82,855,856	84,780,608	86,758,512	88,635,784	90,416,928	92,104,712	93,717,856	95,255,168
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	83,654,328	85,517,768	87,339,424	89,213,064	90,983,520	92,655,976	94,238,776	95,745,848	97,180,720
	Mid Reference Fuel Cost with EPA No CCS CO2	(2,763,016)	(2,661,912)	(2,558,816)	(2,454,552)	(2,347,736)	(2,239,048)	(2,134,064)	(2,027,992)	(1,925,552)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	90,882,624	93,153,736	95,374,664	97,671,408	99,856,368	101,936,184	103,914,920	105,807,984	107,615,632
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	92,063,328	94,179,456	96,245,712	98,386,480	100,415,712	102,339,768	104,167,416	105,909,808	107,572,352
	Mid Reference Fuel Cost with MIT Mid CO2	(1,180,704)	(1,025,720)	(871,048)	(715,072)	(559,344)	(403,584)	(252,496)	(101,824)	43,280
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	92,300,464	94,900,336	97,458,752	100,131,368	102,689,096	105,136,448	107,475,512	109,737,176	111,917,440
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	92,471,608	94,857,640	97,201,928	99,657,880	102,000,880	104,234,328	106,364,568	108,416,208	110,392,120
	Mid Reference Fuel Cost with Lieberman Warner CO2	(171,144)	42,696	256,824	473,488	688,216	902,120	1,110,944	1,320,968	1,525,320
CapEx -5% Case		**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	72,628,920	74,139,824	75,606,672	77,092,080	78,484,560	79,789,568	81,009,912	82,157,648	83,232,200
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	76,598,528	78,077,736	79,510,424	80,956,912	82,307,856	83,568,368	84,748,176	85,854,544	86,891,768
	Mid Reference Fuel Cost with No CO2	(3,969,608)	(3,937,912)	(3,903,752)	(3,864,832)	(3,823,296)	(3,778,800)	(3,738,264)	(3,696,896)	(3,659,568)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	78,742,072	80,553,248	82,321,432	84,130,360	85,843,744	87,466,416	89,001,744	90,460,216	91,842,880
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	81,609,296	83,337,168	85,021,032	86,742,816	88,366,776	89,898,184	91,346,280	92,717,808	94,017,360
	Mid Reference Fuel Cost with Bingaman Specter CO2	(2,867,224)	(2,783,920)	(2,699,600)	(2,612,456)	(2,523,032)	(2,431,768)	(2,344,536)	(2,257,592)	(2,174,480)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	80,667,144	82,622,144	84,536,848	86,504,312	88,372,520	90,145,768	91,826,576	93,433,760	94,965,976
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	82,953,008	84,800,256	86,605,792	88,463,472	90,219,840	91,879,816	93,451,480	94,948,608	96,374,608
	Mid Reference Fuel Cost with EPA No CCS CO2	(2,285,864)	(2,178,112)	(2,068,944)	(1,959,160)	(1,847,320)	(1,734,048)	(1,624,904)	(1,514,848)	(1,408,632)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	90,658,448	92,920,024	95,130,912	97,417,224	99,593,120	101,665,032	103,636,784	105,523,888	107,326,432
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	91,362,016	93,461,952	95,512,088	97,636,896	99,652,032	101,563,608	103,380,112	105,112,560	106,766,232
	Mid Reference Fuel Cost with MIT Mid CO2	(703,568)	(541,928)	(381,176)	(219,672)	(58,912)	101,424	256,672	411,328	560,200
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	92,076,304	94,666,632	97,215,000	99,877,176	102,425,840	104,865,296	107,197,384	109,453,088	111,628,256
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	91,770,272	94,140,112	96,468,280	98,908,272	101,237,176	103,458,152	105,577,256	107,618,952	109,585,992
	Mid Reference Fuel Cost with Lieberman Warner CO2	306,032	526,520	746,720	968,904	1,188,664	1,407,144	1,620,128	1,834,136	2,042,264

CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +5% Case		**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	73,077,264	74,607,248	76,094,184	77,600,456	79,011,064	80,331,872	81,566,176	82,725,832	83,810,584
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	78,001,168	79,512,760	80,977,688	82,456,096	83,835,224	85,120,688	86,322,776	87,449,032	88,503,992
	Mid Reference Fuel Cost with No CO2	(4,923,904)	(4,905,512)	(4,883,504)	(4,855,640)	(4,824,160)	(4,788,816)	(4,756,600)	(4,723,200)	(4,693,408)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	79,190,424	81,020,688	82,808,960	84,638,760	86,370,272	88,008,744	89,558,032	91,028,424	92,421,268
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	83,011,920	84,772,168	86,488,272	88,241,976	89,894,120	91,450,480	92,920,856	94,312,272	95,629,568
	Mid Reference Fuel Cost with Bingaman Specter CO2	(3,821,496)	(3,751,480)	(3,679,312)	(3,603,216)	(3,523,848)	(3,441,736)	(3,362,824)	(3,283,848)	(3,208,260)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	81,115,480	83,089,560	85,024,360	87,012,696	88,899,032	90,688,080	92,382,840	94,001,944	95,544,352
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	84,355,632	86,235,264	88,073,040	89,962,640	91,747,192	93,432,120	95,026,064	96,543,080	97,986,816
	Mid Reference Fuel Cost with EPA No CCS CO2	(3,240,152)	(3,145,704)	(3,048,680)	(2,949,944)	(2,848,160)	(2,744,040)	(2,643,224)	(2,541,136)	(2,442,464)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	91,106,792	93,387,448	95,618,424	97,925,600	100,119,624	102,207,336	104,193,048	106,092,072	107,904,816
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	92,764,624	94,896,944	96,979,320	99,136,048	101,179,368	103,115,896	104,954,680	106,707,016	108,378,424
	Mid Reference Fuel Cost with MIT Mid CO2	(1,657,832)	(1,509,496)	(1,360,896)	(1,210,448)	(1,059,744)	(908,560)	(761,632)	(614,944)	(473,608)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	92,524,648	95,134,064	97,702,528	100,385,576	102,952,368	105,407,616	107,753,664	110,021,288	112,206,648
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	93,172,904	95,575,128	97,935,536	100,407,448	102,764,544	105,010,464	107,151,848	109,213,432	111,198,208
	Mid Reference Fuel Cost with Lieberman Warner CO2	(648,256)	(441,064)	(233,008)	(21,872)	187,824	397,152	601,816	807,856	1,008,440
CapEx +15%Case		**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	73,525,600	75,074,672	76,581,704	78,108,848	79,537,584	80,874,192	82,122,456	83,294,032	84,388,976
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	79,403,776	80,947,752	82,444,920	83,955,248	85,362,568	86,672,976	87,897,344	89,043,488	90,116,184
	Mid Reference Fuel Cost with No CO2	(5,878,176)	(5,873,080)	(5,863,216)	(5,846,400)	(5,824,984)	(5,798,784)	(5,774,888)	(5,749,456)	(5,727,208)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	79,638,760	81,488,104	83,296,472	85,147,136	86,896,776	88,551,048	90,114,288	91,596,600	92,999,656
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	84,414,536	86,207,168	87,955,512	89,741,136	91,421,472	93,002,776	94,495,432	95,906,736	97,241,768
	Mid Reference Fuel Cost with Bingaman Specter CO2	(4,775,776)	(4,719,064)	(4,659,040)	(4,594,000)	(4,524,696)	(4,451,728)	(4,381,144)	(4,310,136)	(4,242,112)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	81,563,832	83,557,000	85,511,888	87,521,088	89,425,552	91,230,400	92,939,120	94,570,144	96,122,752
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	85,758,248	87,670,264	89,540,280	91,461,808	93,274,552	94,984,432	96,600,656	98,137,552	99,599,024
	Mid Reference Fuel Cost with EPA No CCS CO2	(4,194,416)	(4,113,264)	(4,028,392)	(3,940,720)	(3,849,000)	(3,754,032)	(3,661,536)	(3,567,408)	(3,476,272)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	91,555,136	93,854,880	96,105,952	98,433,992	100,646,144	102,749,656	104,749,328	106,660,272	108,483,216
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	94,167,248	96,331,952	98,446,568	100,635,216	102,706,728	104,668,208	106,529,272	108,301,496	109,990,640
	Mid Reference Fuel Cost with MIT Mid CO2	(2,612,112)	(2,477,072)	(2,340,616)	(2,201,224)	(2,060,584)	(1,918,552)	(1,779,944)	(1,641,224)	(1,507,424)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	92,972,968	95,601,464	98,190,024	100,893,936	103,478,856	105,949,904	108,309,904	110,589,448	112,785,008
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	94,575,528	97,010,136	99,402,784	101,906,616	104,291,896	106,562,768	108,726,432	110,807,896	112,810,408
	Mid Reference Fuel Cost with Lieberman Warner CO2	(1,602,560)	(1,408,672)	(1,212,760)	(1,012,680)	(813,040)	(612,864)	(416,528)	(218,448)	(25,400)

Attachment for White Springs 1st POD Request Question 4
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CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +25% Case		**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	73,973,952	75,542,104	77,069,232	78,617,240	80,064,104	81,416,512	82,678,728	83,862,216	84,967,360
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	80,806,408	82,382,760	83,912,168	85,454,416	86,889,920	88,225,280	89,471,928	90,637,952	91,728,384
	Mid Reference Fuel Cost with No CO2	(6,832,456)	(6,840,656)	(6,842,936)	(6,837,176)	(6,825,816)	(6,808,768)	(6,793,200)	(6,775,736)	(6,761,024)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	80,087,104	81,955,528	83,783,992	85,655,520	87,423,288	89,093,360	90,670,560	92,164,792	93,578,048
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	85,817,160	87,642,176	89,422,760	91,240,304	92,948,824	94,555,080	96,070,016	97,501,200	98,853,968
	Mid Reference Fuel Cost with Bingaman Specter CO2	(5,730,056)	(5,686,648)	(5,638,768)	(5,584,784)	(5,525,536)	(5,461,720)	(5,399,456)	(5,336,408)	(5,275,920)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	82,012,160	84,024,408	85,999,392	88,029,464	89,952,056	91,772,704	93,495,384	95,138,320	96,701,128
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	87,160,872	89,105,272	91,007,528	92,960,976	94,801,904	96,536,728	98,175,232	99,732,016	101,211,224
	Mid Reference Fuel Cost with EPA No CCS CO2	(5,148,712)	(5,080,864)	(5,008,136)	(4,931,512)	(4,849,848)	(4,764,024)	(4,679,848)	(4,593,696)	(4,510,096)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	92,003,480	94,322,304	96,593,472	98,942,384	101,172,664	103,291,976	105,305,600	107,228,464	109,061,608
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	95,569,864	97,766,944	99,913,800	102,134,376	104,234,072	106,220,496	108,103,840	109,895,944	111,602,824
	Mid Reference Fuel Cost with MIT Mid CO2	(3,566,384)	(3,444,640)	(3,320,328)	(3,191,992)	(3,061,408)	(2,928,520)	(2,798,240)	(2,667,480)	(2,541,216)
		2034	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	93,421,312	96,068,896	98,677,544	101,402,328	104,005,376	106,492,224	108,866,184	111,157,640	113,363,400
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	95,978,144	98,445,136	100,870,032	103,405,784	105,819,256	108,115,080	110,301,024	112,402,376	114,422,624
	Mid Reference Fuel Cost with Lieberman Warner CO2	(2,556,832)	(2,376,240)	(2,192,488)	(2,003,456)	(1,813,880)	(1,622,856)	(1,434,840)	(1,244,736)	(1,059,224)

CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Baseline		2043	2044	2045	2046	2047	2048	2049	2050
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	84,571,888	85,571,944	86,509,064	87,404,472	88,265,712	89,072,968	89,830,088	90,556,536
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	88,716,352	89,681,768	90,586,328	91,431,496	92,223,336	92,967,080	93,660,440	94,313,624
	Mid Reference Fuel Cost with No CO2	(4,144,464)	(4,109,824)	(4,077,264)	(4,027,024)	(3,957,624)	(3,894,112)	(3,830,352)	(3,757,088)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	93,488,496	94,792,944	96,031,008	97,227,784	98,386,568	99,488,360	100,537,720	101,553,488
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	96,103,248	97,330,184	98,493,528	99,594,112	100,637,624	101,630,912	102,570,768	103,467,600
	Mid Reference Fuel Cost with Bingaman Specter CO2	(2,614,752)	(2,537,240)	(2,462,520)	(2,366,328)	(2,251,056)	(2,142,552)	(2,033,048)	(1,914,112)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	96,762,424	98,216,952	99,602,328	100,951,872	102,263,096	103,515,136	104,711,104	105,868,728
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	98,587,840	99,942,064	101,230,256	102,457,504	103,627,704	104,746,088	105,807,360	106,821,768
	Mid Reference Fuel Cost with EPA No CCS CO2	(1,825,416)	(1,725,112)	(1,627,928)	(1,505,632)	(1,364,608)	(1,230,952)	(1,096,256)	(953,040)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	109,389,408	111,108,176	112,753,640	114,357,064	115,911,704	117,398,904	118,823,120	120,203,256
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	109,204,368	110,782,384	112,290,880	113,728,472	115,100,352	116,414,656	117,665,280	118,864,608
	Mid Reference Fuel Cost with MIT Mid CO2	185,040	325,792	462,760	628,592	811,352	984,248	1,157,840	1,338,648
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	114,069,736	116,169,744	118,191,528	120,193,168	122,142,864	124,027,848	125,847,840	127,621,448
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	112,343,296	114,244,096	116,070,728	117,838,032	119,538,088	121,183,736	122,761,976	124,286,016
	Mid Reference Fuel Cost with Lieberman Warner CO2	1,726,440	1,925,648	2,120,800	2,355,136	2,604,776	2,844,112	3,085,864	3,335,432
CapEx -5% Case		**2043**	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	84,276,632	85,271,152	86,203,520	87,101,184	87,961,240	88,765,688	89,519,408	90,243,280
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	87,900,752	88,857,544	89,754,448	90,592,816	91,378,640	92,117,048	92,805,736	93,454,808
	Mid Reference Fuel Cost with No CO2	(3,624,120)	(3,586,392)	(3,550,928)	(3,491,632)	(3,417,400)	(3,351,360)	(3,286,328)	(3,211,528)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	93,193,248	94,492,152	95,725,464	96,920,840	98,074,704	99,170,152	100,212,096	101,221,536
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	95,287,664	96,505,984	97,661,664	98,755,456	99,792,944	100,780,896	101,716,072	102,608,792
	Mid Reference Fuel Cost with Bingaman Specter CO2	*(2,094,416)*	*(2,013,832)*	*(1,936,200)*	*(1,834,616)*	*(1,718,240)*	*(1,610,744)*	*(1,503,976)*	*(1,387,256)*
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	96,467,160	97,916,152	99,296,776	100,641,584	101,944,888	103,187,808	104,373,256	105,522,008
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	97,772,248	99,117,856	100,398,384	101,618,840	102,783,024	103,896,080	104,952,680	105,962,976
	Mid Reference Fuel Cost with EPA No CCS CO2	(1,305,088)	(1,201,704)	(1,101,608)	(977,256)	(838,136)	(708,272)	(579,424)	(440,968)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	109,094,144	110,807,376	112,448,096	114,041,112	115,583,168	117,057,152	118,466,768	119,834,608
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	108,388,776	109,958,176	111,459,016	112,889,808	114,255,664	115,564,632	116,810,584	118,005,800
	Mid Reference Fuel Cost with MIT Mid CO2	705,368	849,200	989,080	1,151,304	1,327,504	1,492,520	1,656,184	1,828,808
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	113,774,480	115,868,944	117,885,984	119,868,408	121,800,624	123,668,688	125,470,088	127,227,816
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	111,527,696	113,419,880	115,238,856	116,999,360	118,693,392	120,333,712	121,907,272	123,427,200
	Mid Reference Fuel Cost with Lieberman Warner CO2	2,246,784	2,449,064	2,647,128	2,869,048	3,107,232	3,334,976	3,562,816	3,800,616

CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +5% Case		2043	2044	2045	2046	2047	2048	2049	2050
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	84,867,152	85,872,752	86,814,624	87,722,976	88,594,384	89,408,632	90,171,008	90,903,928
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	89,531,928	90,505,960	91,418,176	92,270,136	93,068,000	93,817,072	94,515,104	95,172,400
	Mid Reference Fuel Cost with No CO2	(4,664,776)	(4,633,208)	(4,603,552)	(4,547,160)	(4,473,616)	(4,408,440)	(4,344,096)	(4,268,472)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	93,783,792	95,093,776	96,336,592	97,542,656	98,707,872	99,813,120	100,863,712	101,882,200
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	96,918,824	98,154,376	99,325,376	100,432,760	101,482,296	102,480,912	103,425,440	104,326,384
	Mid Reference Fuel Cost with Bingaman Specter CO2	(3,135,032)	(3,060,600)	(2,988,784)	(2,890,104)	(2,774,424)	(2,667,792)	(2,561,728)	(2,444,184)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	97,057,672	98,517,744	99,907,872	101,263,368	102,578,024	103,830,744	105,024,840	106,182,648
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	99,403,408	100,766,248	102,062,096	103,296,144	104,472,368	105,596,088	106,662,032	107,680,552
	Mid Reference Fuel Cost with EPA No CCS CO2	(2,345,736)	(2,248,504)	(2,154,224)	(2,032,776)	(1,894,344)	(1,765,344)	(1,637,192)	(1,497,904)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	109,684,656	111,408,968	113,059,184	114,662,888	116,216,296	117,700,080	119,118,352	120,495,240
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	110,019,920	111,606,552	113,122,712	114,567,096	115,945,000	117,264,632	118,519,936	119,723,376
	Mid Reference Fuel Cost with MIT Mid CO2	(335,264)	(197,584)	(63,528)	95,792	271,296	435,448	598,416	771,864
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	114,365,008	116,470,552	118,497,088	120,490,200	122,433,768	124,311,632	126,121,688	127,888,472
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	113,158,864	115,068,280	116,902,576	118,676,672	120,382,752	122,033,736	123,616,648	125,144,800
	Mid Reference Fuel Cost with Lieberman Warner CO2	1,206,144	1,402,272	1,594,512	1,813,528	2,051,016	2,277,896	2,505,040	2,743,672
CapEx +15%Case		**2043**	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	85,457,672	86,474,352	87,425,720	88,344,760	89,227,520	90,051,568	90,822,592	91,564,568
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	91,163,072	92,154,336	93,081,872	93,947,432	94,757,344	95,517,080	96,224,464	96,889,984
	Mid Reference Fuel Cost with No CO2	(5,705,400)	(5,679,984)	(5,656,152)	(5,602,672)	(5,529,824)	(5,465,512)	(5,401,872)	(5,325,416)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	94,374,296	95,695,360	96,947,672	98,164,424	99,340,992	100,456,040	101,515,288	102,542,832
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	98,549,976	99,802,760	100,989,080	102,110,056	103,171,640	104,180,920	105,134,800	106,043,968
	Mid Reference Fuel Cost with Bingaman Specter CO2	(4,175,680)	(4,107,400)	(4,041,408)	(3,945,632)	(3,830,648)	(3,724,880)	(3,619,512)	(3,501,136)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	97,648,208	99,119,360	100,518,984	101,885,168	103,211,176	104,473,696	105,676,448	106,843,304
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	101,034,568	102,414,648	103,725,816	104,973,456	106,161,728	107,296,112	108,371,408	109,398,152
	Mid Reference Fuel Cost with EPA No CCS CO2	(3,386,360)	(3,295,288)	(3,206,832)	(3,088,288)	(2,950,552)	(2,822,416)	(2,694,960)	(2,554,848)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	110,275,192	112,010,584	113,670,296	115,284,688	116,849,448	118,343,032	119,769,960	121,155,904
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	111,651,080	113,254,944	114,786,416	116,244,392	117,634,344	118,964,640	120,229,288	121,440,952
	Mid Reference Fuel Cost with MIT Mid CO2	(1,375,888)	(1,244,360)	(1,116,120)	(959,704)	(784,896)	(621,608)	(459,328)	(285,048)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	114,955,504	117,072,136	119,108,168	121,111,968	123,066,888	124,954,552	126,773,264	128,549,096
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	114,790,016	116,716,664	118,566,272	120,353,960	122,072,088	123,733,736	125,326,000	126,862,376
	Mid Reference Fuel Cost with Lieberman Warner CO2	165,488	355,472	541,896	758,008	994,800	1,220,816	1,447,264	1,686,720

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CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +25% Case		**2043**	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	86,048,192	87,075,960	88,036,824	88,966,552	89,860,664	90,694,512	91,474,192	92,225,216
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	92,794,224	93,802,728	94,745,576	95,624,728	96,446,688	97,217,088	97,933,824	98,607,576
	Mid Reference Fuel Cost with No CO2	(6,746,032)	(6,726,768)	(6,708,752)	(6,658,176)	(6,586,024)	(6,522,576)	(6,459,632)	(6,382,360)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	94,964,816	96,296,968	97,558,776	98,786,216	99,974,136	101,098,984	102,166,888	103,203,488
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	100,181,128	101,451,152	102,652,784	103,787,352	104,860,976	105,880,928	106,844,160	107,761,560
	Mid Reference Fuel Cost with Bingaman Specter CO2	(5,216,312)	(5,154,184)	(5,094,008)	(5,001,136)	(4,886,840)	(4,781,944)	(4,677,272)	(4,558,072)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	98,238,712	99,720,944	101,130,064	102,506,936	103,844,296	105,116,616	106,328,024	107,503,936
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	102,665,720	104,063,032	105,389,512	106,650,744	107,851,064	108,996,112	110,080,760	111,115,728
	Mid Reference Fuel Cost with EPA No CCS CO2	(4,427,008)	(4,342,088)	(4,259,448)	(4,143,808)	(4,006,768)	(3,879,496)	(3,752,736)	(3,611,792)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	110,865,720	112,612,192	114,281,408	115,906,488	117,482,600	118,985,984	120,421,560	121,816,552
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	113,282,216	114,903,320	116,450,112	117,921,680	119,323,680	120,664,640	121,938,640	123,158,528
	Mid Reference Fuel Cost with MIT Mid CO2	(2,416,496)	(2,291,128)	(2,168,704)	(2,015,192)	(1,841,080)	(1,678,656)	(1,517,080)	(1,341,976)
		2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	115,546,024	117,673,736	119,719,272	121,733,760	123,700,032	125,597,496	127,424,856	129,209,744
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	116,421,176	118,365,064	120,229,992	122,031,272	123,761,440	125,433,752	127,035,368	128,579,968
	Mid Reference Fuel Cost with Lieberman Warner CO2	(875,152)	(691,328)	(510,720)	(297,512)	(61,408)	163,744	389,488	629,776

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CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Baseline		**2051**	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	91,240,048	91,879,064	92,495,272	93,074,056	93,630,128	94,149,920	94,651,096	95,119,448
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	94,924,520	95,498,736	96,038,920	96,552,656	97,036,608	97,492,408	97,920,288	98,332,080
	Mid Reference Fuel Cost with No CO2	(3,684,472)	(3,619,672)	(3,543,648)	(3,478,600)	(3,406,480)	(3,342,488)	(3,269,192)	(3,212,632)
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	102,523,760	103,446,968	104,343,208	105,200,208	106,031,824	106,824,472	107,595,848	108,332,192
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	104,320,032	105,134,072	105,910,352	106,658,664	107,374,496	108,059,528	108,714,352	109,350,424
	Mid Reference Fuel Cost with Bingaman Specter CO2	(1,796,272)	(1,687,104)	(1,567,144)	(1,458,456)	(1,342,672)	(1,235,056)	(1,118,504)	(1,018,232)
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	106,974,424	108,025,776	109,041,624	110,009,472	110,942,168	111,826,088	112,678,320	113,484,888
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	107,786,416	108,706,712	109,582,064	110,422,544	111,222,440	111,983,248	112,705,408	113,399,696
	Mid Reference Fuel Cost with EPA No CCS CO2	(811,992)	(680,936)	(540,440)	(413,072)	(280,272)	(157,160)	(27,088)	85,192
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	121,524,464	122,785,256	124,004,456	125,172,056	126,300,128	127,376,336	128,417,928	129,410,464
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	120,008,552	121,103,888	122,149,088	123,155,872	124,117,864	125,037,232	125,914,760	126,761,544
	Mid Reference Fuel Cost with MIT Mid CO2	1,515,912	1,681,368	1,855,368	2,016,184	2,182,264	2,339,104	2,503,168	2,648,920
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	129,321,808	130,946,352	132,513,384	134,014,136	135,459,104	136,837,088	138,164,976	139,427,024
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	125,743,072	127,139,456	128,471,640	129,752,264	130,973,904	132,139,736	133,251,456	134,318,400
	Mid Reference Fuel Cost with Lieberman Warner CO2	3,578,736	3,806,896	4,041,744	4,261,872	4,485,200	4,697,352	4,913,520	5,108,624
CapEx -5% Case		**2051**	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	90,922,768	91,559,984	92,173,896	92,749,120	93,302,128	93,818,904	94,316,680	94,781,008
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	94,062,112	94,633,184	95,170,696	95,681,840	96,163,552	96,617,424	97,043,776	97,453,824
	Mid Reference Fuel Cost with No CO2	(3,139,344)	(3,073,200)	(2,996,800)	(2,932,720)	(2,861,424)	(2,798,520)	(2,727,096)	(2,672,816)
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	102,183,640	103,100,752	103,990,744	104,839,856	105,664,200	106,449,984	107,213,424	107,940,696
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	103,457,632	104,268,528	105,042,136	105,787,856	106,501,448	107,184,552	107,837,848	108,472,176
	Mid Reference Fuel Cost with Bingaman Specter CO2	*(1,273,992)*	*(1,167,776)*	*(1,051,392)*	*(948,000)*	*(837,248)*	*(734,568)*	*(624,424)*	*(531,480)*
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	106,616,632	107,658,976	108,665,752	109,623,192	110,546,432	111,421,320	112,263,600	113,059,312
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	106,924,032	107,841,184	108,713,864	109,551,752	110,349,408	111,108,288	111,828,920	112,521,456
	Mid Reference Fuel Cost with EPA No CCS CO2	(307,400)	(182,208)	(48,112)	71,440	197,024	313,032	434,680	537,856
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	121,141,312	122,389,736	123,597,128	124,751,312	125,867,824	126,932,960	127,962,168	128,941,344
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	119,146,152	120,238,336	121,280,864	122,285,056	123,244,808	124,162,248	125,038,248	125,883,280
	Mid Reference Fuel Cost with MIT Mid CO2	1,995,160	2,151,400	2,316,264	2,466,256	2,623,016	2,770,712	2,923,920	3,058,064
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	128,908,888	130,516,424	132,067,448	133,550,536	134,980,720	136,345,344	137,657,744	138,903,168
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	124,880,664	126,273,904	127,603,416	128,881,448	130,100,848	131,264,752	132,374,944	133,440,144
	Mid Reference Fuel Cost with Lieberman Warner CO2	4,028,224	4,242,520	4,464,032	4,669,088	4,879,872	5,080,592	5,282,800	5,463,024

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CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +5% Case		2051	2052	2053	2054	2055	2056	2057	2058
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	91,591,416	92,235,488	92,856,872	93,438,664	93,998,720	94,521,560	95,025,848	95,495,792
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	95,786,888	96,364,256	96,907,112	97,423,440	97,909,632	98,367,360	98,796,760	99,210,296
	Mid Reference Fuel Cost with No CO2	(4,195,472)	(4,128,768)	(4,050,240)	(3,984,776)	(3,910,912)	(3,845,800)	(3,770,912)	(3,714,504)
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	102,852,304	103,776,272	104,673,736	105,529,416	106,360,816	107,152,672	107,922,624	108,655,512
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	105,182,408	105,999,592	106,778,544	107,529,448	108,247,520	108,934,480	109,590,832	110,228,656
	Mid Reference Fuel Cost with Bingaman Specter CO2	(2,330,104)	(2,223,320)	(2,104,808)	(2,000,032)	(1,886,704)	(1,781,808)	(1,668,208)	(1,573,144)
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	107,285,264	108,334,464	109,348,712	110,312,728	111,243,024	112,123,984	112,972,776	113,774,104
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	108,648,792	109,572,232	110,450,256	111,293,328	112,095,464	112,858,200	113,581,888	114,277,920
	Mid Reference Fuel Cost with EPA No CCS CO2	(1,363,528)	(1,237,768)	(1,101,544)	(980,600)	(852,440)	(734,216)	(609,112)	(503,816)
		2051	2052	2053	2054	2055	2056	2057	2058
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	121,809,944	123,065,224	124,280,088	125,440,848	126,564,416	127,635,624	128,671,344	129,656,128
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	120,870,912	121,969,392	123,017,264	124,026,632	124,990,864	125,912,160	126,791,216	127,639,744
	Mid Reference Fuel Cost with MIT Mid CO2	939,032	1,095,832	1,262,824	1,414,216	1,573,552	1,723,464	1,880,128	2,016,384
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	129,577,544	131,191,936	132,750,432	134,240,096	135,677,328	137,048,032	138,366,944	139,617,984
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	126,605,448	128,004,976	129,339,832	130,623,040	131,846,920	133,014,680	134,127,928	135,196,624
	Mid Reference Fuel Cost with Lieberman Warner CO2	2,972,096	3,186,960	3,410,600	3,617,056	3,830,408	4,033,352	4,239,016	4,421,360
CapEx +15%Case		**2051**	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	92,260,048	92,910,976	93,539,832	94,128,192	94,695,304	95,224,216	95,735,016	96,210,568
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	97,511,656	98,095,320	98,643,520	99,165,024	99,655,688	100,117,272	100,549,728	100,966,760
	Mid Reference Fuel Cost with No CO2	(5,251,608)	(5,184,344)	(5,103,688)	(5,036,832)	(4,960,384)	(4,893,056)	(4,814,712)	(4,756,192)
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	103,520,928	104,451,752	105,356,688	106,218,944	107,057,392	107,855,312	108,631,776	109,370,272
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	106,907,176	107,730,656	108,514,952	109,271,040	109,993,592	110,684,408	111,343,816	111,985,128
	Mid Reference Fuel Cost with Bingaman Specter CO2	(3,386,248)	(3,278,904)	(3,158,264)	(3,052,096)	(2,936,200)	(2,829,096)	(2,712,040)	(2,614,856)
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	107,953,920	109,009,984	110,031,704	111,002,288	111,939,632	112,826,656	113,681,952	114,488,888
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	110,373,568	111,303,304	112,186,672	113,034,920	113,841,536	114,608,128	115,334,872	116,034,400
	Mid Reference Fuel Cost with EPA No CCS CO2	(2,419,648)	(2,293,320)	(2,154,968)	(2,032,632)	(1,901,904)	(1,781,472)	(1,652,920)	(1,545,512)
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	122,478,600	123,740,736	124,963,072	126,130,400	127,261,016	128,338,288	129,380,520	130,370,920
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	122,595,672	123,700,448	124,753,664	125,768,216	126,736,928	127,662,080	128,544,184	129,396,208
	Mid Reference Fuel Cost with MIT Mid CO2	(117,072)	40,288	209,408	362,184	524,088	676,208	836,336	974,712
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	130,246,160	131,867,408	133,433,376	134,929,600	136,373,888	137,750,656	139,076,080	140,332,736
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	128,330,208	129,736,032	131,076,232	132,364,624	133,592,984	134,764,608	135,880,912	136,953,104
	Mid Reference Fuel Cost with Lieberman Warner CO2	1,915,952	2,131,376	2,357,144	2,564,976	2,780,904	2,986,048	3,195,168	3,379,632

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Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +25% Case		**2051**	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	92,928,696	93,586,480	94,222,808	94,817,744	95,391,912	95,926,896	96,444,200	96,925,368
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	99,236,432	99,826,384	100,379,928	100,906,616	101,401,760	101,867,200	102,302,712	102,723,240
	Mid Reference Fuel Cost with No CO2	(6,307,736)	(6,239,904)	(6,157,120)	(6,088,872)	(6,009,848)	(5,940,304)	(5,858,512)	(5,797,872)
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	104,189,584	105,127,264	106,039,672	106,908,496	107,754,000	108,557,992	109,340,968	110,085,080
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	108,631,944	109,461,720	110,251,360	111,012,632	111,739,664	112,434,336	113,096,792	113,741,600
	Mid Reference Fuel Cost with Bingaman Specter CO2	(4,442,360)	(4,334,456)	(4,211,688)	(4,104,136)	(3,985,664)	(3,876,344)	(3,755,824)	(3,656,520)
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	108,622,552	109,685,472	110,714,664	111,691,816	112,636,216	113,529,312	114,391,120	115,203,672
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	112,098,328	113,034,360	113,923,072	114,776,504	115,587,600	116,358,048	117,087,848	117,790,864
	Mid Reference Fuel Cost with EPA No CCS CO2	(3,475,776)	(3,348,888)	(3,208,408)	(3,084,688)	(2,951,384)	(2,828,736)	(2,696,728)	(2,587,192)
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	123,147,248	124,416,240	125,646,048	126,819,944	127,957,616	129,040,960	130,089,696	131,085,712
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	124,320,432	125,431,504	126,490,064	127,509,800	128,482,992	129,412,000	130,297,160	131,152,680
	Mid Reference Fuel Cost with MIT Mid CO2	(1,173,184)	(1,015,264)	(844,016)	(689,856)	(525,376)	(371,040)	(207,464)	(66,968)
		2051	**2052**	**2053**	**2054**	**2055**	**2056**	**2057**	**2058**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	130,914,808	132,542,912	134,116,360	135,619,168	137,070,512	138,453,344	139,785,280	141,047,552
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	130,054,976	131,467,096	132,812,640	134,106,216	135,339,056	136,514,528	137,633,888	138,709,568
	Mid Reference Fuel Cost with Lieberman Warner CO2	859,832	1,075,816	1,303,720	1,512,952	1,731,456	1,938,816	2,151,392	2,337,984

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CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Baseline		**2059**	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	95,561,160	95,977,776	96,376,712	96,753,208	97,117,336	97,457,512	97,783,928	98,018,728
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	98,718,976	99,094,616	99,445,080	99,778,056	100,101,280	100,411,360	100,703,320	100,907,152
	Mid Reference Fuel Cost with No CO2	(3,157,816)	(3,116,840)	(3,068,368)	(3,024,848)	(2,983,944)	(2,953,848)	(2,919,392)	(2,888,424)
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	109,038,936	109,720,184	110,380,760	111,014,664	111,636,968	112,231,160	112,813,288	113,305,792
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	109,959,872	110,557,400	111,126,584	111,674,936	112,214,400	112,736,088	113,237,696	113,648,608
	Mid Reference Fuel Cost with Bingaman Specter CO2	(920,936)	(837,216)	(745,824)	(660,272)	(577,432)	(504,928)	(424,408)	(342,816)
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	114,251,072	114,981,296	115,679,968	116,341,656	116,981,872	117,584,048	118,164,696	118,646,272
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	114,058,488	114,696,440	115,297,032	115,868,280	116,422,520	116,950,760	117,451,160	117,853,352
	Mid Reference Fuel Cost with EPA No CCS CO2	192,584	284,856	382,936	473,376	559,352	633,288	713,536	792,920
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	130,359,376	131,270,536	132,146,784	132,982,160	133,795,952	134,567,408	135,316,864	135,966,688
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	127,570,792	128,357,616	129,103,680	129,816,928	130,513,296	131,179,840	131,816,752	132,352,904
	Mid Reference Fuel Cost with MIT Mid CO2	2,788,584	2,912,920	3,043,104	3,165,232	3,282,656	3,387,568	3,500,112	3,613,784
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	140,629,968	141,780,752	142,880,416	143,922,880	144,931,056	145,881,152	146,797,408	147,602,496
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	135,334,912	136,316,736	137,243,200	138,124,800	138,979,984	139,791,664	140,562,944	141,222,240
	Mid Reference Fuel Cost with Lieberman Warner CO2	5,295,056	5,464,016	5,637,216	5,798,080	5,951,072	6,089,488	6,234,464	6,380,256
CapEx -5% Case		**2059**	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	95,220,680	95,633,864	96,029,352	96,402,848	96,761,880	97,097,440	97,419,480	97,650,152
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	97,839,240	98,213,064	98,561,976	98,893,480	99,214,960	99,523,064	99,813,272	100,015,168
	Mid Reference Fuel Cost with No CO2	(2,618,560)	(2,579,200)	(2,532,624)	(2,490,632)	(2,453,080)	(2,425,624)	(2,393,792)	(2,365,016)
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	108,641,160	109,313,944	109,966,152	110,592,376	111,209,584	111,799,160	112,376,912	112,865,288
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	109,080,144	109,675,848	110,243,472	110,790,352	111,328,072	111,847,792	112,347,640	112,756,616
	Mid Reference Fuel Cost with Bingaman Specter CO2	(438,984)	(361,904)	(277,320)	(197,976)	(118,488)	(48,632)	29,272	108,672
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	113,817,944	114,538,648	115,228,368	115,881,896	116,517,008	117,114,568	117,690,832	118,168,280
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	113,178,768	113,814,904	114,413,936	114,983,712	115,536,208	116,062,480	116,561,128	116,961,384
	Mid Reference Fuel Cost with EPA No CCS CO2	639,176	723,744	814,432	898,184	980,800	1,052,088	1,129,704	1,206,896
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	129,880,528	130,779,592	131,644,544	132,469,496	133,278,184	134,045,024	134,790,112	135,435,792
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	126,691,048	127,476,048	128,220,560	128,932,336	129,626,960	130,291,536	130,926,688	131,460,904
	Mid Reference Fuel Cost with MIT Mid CO2	3,189,480	3,303,544	3,423,984	3,537,160	3,651,224	3,753,488	3,863,424	3,974,888
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	140,093,456	141,228,816	142,313,776	143,342,976	144,346,048	145,291,536	146,203,408	147,004,368
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	134,455,168	135,435,168	136,360,080	137,240,208	138,093,648	138,903,360	139,672,880	140,330,240
	Mid Reference Fuel Cost with Lieberman Warner CO2	5,638,288	5,793,648	5,953,696	6,102,768	6,252,400	6,388,176	6,530,528	6,674,128

Attachment for White Springs 1st POD Request Question 4
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CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +5% Case		2059	2060	2061	2062	2063	2064	2065	2066
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	95,940,640	96,358,424	96,758,816	97,136,672	97,500,008	97,839,376	98,165,184	98,399,552
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	99,598,672	99,976,136	100,328,152	100,662,600	100,987,568	101,299,616	101,593,328	101,799,096
	Mid Reference Fuel Cost with No CO2	(3,658,032)	(3,617,712)	(3,569,336)	(3,525,928)	(3,487,560)	(3,460,240)	(3,428,144)	(3,399,544)
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	109,361,152	110,038,544	110,695,656	111,326,240	111,947,760	112,541,144	113,122,664	113,614,736
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	110,839,584	111,438,936	112,009,672	112,559,496	113,100,704	113,624,360	114,127,720	114,540,568
	Mid Reference Fuel Cost with Bingaman Specter CO2	(1,478,432)	(1,400,392)	(1,314,016)	(1,233,256)	(1,152,944)	(1,083,216)	(1,005,056)	(925,832)
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	114,537,912	115,263,216	115,957,832	116,615,720	117,255,144	117,856,512	118,436,552	118,917,704
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	114,938,192	115,577,968	116,180,112	116,752,824	117,308,808	117,839,016	118,341,168	118,745,296
	Mid Reference Fuel Cost with EPA No CCS CO2	(400,280)	(314,752)	(222,280)	(137,104)	(53,664)	17,496	95,384	172,408
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	130,600,480	131,504,144	132,374,000	133,203,312	134,016,312	134,786,960	135,535,824	136,185,216
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	128,450,472	129,239,112	129,986,736	130,701,448	131,399,560	132,068,072	132,706,736	133,244,824
	Mid Reference Fuel Cost with MIT Mid CO2	2,150,008	2,265,032	2,387,264	2,501,864	2,616,752	2,718,888	2,829,088	2,940,392
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	140,813,440	141,953,408	143,043,264	144,076,816	145,084,192	146,033,488	146,949,136	147,753,792
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	136,214,608	137,198,256	138,126,272	139,009,344	139,866,272	140,679,936	141,452,976	142,114,208
	Mid Reference Fuel Cost with Lieberman Warner CO2	4,598,832	4,755,152	4,916,992	5,067,472	5,217,920	5,353,552	5,496,160	5,639,584
CapEx +15%Case		**2059**	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	96,660,584	97,082,968	97,488,256	97,870,472	98,238,120	98,581,296	98,910,880	99,148,944
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	101,358,096	101,739,208	102,094,336	102,431,720	102,760,168	103,076,160	103,373,376	103,583,016
	Mid Reference Fuel Cost with No CO2	(4,697,512)	(4,656,240)	(4,606,080)	(4,561,248)	(4,522,048)	(4,494,864)	(4,462,496)	(4,434,072)
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	110,081,088	110,763,080	111,425,088	112,060,032	112,685,856	113,283,048	113,868,344	114,364,120
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	112,599,016	113,202,008	113,775,856	114,328,616	114,873,304	115,400,904	115,907,768	116,324,488
	Mid Reference Fuel Cost with Bingaman Specter CO2	(2,517,928)	(2,438,928)	(2,350,768)	(2,268,584)	(2,187,448)	(2,117,856)	(2,039,424)	(1,960,368)
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	115,257,872	115,987,776	116,687,296	117,349,544	117,993,280	118,598,456	119,182,272	119,667,120
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	116,697,632	117,341,056	117,946,312	118,521,960	119,081,432	119,615,584	120,121,248	120,529,248
	Mid Reference Fuel Cost with EPA No CCS CO2	(1,439,760)	(1,353,280)	(1,259,016)	(1,172,416)	(1,088,152)	(1,017,128)	(938,976)	(862,128)
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	131,320,448	132,228,720	133,103,472	133,937,144	134,754,448	135,528,896	136,281,520	136,934,608
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	130,209,896	131,002,184	131,752,920	132,470,576	133,172,168	133,844,624	134,486,800	135,028,768
	Mid Reference Fuel Cost with MIT Mid CO2	1,110,552	1,226,536	1,350,552	1,466,568	1,582,280	1,684,272	1,794,720	1,905,840
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	141,533,376	142,677,936	143,772,704	144,810,624	145,822,320	146,775,424	147,694,848	148,503,200
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	137,974,048	138,961,344	139,892,480	140,778,480	141,638,896	142,456,496	143,233,040	143,898,144
	Mid Reference Fuel Cost with Lieberman Warner CO2	3,559,328	3,716,592	3,880,224	4,032,144	4,183,424	4,318,928	4,461,808	4,605,056

Attachment for White Springs 1st POD Request Question 4
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CapEx Summary - Full Ownership

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

CapEx +25% Case		**2059**	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	97,380,560	97,807,544	98,217,728	98,604,304	98,976,264	99,323,248	99,656,608	99,898,368
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	103,117,536	103,502,288	103,860,528	104,200,848	104,532,784	104,852,712	105,153,440	105,366,952
	Mid Reference Fuel Cost with No CO2	(5,736,976)	(5,694,744)	(5,642,800)	(5,596,544)	(5,556,520)	(5,529,464)	(5,496,832)	(5,468,584)
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	110,801,064	111,487,656	112,154,560	112,793,864	113,424,000	114,025,000	114,614,072	115,113,544
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	114,358,448	114,965,080	115,542,032	116,097,728	116,645,904	117,177,448	117,687,816	118,108,408
	Mid Reference Fuel Cost with Bingaman Specter CO2	(3,557,384)	(3,477,424)	(3,387,472)	(3,303,864)	(3,221,904)	(3,152,448)	(3,073,744)	(2,994,864)
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	115,977,832	116,712,336	117,416,752	118,083,360	118,731,408	119,340,392	119,927,976	120,416,520
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	118,457,064	119,104,128	119,712,488	120,291,080	120,854,040	121,392,128	121,901,296	122,313,168
	Mid Reference Fuel Cost with EPA No CCS CO2	(2,479,232)	(2,391,792)	(2,295,736)	(2,207,720)	(2,122,632)	(2,051,736)	(1,973,320)	(1,896,648)
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	132,040,416	132,953,288	133,832,936	134,670,960	135,492,576	136,270,832	137,027,232	137,684,016
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	131,969,328	132,765,256	133,519,096	134,239,680	134,944,768	135,621,168	136,266,848	136,812,688
	Mid Reference Fuel Cost with MIT Mid CO2	71,088	188,032	313,840	431,280	547,808	649,664	760,384	871,328
		2059	**2060**	**2061**	**2062**	**2063**	**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	142,253,360	143,402,528	144,502,192	145,544,464	146,560,464	147,517,376	148,440,576	149,252,624
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	139,733,472	140,724,400	141,658,640	142,547,584	143,411,488	144,233,024	145,013,072	145,682,048
	Mid Reference Fuel Cost with Lieberman Warner CO2	2,519,888	2,678,128	2,843,552	2,996,880	3,148,976	3,284,352	3,427,504	3,570,576

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Attachment to White Springs 1st Request for POD's Question 5
Docket No. 080148-EI

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Mid Reference Fuel		*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*	*2015*	*2016*
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,978,298	28,013,272	30,968,174	33,893,536
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,978,298	28,013,272	31,138,052	34,538,268
	Mid Reference Fuel Cost with No CO2	-	-	-	-	-	-	-	-	(169,878)	(644,732)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	22,037,068	25,469,904	28,745,608	31,948,946	35,120,804
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	*22,037,068*	*25,469,904*	*28,745,608*	*32,118,824*	*35,746,772*
	Mid Reference Fuel Cost with Bingaman Specter CO2	-	-	-	-	-	-	-	-	(169,878)	(625,968)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,978,298	28,013,272	31,327,588	34,616,484
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,978,298	28,013,272	31,497,466	35,232,744
	Mid Reference Fuel Cost with EPA No CCS CO2	-	-	-	-	-	-	-	-	(169,878)	(616,260)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	19,365,484	23,319,500	27,264,770	31,032,904	34,745,576	38,417,232
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	19,365,484	23,319,500	27,264,770	31,032,904	34,915,452	39,002,132
	Mid Reference Fuel Cost with MIT Mid CO2	-	-	-	-	-	-	-	-	(169,876)	(584,900)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,978,298	28,013,272	31,928,328	35,792,660
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,059,500	7,817,007	11,592,784	15,208,790	18,596,520	21,792,096	24,978,298	28,013,272	32,098,206	36,360,696
	Mid Reference Fuel Cost with Lieberman Warner CO2	-	-	-	-	-	-	-	-	(169,878)	(568,036)
High Fuel Sensitivity		**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,245,344	8,351,098	12,624,808	16,778,120	20,679,338	24,351,356	28,030,374	31,563,006	35,036,408	38,474,584
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,245,344	8,351,098	12,624,808	16,778,120	20,679,338	*24,351,356*	*28,030,374*	*31,563,006*	*35,206,288*	*39,045,980*
	High Reference Fuel Cost with No CO2	-	-	-	-	-	-	-	-	(169,880)	(571,396)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,245,344	8,351,098	12,624,808	16,778,120	20,679,338	24,597,204	28,524,500	32,300,312	36,024,260	39,710,976
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,245,344	8,351,098	12,624,808	16,778,120	20,679,338	24,597,204	28,524,500	32,300,312	36,194,136	40,263,784
	High Reference Fuel Cost with Bingaman Specter CO2	-	-	-	-	-	-	-	-	(169,876)	(552,808)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,245,344	8,351,098	12,624,808	16,778,120	20,679,338	24,351,356	28,030,374	31,563,006	35,401,048	39,208,124
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,245,344	8,351,098	12,624,808	16,778,120	20,679,338	24,351,356	28,030,374	31,563,006	35,570,928	39,751,904
	High Reference Fuel Cost with EPA No CCS CO2	-	-	-	-	-	-	-	-	(169,880)	(543,780)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,245,344	8,351,098	12,624,808	16,778,120	21,462,242	25,907,380	30,368,416	34,666,136	38,925,756	43,139,824
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,245,344	8,351,098	12,624,808	16,778,120	21,462,242	25,907,380	30,368,416	34,666,136	39,095,632	43,652,936
	High Reference Fuel Cost with MIT Mid CO2	-	-	-	-	-	-	-	-	(169,876)	(513,112)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	4,245,344	8,351,098	12,624,808	16,778,120	20,679,338	24,351,356	28,030,374	31,563,006	36,044,172	40,478,160
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	4,245,344	8,351,098	12,624,808	16,778,120	20,679,338	24,351,356	28,030,374	31,563,006	36,214,052	40,973,940
	High Reference Fuel Cost with Lieberman Warner CO2	-	-	-	-	-	-	-	-	(169,880)	(495,780)

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Low Fuel Sensitivity		**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	3,901,819	7,428,329	10,882,538	14,126,224	17,134,626	19,981,916	22,812,902	25,493,592	28,083,562	30,651,590
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	3,901,819	7,428,329	10,882,538	14,126,224	17,134,626	19,981,916	22,812,902	25,493,592	28,253,440	31,344,046
	Low Reference Fuel Cost with No CO2	-	-	-	-	-	-	-	-	(169,878)	(692,456)
		2007	*2008*	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	3,901,819	7,428,329	10,882,538	14,126,224	17,134,626	20,218,010	23,283,128	26,188,158	29,011,558	31,809,416
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	3,901,819	7,428,329	10,882,538	14,126,224	17,134,626	20,218,010	23,283,128	26,188,158	29,181,436	32,483,324
	Low Reference Fuel Cost with Bingaman Specter CO2	-	-	-	-	-	-	-	-	(169,878)	(673,908)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	*ACCUMULATED PRESENT VALUE UTILITY COST*	3,901,819	7,428,329	10,882,538	14,126,224	17,134,626	19,981,916	22,812,902	25,493,592	28,422,702	31,330,914
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	3,901,819	7,428,329	10,882,538	14,126,224	17,134,626	19,981,916	22,812,902	25,493,592	28,592,580	31,994,316
	Low Reference Fuel Cost with EPA No CCS CO2	-	-	-	-	-	-	-	-	(169,878)	(663,402)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	3,901,819	7,428,329	10,882,538	14,126,224	17,896,028	21,483,882	25,031,918	28,383,450	31,680,470	34,932,748
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	3,901,819	7,428,329	10,882,538	14,126,224	17,896,028	21,483,882	25,031,918	28,383,450	31,850,348	35,564,388
	Low Reference Fuel Cost with MIT Mid CO2	-	-	-	-	-	-	-	-	(169,878)	(631,640)
		2007	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	3,901,819	7,428,329	10,882,538	14,126,224	17,134,626	19,981,916	22,812,902	25,493,592	28,977,896	32,413,284
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	3,901,819	7,428,329	10,882,538	14,126,224	17,134,626	19,981,916	22,812,902	25,493,592	29,147,774	33,028,476
	Low Reference Fuel Cost with Lieberman Warner CO2	-	-	-	-	-	-	-	-	(169,878)	(615,192)

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Mid Reference Fuel		**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	36,801,036	39,571,004	42,254,344	44,887,096	47,425,624	49,838,160	52,219,876	54,462,828	56,644,900	58,702,964
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	38,147,504	41,617,872	44,888,000	47,951,392	50,846,132	53,560,468	56,134,508	58,558,772	60,841,992	63,001,192
	Mid Reference Fuel Cost with No CO2	(1,346,468)	(2,046,868)	(2,633,656)	(3,064,296)	(3,420,508)	(3,722,308)	(3,914,632)	(4,095,944)	(4,197,092)	(4,298,228)
		2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	38,275,432	41,295,544	44,237,636	47,127,136	49,928,564	52,603,944	55,250,120	57,758,896	60,211,476	62,537,760
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	39,548,256	43,197,928	46,655,572	49,908,132	52,999,752	55,910,600	58,686,544	61,314,940	63,809,124	66,179,088
	Mid Reference Fuel Cost with Bingaman Specter CO2	(1,272,824)	(1,902,384)	(2,417,936)	(2,780,996)	(3,071,188)	(3,306,656)	(3,436,424)	(3,556,044)	(3,597,648)	(3,641,328)
		2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	37,892,896	41,039,432	44,112,960	47,131,164	50,065,884	52,873,516	55,650,800	58,287,700	60,865,356	63,321,932
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	39,126,960	42,865,004	46,416,292	49,761,948	52,951,868	55,959,904	58,834,216	61,559,472	64,149,968	66,620,596
	Mid Reference Fuel Cost with EPA No CCS CO2	(1,234,064)	(1,825,572)	(2,303,332)	(2,630,784)	(2,885,984)	(3,086,388)	(3,183,416)	(3,271,772)	(3,284,612)	(3,298,664)
		2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	42,068,504	45,584,676	49,038,328	52,419,864	55,727,980	58,898,536	62,033,704	65,027,992	67,958,392	70,756,664
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	43,174,400	47,162,412	50,972,084	54,571,812	58,023,224	61,284,148	64,416,464	67,403,080	70,262,768	72,992,600
	Mid Reference Fuel Cost with MIT Mid CO2	(1,105,896)	(1,577,736)	(1,933,756)	(2,151,948)	(2,295,244)	(2,385,612)	(2,382,760)	(2,375,088)	(2,304,376)	(2,235,936)
		2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	39,630,568	43,329,404	46,976,016	50,532,444	54,033,716	57,399,240	60,728,704	63,919,148	67,047,652	70,056,256
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	40,662,584	44,764,860	48,694,936	52,410,916	55,996,352	59,393,072	62,669,128	65,802,616	68,816,248	71,710,136
	Mid Reference Fuel Cost with Lieberman Warner CO2	(1,032,016)	(1,435,456)	(1,718,920)	(1,878,472)	(1,962,636)	(1,993,832)	(1,940,424)	(1,883,468)	(1,768,596)	(1,653,880)
High Fuel Sensitivity		**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	41,914,780	45,211,096	48,438,008	51,605,864	54,689,808	57,623,724	60,532,508	63,298,740	66,003,736	68,582,432
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	42,993,968	46,754,972	50,332,996	53,704,976	56,921,256	59,942,456	62,837,744	65,586,824	68,203,752	70,701,448
	High Reference Fuel Cost with No CO2	(1,079,188)	(1,543,876)	(1,894,988)	(2,099,112)	(2,231,448)	(2,318,732)	(2,305,236)	(2,288,084)	(2,200,016)	(2,119,016)
		2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	43,399,744	46,947,440	50,433,728	53,858,756	57,205,832	60,403,008	63,576,724	66,609,476	69,585,960	72,433,912
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	44,406,700	48,348,692	52,115,696	55,678,148	59,092,428	62,311,692	65,410,360	68,365,280	71,195,392	73,905,912
	High Reference Fuel Cost with Bingaman Specter CO2	(1,006,956)	(1,401,252)	(1,681,968)	(1,819,392)	(1,886,596)	(1,908,684)	(1,833,636)	(1,755,804)	(1,609,432)	(1,472,000)
		2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	43,021,948	46,698,472	50,317,896	53,873,404	57,355,876	60,688,156	63,995,660	67,159,392	70,264,216	73,245,288
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	43,992,800	48,027,568	51,891,580	55,550,664	59,066,792	62,387,708	65,589,076	68,645,160	71,576,016	74,391,752
	High Reference Fuel Cost with EPA No CCS CO2	(970,852)	(1,329,096)	(1,573,684)	(1,677,260)	(1,710,916)	(1,699,552)	(1,593,416)	(1,485,768)	(1,311,800)	(1,146,464)
		2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	47,351,364	51,421,164	55,438,352	59,381,456	63,255,092	66,973,908	70,666,248	74,213,176	77,704,768	81,059,000
All Gas	*ACCUMULATED PRESENT VALUE UTILITY COST*	*48,204,884*	*52,522,424*	*56,675,836*	*60,621,572*	*64,431,612*	*68,042,888*	*71,538,920*	*74,890,304*	*78,123,808*	*81,233,584*
	High Reference Fuel Cost with MIT Mid CO2	(853,520)	(1,101,260)	(1,237,484)	(1,240,116)	(1,176,520)	(1,068,980)	(872,672)	(677,128)	(419,040)	(174,584)
		2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	44,906,656	49,191,516	53,423,700	57,570,932	61,664,276	65,608,504	69,530,296	73,307,616	77,031,016	80,630,776
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	45,693,360	50,163,588	54,471,720	58,567,384	62,541,444	66,320,588	69,991,824	73,520,024	76,933,472	80,233,792
	High Reference Fuel Cost with Lieberman Warner CO2	(786,704)	(972,072)	(1,048,020)	(996,452)	(877,168)	(712,084)	(461,528)	(212,408)	97,544	396,984

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Low Fuel Sensitivity		**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	33,197,772	35,614,188	37,937,896	40,221,328	42,407,004	44,483,940	46,530,500	48,443,472	50,297,964	52,033,604
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	34,713,168	37,980,140	41,039,684	43,894,236	46,574,312	49,083,712	51,446,472	53,658,968	55,726,152	57,668,632
	Low Reference Fuel Cost with No CO2	(1,515,396)	(2,365,952)	(3,101,788)	(3,672,908)	(4,167,308)	(4,599,772)	(4,915,972)	(5,215,496)	(5,428,188)	(5,635,028)
		2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	34,585,804	37,236,320	39,807,844	42,332,464	44,771,264	47,098,384	49,394,132	51,559,312	53,666,024	55,652,680
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	36,026,160	39,453,780	42,682,952	45,707,536	48,566,040	51,250,360	53,792,928	56,189,288	58,448,132	60,581,520
	Low Reference Fuel Cost with Bingaman Specter CO2	(1,440,356)	(2,217,460)	(2,875,108)	(3,375,072)	(3,794,776)	(4,151,976)	(4,398,796)	(4,629,976)	(4,782,108)	(4,928,840)
		2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	34,221,020	36,985,536	39,681,572	42,322,512	44,882,812	47,328,276	49,738,828	52,015,556	54,230,704	56,331,352
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	35,615,828	39,113,868	42,418,184	45,516,428	48,456,540	51,220,644	53,845,696	56,325,060	58,668,756	60,890,908
	Low Reference Fuel Cost with EPA No CCS CO2	(1,394,808)	(2,128,332)	(2,736,612)	(3,193,916)	(3,573,728)	(3,892,368)	(4,106,868)	(4,309,504)	(4,438,052)	(4,559,556)
		2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	38,149,816	41,239,668	44,273,224	47,234,688	50,128,300	52,901,028	55,635,140	58,237,120	60,779,708	63,199,148
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	39,418,340	43,124,164	46,648,692	49,965,196	53,138,416	56,130,832	58,992,252	61,712,792	64,310,160	66,779,208
	Low Reference Fuel Cost with MIT Mid CO2	(1,268,524)	(1,884,496)	(2,375,468)	(2,730,508)	(3,010,116)	(3,229,804)	(3,357,112)	(3,475,672)	(3,530,452)	(3,580,060)
		2017	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	35,808,320	39,075,560	42,292,772	45,424,048	48,505,168	51,469,124	54,396,792	57,194,084	59,932,472	62,560,960
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	37,010,244	40,830,556	44,475,056	47,907,708	51,212,340	54,338,236	57,341,276	60,205,760	62,953,940	65,584,208
	Low Reference Fuel Cost with Lieberman Warner CO2	(1,201,924)	(1,754,996)	(2,182,284)	(2,483,660)	(2,707,172)	(2,869,112)	(2,944,484)	(3,011,676)	(3,021,468)	(3,023,248)

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Mid Reference Fuel		**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	60,729,108	62,653,832	64,510,232	66,278,140	68,020,344	69,684,552	71,311,120	72,853,088	74,373,536	75,850,432
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	65,059,292	67,047,176	68,937,280	70,752,624	72,483,328	74,137,240	75,743,832	77,299,848	78,795,248	80,244,056
	Mid Reference Fuel Cost with No CO2	*(4,330,184)*	*(4,393,344)*	*(4,427,048)*	*(4,474,484)*	*(4,462,984)*	*(4,452,688)*	*(4,432,712)*	*(4,446,760)*	*(4,421,712)*	*(4,393,624)*
		2027	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	64,836,604	67,037,160	69,173,728	71,222,616	73,251,680	75,207,888	77,127,800	78,966,240	80,786,960	82,565,184
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	68,454,376	70,660,848	72,775,960	74,814,384	76,776,464	78,667,584	80,513,960	82,310,608	84,054,672	85,754,656
	Mid Reference Fuel Cost with Bingaman Specter CO2	(3,617,772)	(3,623,688)	(3,602,232)	(3,591,768)	(3,524,784)	(3,459,696)	(3,386,160)	(3,344,368)	(3,267,712)	(3,189,472)
		2027	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	*ACCUMULATED PRESENT VALUE UTILITY COST*	*65,755,884*	*68,094,448*	*70,371,000*	*72,558,768*	*74,733,056*	*76,838,928*	*78,906,712*	*80,891,312*	*82,855,856*	*84,780,608*
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	69,002,392	71,316,488	73,542,304	75,688,008	77,763,856	79,774,848	81,741,752	83,654,328	85,517,768	87,339,424
	Mid Reference Fuel Cost with EPA No CCS CO2	(3,246,508)	(3,222,040)	(3,171,304)	(3,129,240)	(3,030,800)	(2,935,920)	(2,835,040)	(2,763,016)	(2,661,912)	(2,558,816)
		2027	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	73,521,264	76,188,312	78,793,392	81,302,360	83,793,656	86,216,184	88,591,512	90,882,624	93,153,736	95,374,664
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	75,642,120	78,209,824	80,696,768	83,090,752	85,420,448	87,690,144	89,908,224	92,063,328	94,179,456	96,245,712
	Mid Reference Fuel Cost with MIT Mid CO2	(2,120,856)	(2,021,512)	(1,903,376)	(1,788,392)	(1,626,792)	(1,473,960)	(1,316,712)	(1,180,704)	(1,025,720)	(871,048)
		2027	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	73,041,240	75,938,896	78,783,496	81,533,528	84,293,816	87,010,536	89,690,496	92,300,464	94,900,336	97,456,752
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	74,538,984	77,287,680	79,966,096	82,546,136	85,090,232	87,598,760	90,065,256	92,471,608	94,857,640	97,201,928
	Mid Reference Fuel Cost with Lieberman Warner CO2	(1,497,744)	(1,348,784)	(1,182,600)	(1,012,608)	(796,416)	(588,224)	(374,760)	(171,144)	42,696	256,824
High Fuel Sensitivity		**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	71,122,680	73,544,216	75,894,824	78,142,040	80,355,904	82,488,608	84,576,176	86,563,192	88,534,280	90,449,376
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	73,099,152	75,414,992	77,637,216	79,774,720	81,826,608	83,806,632	85,736,728	87,605,760	89,427,416	91,195,560
	High Reference Fuel Cost with No CO2	(1,976,472)	(1,870,776)	(1,742,392)	(1,632,680)	(1,470,704)	(1,318,024)	(1,160,552)	(1,042,568)	(893,136)	(746,184)
		2027	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	75,248,048	77,946,632	80,578,744	83,107,488	85,609,296	88,034,656	90,417,552	92,702,040	94,975,736	97,195,568
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	76,522,992	79,059,680	81,509,024	83,871,896	86,157,528	88,377,240	90,549,528	92,662,304	94,735,808	96,758,216
	High Reference Fuel Cost with Bingaman Specter CO2	(1,274,944)	(1,113,048)	(930,280)	(764,408)	(548,232)	(342,584)	(131,976)	39,736	239,928	437,352
		2027	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	76,197,960	79,037,952	81,812,760	84,481,384	87,131,352	*89,709,744*	*92,247,048*	*94,685,056*	*97,110,856*	*99,489,336*
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	77,119,920	79,769,320	82,333,712	84,808,472	87,214,192	89,559,088	91,857,936	94,096,408	96,296,536	98,451,264
	High Reference Fuel Cost with EPA No CCS CO2	(921,960)	(731,368)	(520,952)	(327,088)	(82,840)	150,656	389,112	588,648	814,320	1,038,072
		2027	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	84,381,816	87,587,984	90,727,008	93,753,496	96,759,872	99,692,896	102,580,264	105,365,656	108,138,472	110,855,488
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	84,257,280	87,197,776	90,055,416	92,816,088	95,510,656	98,145,120	100,730,624	103,252,112	105,740,072	108,177,072
	High Reference Fuel Cost with MIT Mid CO2	124,536	390,208	671,592	937,408	1,249,216	1,547,776	1,849,640	2,113,544	2,398,400	2,678,416
		2027	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	84,213,032	87,686,624	91,099,648	94,401,472	97,709,080	100,966,808	104,185,448	107,310,000	110,425,528	113,489,152
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	83,461,424	86,611,208	89,687,080	92,660,992	95,592,896	98,486,424	101,341,144	104,129,992	106,901,392	109,625,976
	High Reference Fuel Cost with Lieberman Warner CO2	751,608	1,075,416	1,412,568	1,740,480	2,116,184	2,480,384	2,844,304	3,180,008	3,524,136	3,863,176

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Low Fuel Sensitivity		**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	53,737,200	55,347,096	56,887,804	58,348,344	59,783,580	61,141,336	62,463,932	63,710,040	64,929,104	66,109,952
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	59,507,428	61,280,768	62,952,192	64,554,040	66,069,004	67,502,512	68,890,232	70,231,544	71,502,880	72,731,136
	Low Reference Fuel Cost with No CO2	(5,770,228)	(5,933,672)	(6,064,388)	(6,205,696)	(6,285,424)	(6,361,176)	(6,426,300)	(6,521,504)	(6,573,776)	(6,621,184)
		2027	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	57,606,584	59,470,612	61,270,376	62,989,584	64,687,116	66,311,824	67,899,064	69,413,040	70,903,464	72,354,208
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	62,622,676	64,592,816	66,470,884	68,273,688	69,998,824	71,650,288	73,255,488	74,810,152	76,306,480	77,758,936
	Low Reference Fuel Cost with Bingaman Specter CO2	(5,016,092)	(5,122,204)	(5,200,508)	(5,284,104)	(5,311,708)	(5,338,464)	(5,356,424)	(5,397,112)	(5,403,016)	(5,404,728)
		2027	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	58,403,072	60,388,256	62,311,784	64,153,244	65,980,020	67,739,704	69,461,320	71,110,400	72,734,832	74,324,160
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	63,027,808	65,092,688	67,069,412	68,966,456	70,794,256	72,555,168	74,269,592	75,930,672	77,537,080	79,103,480
	Low Reference Fuel Cost with EPA No CCS CO2	(4,624,736)	(4,704,432)	(4,757,628)	(4,813,212)	(4,814,236)	(4,815,464)	(4,808,272)	(4,820,272)	(4,802,248)	(4,779,320)
		2027	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	65,583,972	67,882,360	70,121,920	72,276,104	74,413,744	76,485,704	78,511,824	80,465,848	82,395,480	84,279,616
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	69,169,424	71,479,112	73,707,368	75,845,712	77,920,312	79,933,712	81,894,968	83,795,128	85,651,096	87,458,920
	Low Reference Fuel Cost with MIT Mid CO2	(3,585,452)	(3,596,752)	(3,585,448)	(3,569,608)	(3,506,568)	(3,448,008)	(3,383,144)	(3,329,280)	(3,255,616)	(3,179,304)
		2027	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	65,164,880	67,692,632	70,170,536	72,564,184	74,967,712	77,329,512	79,654,888	81,921,464	84,172,544	86,386,792
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	68,151,256	70,639,352	73,056,392	75,378,496	77,662,280	79,907,400	82,108,888	84,251,808	86,368,744	88,443,800
	Low Reference Fuel Cost with Lieberman Warner CO2	(2,986,376)	(2,946,720)	(2,885,856)	(2,814,312)	(2,694,568)	(2,577,888)	(2,454,000)	(2,330,344)	(2,196,200)	(2,057,008)

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Mid Reference Fuel		2037	2038	2039	2040	2041	2042	2043	2044	2045
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	77,346,272	78,747,816	80,060,728	81,288,048	82,441,744	83,521,392	84,571,888	85,571,944	86,509,064
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	81,706,504	83,071,544	84,344,528	85,535,480	86,651,792	87,697,888	88,716,352	89,681,768	90,586,328
	Mid Reference Fuel Cost with No CO2	(4,360,232)	(4,323,728)	(4,283,800)	(4,247,432)	(4,210,048)	(4,176,496)	(4,144,464)	(4,109,824)	(4,077,264)
		2037	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	84,384,544	86,106,992	87,737,560	89,279,864	90,744,296	92,132,056	93,488,496	94,792,944	96,031,008
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	87,492,400	89,130,448	90,674,328	92,133,568	93,515,040	94,823,464	96,103,248	97,330,184	98,493,528
	Mid Reference Fuel Cost with Bingaman Specter CO2	(3,107,856)	(3,023,456)	(2,936,768)	(2,853,704)	(2,770,744)	(2,691,408)	(2,614,752)	(2,537,240)	(2,462,520)
		2037	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	86,758,512	88,635,784	90,416,928	92,104,712	93,717,856	95,255,168	96,762,424	98,216,952	99,602,328
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	89,213,064	90,983,520	92,655,976	94,238,776	95,745,848	97,180,720	98,587,840	99,942,064	101,230,256
	Mid Reference Fuel Cost with EPA No CCS CO2	(2,454,552)	(2,347,736)	(2,239,048)	(2,134,064)	(2,027,992)	(1,925,552)	(1,825,416)	(1,725,112)	(1,627,928)
		2037	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	97,671,408	99,856,368	101,936,184	103,914,920	105,807,984	107,615,632	109,389,408	111,108,176	112,753,640
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	98,386,480	100,415,712	102,339,768	104,167,416	105,909,808	107,572,352	109,204,368	110,782,384	112,290,880
	Mid Reference Fuel Cost with MIT Mid CO2	(715,072)	(559,344)	(403,584)	(252,496)	(101,824)	43,280	185,040	325,792	462,760
		2037	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	100,131,368	102,689,096	105,136,448	107,475,512	109,737,176	111,917,440	114,069,736	116,169,744	118,191,528
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	99,657,880	102,000,880	104,234,328	106,364,568	108,416,208	110,392,120	112,343,296	114,244,096	116,070,728
	Mid Reference Fuel Cost with Lieberman Warner CO2	473,488	688,216	902,120	1,110,944	1,320,968	1,525,320	1,726,440	1,925,648	2,120,800
High Fuel Sensitivity		**2037**	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	92,409,840	94,253,736	95,987,648	97,610,944	99,142,192	100,580,072	101,971,056	103,298,216	104,546,368
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	93,007,512	94,704,920	96,293,848	97,781,296	99,180,296	100,495,648	101,768,000	102,978,376	104,114,624
	High Reference Fuel Cost with No CO2	(597,672)	(451,184)	(306,200)	(170,352)	(38,104)	84,424	203,056	319,840	431,744
		2037	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	99,482,592	101,650,528	103,706,072	105,649,864	107,499,000	109,252,784	110,959,224	112,601,872	114,163,944
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	98,847,024	100,819,152	102,680,032	104,438,920	106,106,528	107,689,144	109,230,472	110,709,256	112,112,856
	High Reference Fuel Cost with Bingaman Specter CO2	635,568	831,376	1,026,040	1,210,944	1,392,472	1,563,640	1,728,752	1,892,616	2,051,088
		2037	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	101,948,560	104,287,224	106,509,848	108,615,664	110,630,824	112,552,304	114,426,584	116,234,488	117,956,960
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	100,686,224	102,803,272	104,805,544	106,702,064	108,510,280	110,235,016	111,919,408	113,539,232	115,079,936
	High Reference Fuel Cost with EPA No CCS CO2	1,262,336	1,483,952	1,704,304	1,913,600	2,120,544	2,317,288	2,507,176	2,695,256	2,877,024
		2037	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	113,669,064	116,349,680	118,903,040	121,330,608	123,653,072	125,870,984	128,031,768	130,117,720	132,109,296
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	110,713,192	113,121,112	115,405,464	117,575,472	119,646,040	121,623,128	123,552,408	125,412,496	127,186,024
	High Reference Fuel Cost with MIT Mid CO2	2,955,872	3,228,568	3,497,576	3,755,136	4,007,032	4,247,856	4,479,360	4,705,224	4,923,272
		2037	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	116,683,008	119,739,552	122,662,232	125,450,232	128,140,872	130,729,920	133,267,560	135,733,472	138,101,888
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	112,485,808	115,212,832	117,811,336	120,287,496	122,668,816	124,959,800	127,207,648	129,390,408	131,484,288
	High Reference Fuel Cost with Lieberman Warner CO2	4,197,200	4,526,720	4,850,896	5,162,736	5,472,056	5,770,120	6,059,912	6,343,064	6,617,600

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Low Fuel Sensitivity		**2037**	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	67,290,896	68,389,944	69,413,176	70,365,520	71,254,472	72,081,824	72,889,336	73,653,232	74,364,248
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	73,953,816	75,088,592	76,142,072	77,123,776	78,039,696	78,893,920	79,726,920	80,512,296	81,244,704
	Low Reference Fuel Cost with No CO2	(6,662,920)	(6,698,648)	(6,728,896)	(6,758,256)	(6,785,224)	(6,812,096)	(6,837,584)	(6,859,064)	(6,880,456)
		2037	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	73,830,760	75,221,328	76,533,232	77,771,480	78,943,344	80,050,840	81,139,856	82,187,512	83,181,464
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	79,230,960	80,612,312	81,910,032	83,133,256	84,287,728	85,378,056	86,448,360	87,473,720	88,445,376
	Low Reference Fuel Cost with Bingaman Specter CO2	(5,400,200)	(5,390,984)	(5,376,800)	(5,361,776)	(5,344,384)	(5,327,216)	(5,308,504)	(5,286,208)	(5,263,912)
		2037	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	75,955,048	77,498,080	78,959,112	80,341,680	81,661,408	82,918,040	84,156,704	85,352,960	86,491,632
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	80,704,704	82,214,168	83,637,104	84,981,336	86,259,800	87,475,184	88,671,232	89,821,576	90,914,480
	Low Reference Fuel Cost with EPA No CCS CO2	(4,749,656)	(4,716,088)	(4,677,992)	(4,639,656)	(4,598,392)	(4,557,144)	(4,514,528)	(4,468,616)	(4,422,848)
		2037	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	86,225,384	88,071,968	89,827,648	91,497,088	93,092,312	94,614,528	96,112,256	97,563,016	98,950,128
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	89,322,720	91,086,168	92,755,504	94,338,424	95,845,672	97,281,936	98,693,168	100,055,424	101,352,448
	Low Reference Fuel Cost with MIT Mid CO2	(3,097,336)	(3,014,200)	(2,927,856)	(2,841,336)	(2,753,360)	(2,667,408)	(2,580,912)	(2,492,408)	(2,402,320)
		2037	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	88,699,008	90,905,976	93,014,992	95,029,352	96,977,232	98,856,248	100,712,720	102,525,208	104,271,592
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	90,609,424	92,668,224	94,625,968	96,488,888	98,282,848	100,009,096	101,712,560	103,371,464	104,964,288
	Low Reference Fuel Cost with Lieberman Warner CO2	(1,910,416)	(1,762,248)	(1,610,976)	(1,459,536)	(1,305,616)	(1,152,848)	(999,840)	(846,256)	(692,696)

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Mid Reference Fuel		**2046**	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	87,404,472	88,265,712	89,072,968	89,830,088	90,556,536	91,240,048	91,879,064	92,495,272	93,074,056
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	91,431,496	92,223,336	92,967,080	93,660,440	94,313,624	94,924,520	95,498,736	96,038,920	96,552,656
	Mid Reference Fuel Cost with No CO2	*(4,027,024)*	*(3,957,624)*	*(3,894,112)*	*(3,830,352)*	*(3,757,088)*	*(3,684,472)*	*(3,619,672)*	*(3,543,648)*	*(3,478,600)*
		2046	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	97,227,784	98,386,568	99,488,360	100,537,720	101,553,488	102,523,760	103,446,968	104,343,208	105,200,208
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	99,594,112	100,637,624	101,630,912	102,570,768	103,467,600	104,320,032	105,134,072	105,910,352	106,658,664
	Mid Reference Fuel Cost with Bingaman Specter CO2	(2,366,328)	(2,251,056)	(2,142,552)	(2,033,048)	(1,914,112)	(1,796,272)	(1,687,104)	(1,567,144)	(1,458,456)
		2046	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	100,951,872	102,263,096	103,515,136	104,711,104	105,868,728	106,974,424	108,025,776	109,041,624	110,009,472
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	102,457,504	103,627,704	104,746,088	105,807,360	106,821,768	107,786,416	108,706,712	109,582,064	110,422,544
	Mid Reference Fuel Cost with EPA No CCS CO2	(1,505,632)	(1,364,608)	(1,230,952)	(1,096,256)	(953,040)	(811,992)	(680,936)	(540,440)	(413,072)
		2046	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	114,357,064	115,911,704	117,398,904	118,823,120	120,203,256	121,524,464	122,785,256	124,004,456	125,172,056
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	113,728,472	115,100,352	116,414,656	117,665,280	118,864,608	120,008,552	121,103,888	122,149,088	123,155,872
	Mid Reference Fuel Cost with MIT Mid CO2	628,592	811,352	984,248	1,157,840	1,338,648	1,515,912	1,681,368	1,855,368	2,016,184
		2046	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	120,193,168	122,142,864	124,027,848	125,847,840	127,621,448	129,321,808	130,946,352	132,513,384	134,014,136
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	117,838,032	119,538,088	121,183,736	122,761,976	124,286,016	125,743,072	127,139,456	128,471,640	129,752,264
	Mid Reference Fuel Cost with Lieberman Warner CO2	2,355,136	2,604,776	2,844,112	3,085,864	3,335,432	3,578,736	3,806,896	4,041,744	4,261,872
High Fuel Sensitivity		**2046**	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	105,737,056	106,876,496	107,949,232	108,955,624	109,919,344	110,828,960	111,680,576	112,500,120	113,271,880
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	105,178,160	106,176,784	107,118,080	107,994,600	108,823,688	109,600,744	110,330,888	111,021,704	111,678,456
	High Reference Fuel Cost with No CO2	558,896	699,712	831,152	961,024	1,095,656	1,228,216	1,349,688	1,478,416	1,593,424
		2046	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	115,668,224	117,118,808	118,500,120	119,814,464	121,083,000	122,295,848	123,449,160	124,565,744	125,633,760
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	113,442,072	114,702,816	115,904,776	117,040,624	118,126,576	119,158,648	120,143,408	121,085,096	121,992,072
	High Reference Fuel Cost with Bingaman Specter CO2	2,226,152	2,415,992	2,595,344	2,773,840	2,956,424	3,137,200	3,305,752	3,480,648	3,641,688
		2046	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	119,626,624	121,242,040	122,786,384	124,260,768	125,683,552	127,043,416	128,334,696	129,578,656	130,764,400
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	116,548,864	117,949,800	119,290,944	120,563,192	121,780,416	122,937,400	124,039,856	125,090,400	126,098,072
	High Reference Fuel Cost with EPA No CCS CO2	3,077,760	3,292,240	3,495,440	3,697,576	3,903,136	4,106,016	4,294,840	4,488,256	4,666,328
		2046	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	134,038,640	135,903,152	137,687,088	139,393,040	141,041,104	142,619,104	144,123,152	145,574,608	146,963,728
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	128,875,736	130,486,952	132,030,160	133,496,480	134,902,000	136,241,888	137,522,816	138,746,704	139,924,560
	High Reference Fuel Cost with MIT Mid CO2	5,162,904	5,416,200	5,656,928	5,896,560	6,139,104	6,377,216	6,600,336	6,827,904	7,039,168
		2046	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	140,430,784	142,703,984	144,900,032	147,019,232	149,078,128	151,052,480	152,937,456	154,752,816	156,491,824
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	133,505,360	135,455,424	137,341,744	139,149,808	140,895,344	142,562,992	144,160,144	145,685,760	147,154,400
	High Reference Fuel Cost with Lieberman Warner CO2	6,925,424	7,248,560	7,558,288	7,869,424	8,182,784	8,489,488	8,777,312	9,067,056	9,337,424

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Low Fuel Sensitivity		**2046**	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	75,043,352	75,698,208	76,307,904	76,877,352	77,423,696	77,934,920	78,410,032	78,868,816	79,297,088
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	81,926,480	82,562,200	83,156,080	83,708,272	84,225,232	84,706,776	85,157,632	85,578,216	85,977,528
	Low Reference Fuel Cost with No CO2	(6,883,128)	(6,863,992)	(6,848,176)	(6,830,920)	(6,801,536)	(6,771,856)	(6,747,600)	(6,709,400)	(6,680,440)
		2046	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	84,145,296	85,080,464	85,967,480	86,810,952	87,629,496	88,410,368	89,152,632	89,874,928	90,564,464
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	89,363,296	90,231,096	91,055,232	91,833,960	92,575,648	93,280,088	93,952,400	94,590,672	95,205,416
	Low Reference Fuel Cost with Bingaman Specter CO2	(5,218,000)	(5,150,632)	(5,087,752)	(5,023,008)	(4,946,152)	(4,869,720)	(4,799,768)	(4,715,744)	(4,640,952)
		2046	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	87,603,160	88,683,920	89,714,176	90,695,928	91,648,136	92,556,080	93,418,704	94,253,320	95,047,416
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	91,954,840	92,942,608	93,884,296	94,775,336	95,624,840	96,432,000	97,201,600	97,930,808	98,631,120
	Low Reference Fuel Cost with EPA No CCS CO2	(4,351,680)	(4,258,688)	(4,170,120)	(4,079,408)	(3,976,704)	(3,875,920)	(3,782,896)	(3,677,488)	(3,583,704)
		2046	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	100,298,784	101,609,544	102,862,480	104,061,104	105,225,512	106,339,616	107,403,000	108,433,096	109,419,688
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	102,586,640	103,760,272	104,883,328	105,950,800	106,973,024	107,948,000	108,881,576	109,770,552	110,628,096
	Low Reference Fuel Cost with MIT Mid CO2	(2,287,856)	(2,150,728)	(2,020,848)	(1,889,696)	(1,747,512)	(1,608,384)	(1,478,576)	(1,337,456)	(1,208,408)
		2046	**2047**	**2048**	**2049**	**2050**	**2051**	**2052**	**2053**	**2054**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	105,997,776	107,694,592	109,337,120	110,925,128	112,477,000	113,964,432	115,387,024	116,761,200	118,078,240
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	106,506,632	107,995,256	109,436,856	110,821,896	112,159,856	113,439,232	114,666,232	115,835,928	116,963,656
	Low Reference Fuel Cost with Lieberman Warner CO2	(508,856)	(300,664)	(99,736)	103,232	317,144	525,200	720,792	925,272	1,114,584

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Mid Reference Fuel		**2055**	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	93,630,128	94,149,920	94,651,096	95,119,448	95,561,160	95,977,776	96,376,712	96,753,208	97,117,336
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	97,036,608	97,492,408	97,920,288	98,332,080	98,718,976	99,094,616	99,445,080	99,778,056	100,101,280
	Mid Reference Fuel Cost with No CO2	(3,406,480)	(3,342,488)	(3,269,192)	(3,212,632)	(3,157,816)	(3,116,840)	(3,068,368)	(3,024,848)	(2,983,944)
		2055	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	106,031,824	106,824,472	107,595,848	108,332,192	109,038,936	109,720,184	110,380,760	111,014,664	111,636,968
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	107,374,496	108,059,528	108,714,352	109,350,424	109,959,872	110,557,400	111,126,584	111,674,936	112,214,400
	Mid Reference Fuel Cost with Bingaman Specter CO2	(1,342,672)	(1,235,056)	(1,118,504)	(1,018,232)	(920,936)	(837,216)	(745,824)	(660,272)	(577,432)
		2055	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	110,942,168	111,826,088	112,678,320	113,484,888	114,251,072	114,981,296	115,679,968	116,341,656	116,981,872
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	111,222,440	111,983,248	112,705,408	113,399,696	114,058,488	114,696,440	115,297,032	115,868,280	116,422,520
	Mid Reference Fuel Cost with EPA No CCS CO2	(280,272)	(157,160)	(27,088)	85,192	192,584	284,856	382,936	473,376	559,352
		2055	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	126,300,128	127,376,336	128,417,928	129,410,464	130,359,376	131,270,536	132,146,784	132,982,160	133,795,952
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	124,117,864	125,037,232	125,914,760	126,761,544	127,570,792	128,357,616	129,103,680	129,816,928	130,513,296
	Mid Reference Fuel Cost with MIT Mid CO2	2,182,264	2,339,104	2,503,168	2,648,920	2,788,584	2,912,920	3,043,104	3,165,232	3,282,656
		2055	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	135,459,104	136,837,088	138,164,976	139,427,024	140,629,968	141,780,752	142,880,416	143,922,880	144,931,056
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	130,973,904	132,139,736	133,251,456	134,318,400	135,334,912	136,316,736	137,243,200	138,124,800	138,979,984
	Mid Reference Fuel Cost with Lieberman Warner CO2	4,485,200	4,697,352	4,913,520	5,108,624	5,295,056	5,464,016	5,637,216	5,798,080	5,951,072
High Fuel Sensitivity		**2055**	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	114,010,616	114,702,808	115,369,272	115,992,552	116,581,856	117,139,088	117,670,056	118,173,688	118,656,848
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	112,296,064	112,878,568	113,428,088	113,952,768	114,447,712	114,926,616	115,373,296	115,798,960	116,210,440
	High Reference Fuel Cost with No CO2	1,714,552	1,824,240	1,941,184	2,039,784	2,134,144	2,212,472	2,296,760	2,374,728	2,448,408
		2055	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	126,666,552	127,650,528	128,606,440	129,517,744	130,392,040	131,233,280	132,044,632	132,824,144	133,584,656
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	122,858,088	123,686,912	124,480,512	125,248,664	125,984,896	126,704,104	127,388,120	128,047,496	128,692,624
	High Reference Fuel Cost with Bingaman Specter CO2	3,808,464	3,963,616	4,125,928	4,269,080	4,407,144	4,529,176	4,656,512	4,776,648	4,892,032
		2055	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	131,903,992	132,983,848	134,024,632	135,009,168	135,944,480	136,836,032	137,686,704	138,494,816	139,273,312
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	127,055,232	127,966,176	128,832,648	129,663,024	130,451,336	131,213,320	131,930,816	132,614,512	133,274,768
	High Reference Fuel Cost with EPA No CCS CO2	4,848,760	5,017,672	5,191,984	5,346,144	5,493,144	5,622,712	5,755,888	5,880,304	5,998,544
		2055	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	148,302,944	149,579,200	150,812,848	151,988,080	153,111,360	154,189,008	155,223,152	156,210,800	157,169,248
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	141,048,608	142,123,344	143,150,656	144,139,008	145,083,600	146,000,320	146,869,632	147,702,352	148,512,480
	High Reference Fuel Cost with MIT Mid CO2	7,254,336	7,455,856	7,662,192	7,849,072	8,027,760	8,188,688	8,353,520	8,508,448	8,656,768
		2055	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	158,164,288	159,758,848	161,294,608	162,755,488	164,146,960	165,478,432	166,748,096	167,953,904	169,118,016
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	148,555,936	149,895,280	151,173,360	152,398,032	153,565,312	154,691,616	155,755,408	156,768,496	157,748,608
	High Reference Fuel Cost with Lieberman Warner CO2	9,608,352	9,863,568	10,121,248	10,357,456	10,581,648	10,786,816	10,992,688	11,185,408	11,369,408

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Low Fuel Sensitivity		2055	2056	2057	2058	2059	2060	2061	2062	2063
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	79,710,024	80,093,496	80,464,080	80,808,552	81,131,896	81,435,304	81,726,992	82,000,328	82,265,528
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	86,353,280	86,705,712	87,034,544	87,352,728	87,649,712	87,939,224	88,208,344	88,462,880	88,710,736
	Low Reference Fuel Cost with No CO2	(6,643,256)	(6,612,216)	(6,570,464)	(6,544,176)	(6,517,816)	(6,503,920)	(6,481,352)	(6,462,552)	(6,445,208)
		2055	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	91,235,760	91,874,896	92,498,560	93,093,464	93,665,120	94,216,264	94,752,664	95,267,232	95,774,840
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	95,793,784	96,356,216	96,893,264	97,416,968	97,918,056	98,410,512	98,879,120	99,330,888	99,777,312
	Low Reference Fuel Cost with Bingaman Specter CO2	(4,558,024)	(4,481,320)	(4,394,704)	(4,323,504)	(4,252,936)	(4,194,248)	(4,126,456)	(4,063,656)	(4,002,472)
		2055	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	95,814,056	96,539,408	97,239,384	97,900,376	98,528,216	99,126,048	99,698,984	100,240,208	100,765,040
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	99,297,504	99,930,280	100,529,456	101,107,040	101,653,968	102,184,312	102,682,488	103,155,880	103,616,344
	Low Reference Fuel Cost with EPA No CCS CO2	(3,483,448)	(3,390,872)	(3,290,072)	(3,206,664)	(3,125,752)	(3,058,264)	(2,983,504)	(2,915,672)	(2,851,304)
		2055	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	110,374,744	111,285,984	112,169,040	113,010,504	113,816,368	114,591,016	115,337,848	116,049,736	116,744,784
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	111,448,648	112,233,112	112,981,920	113,706,704	114,399,304	115,073,664	115,712,784	116,325,160	116,924,512
	Low Reference Fuel Cost with MIT Mid CO2	(1,073,904)	(947,128)	(812,880)	(696,200)	(582,936)	(482,648)	(374,936)	(275,424)	(179,728)
		2055	**2056**	**2057**	**2058**	**2059**	**2060**	**2061**	**2062**	**2063**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	119,348,568	120,561,008	121,730,704	122,842,280	123,902,808	124,917,760	125,888,608	126,808,200	127,698,584
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	118,042,160	119,072,704	120,055,528	121,000,656	121,901,416	122,771,640	123,592,456	124,373,888	125,132,624
	Low Reference Fuel Cost with Lieberman Warner CO2	1,306,408	1,488,304	1,675,176	1,841,624	2,001,392	2,146,120	2,296,152	2,434,312	2,565,960

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Mid Reference Fuel		**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	97,457,512	97,783,928	98,018,728
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	100,411,360	100,703,320	100,907,152
	Mid Reference Fuel Cost with No CO2	(2,953,848)	(2,919,392)	(2,888,424)
		2064	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	112,231,160	112,813,288	113,305,792
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	112,736,088	113,237,696	113,648,608
	Mid Reference Fuel Cost with Bingaman Specter CO2	(504,928)	(424,408)	(342,816)
		2064	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	117,584,048	118,164,696	118,646,272
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	116,950,760	117,451,160	117,853,352
	Mid Reference Fuel Cost with EPA No CCS CO2	633,288	713,536	792,920
		2064	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	134,567,408	135,316,864	135,966,688
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	131,179,840	131,816,752	132,352,904
	Mid Reference Fuel Cost with MIT Mid CO2	3,387,568	3,500,112	3,613,784
		2064	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	145,881,152	146,797,408	147,602,496
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	139,791,664	140,562,944	141,222,240
	Mid Reference Fuel Cost with Lieberman Warner CO2	6,089,488	6,234,464	6,380,256
High Fuel Sensitivity		**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	119,112,608	119,547,808	119,887,008
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	116,602,592	116,973,184	117,251,792
	High Reference Fuel Cost with No CO2	2,510,016	2,574,624	2,635,216
		2064	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	134,310,448	135,016,240	135,626,160
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	129,314,528	129,911,680	130,413,768
	High Reference Fuel Cost with Bingaman Specter CO2	4,995,920	5,104,560	5,212,392
		2064	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	140,006,928	140,711,408	141,310,080
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	133,903,200	134,499,296	134,992,448
	High Reference Fuel Cost with EPA No CCS CO2	6,103,728	6,212,112	6,317,632
		2064	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	158,078,752	158,960,704	159,738,048
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	149,286,720	150,026,672	150,661,392
	High Reference Fuel Cost with MIT Mid CO2	8,792,032	8,934,032	9,076,656
		2064	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	170,216,128	171,275,504	172,219,424
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	158,678,144	159,561,536	160,327,856
	High Reference Fuel Cost with Lieberman Warner CO2	11,537,984	11,713,968	11,891,568

Attachment to White Springs 1st Request for POD's Question 5
Docket No. 080148-EI

Reference Case Comparison

Differential Revenue Requirements Sensitivity Analysis for LNP versus All Gas

Low Fuel Sensitivity		**2064**	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	82,512,192	82,748,712	82,897,320
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	88,950,160	89,174,208	89,313,600
	Low Reference Fuel Cost with No CO2	(6,437,968)	(6,425,496)	(6,416,280)
		2064	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	96,259,584	96,735,008	97,123,560
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	100,210,832	100,627,824	100,957,728
	Low Reference Fuel Cost with Bingaman Specter CO2	(3,951,248)	(3,892,816)	(3,834,168)
		2064	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	101,257,520	101,731,520	102,109,592
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	104,056,120	104,471,960	104,793,544
	Low Reference Fuel Cost with EPA No CCS CO2	(2,798,600)	(2,740,440)	(2,683,952)
		2064	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	117,404,096	118,044,192	118,588,072
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	117,499,632	118,049,392	118,502,608
	Low Reference Fuel Cost with MIT Mid CO2	(95,536)	(5,200)	85,464
		2064	**2065**	**2066**
Nuc	ACCUMULATED PRESENT VALUE UTILITY COST	128,537,560	129,345,360	130,045,552
All Gas	ACCUMULATED PRESENT VALUE UTILITY COST	125,853,728	126,538,648	127,115,856
	Low Reference Fuel Cost with Lieberman Warner CO2	2,683,832	2,806,712	2,929,696

PCS
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PROGRESS ENERGY FLORIDA, INC.
PROGRAM PARTICIPATION STANDARDS
INTERRUPTIBLE SERVICE PROGRAM

1. PROGRAM OVERVIEW

The Interruptible Service (IS) Program is a direct load control program that reduces PEF's demand during peak or emergency conditions. A load control switch is installed at the customer's premises allowing the load to be interrupted. PEF may interrupt the participant's service during periods of peak or emergency conditions. In return, the customer receives a credit on his monthly electric bill.

2. ELIGIBILITY REQUIREMENTS

1. Customer must be eligible for service under the IS-2 or IST-2 Rate Schedules.
2. The facility must be located in the PEF service territory and served by a metered PEF account.
3. Service is available at primary, transmission and secondary service voltages.
4. The customer must be a PEF non-residential customer.
5. The customer must not have load designated for use as a public shelter during periods of emergency or natural disaster by the appropriate governmental agency.

2.1 PARTICIPATION REQUIREMENTS

1. Participant must sign an agreement with PEF as to the terms and conditions of this service.
2. Average billing demand must be 500 kW or more.
3. Participant must allow PEF to install the required load control equipment.
4. Participant will be billed in accordance with the Interruptible Service tariffs.
5. Participant must agree to remain on this rate for a minimum initial term of five years from the commencement of service. To transfer to a non-interruptible rate schedule, the customer will be required to give PEF written notice at least thirty-six months prior to such transfer.
6. The participant must agree to have service interrupted during PEF capacity shortages.

3. INCENTIVES

Participants receive a credit based upon their monthly billing demand in accordance with the Interruptible Service Rate Schedules.

4. INCENTIVE PROCESSING

Participants receive a monthly credit on their electric bill.

5. REPORTING REQUIREMENTS

The reporting requirements for this program will follow Rule 25-17.0021(5), Florida Administrative Code.

RATE SCHEDULE IS-2
INTERRUPTIBLE GENERAL SERVICE

Availability:
Available throughout the entire territory served by the Company.

Applicability:
Applicable to customers, other than residential, for light and power purposes where the billing demand is 500 kW or more, and where service may be interrupted by the Company. For customer accounts established under this rate schedule after June 3, 2003, service is limited to premises at which an interruption of electric service will primarily affect only the customer, its employees, agents, lessees, tenants, or business guests, and will not significantly affect members of the general public, nor interfere with functions performed for the protection of public health or safety. Examples of premises at which service under this rate schedule may not be provided, unless adequate on-site backup generation is available, include, but are not limited to: retail businesses, offices, and governmental facilities open to members of the general public; stores; hotels; motels; convention centers; theme parks; schools; hospitals and health care facilities; designated public shelters; detention and correctional facilities; police and fire stations; and other similar facilities.

Character of Service:
Alternating current, 60 cycle, single-phase or three-phase, at the Company's standard voltage available.

Limitation of Service:
Standby or resale service not permitted hereunder. Interruptible service under this rate schedule is not subject to interruption during any time period for economic reasons. Interruptible service under this rate schedule is subject to interruption during any time period that electric power and energy delivered hereunder from the Company's available generating resources is required to a) maintain service to the Company's firm power customers and firm power sales commitments or b) supply emergency interchange service to another utility for its firm load obligations only. The Company will not make off-system purchases during such periods to maintain service to interruptible loads except under the conditions set forth in Special Provision No. 4 of this rate schedule.

Service under this rate is subject to the Company's currently effective and filed "General Rules and Regulations for Electric Service."

Rate per Month:

Customer Charge:

Secondary Metering Voltage:	$ 255.64
Primary Metering Voltage:	$ 379.34
Transmission Metering Voltage:	$ 907.50
Demand Charge:	$ 4.70 per kW of Billing Demand
Interruptible Demand Credit:	$ 3.08 per kW of Load Factor Adjusted Demand
Energy Charge:	
Non-Fuel Energy Charge:	0.650¢ per kWh
Plus the Cost Recovery Factors listed in Rate Schedule BA-1, *Billing Adjustments*, except the Fuel Cost Recovery Factor:	See Sheet No. 6.105 and 6.106

Premium Distribution Service Charge:
Where Premium Distribution Service has been established after 12/15/98 in accordance with Subpart 2.05, General Rules and Regulations Governing Electric Service, the Customer shall pay a monthly charge determined under Special Provision No. 5 of this rate schedule for the costs of all additional equipment, or the customer's allocated share thereof, installed to accomplish automatic delivery transfer including all line costs necessary to connect to an alternate distribution circuit.

In addition, the Demand Charge included in the Rate per Month section of this rate schedule shall be increased by $0.74 per kW for the cost of reserving capacity in the alternate distribution circuit.

Determination of Billing Demand:
The Billing Demand shall be the maximum 30-minute kW demand established during the billing period, but not less than 500 kW.

Determination of Load Factor Adjusted Demand:
The Load Factor Adjusted Demand shall be the product of the maximum 30-minute kW demand established during the current billing period and the customer's billing load factor (ratio of billing kWh to maximum 30-minute kW demand times the number of hours in the billing period).

Delivery Voltage Credit:
When a customer takes service under this rate at a delivery voltage above standard distribution secondary voltage, the Demand charge hereunder shall be subject to the following credit:

For Distribution Primary Delivery Voltage:	$0.27 per kW of Billing Demand
For Transmission Delivery Voltage:	$1.01 per kW of Billing Demand

(Continued on Page No. 2)

RATE SCHEDULE IS-2
INTERRUPTIBLE GENERAL SERVICE
(Continued from Page No. 1)

Metering Voltage Adjustment:
Metering voltage will be at the option of the Company. When the Company meters at a voltage above distribution secondary, the appropriate following reduction factor shall apply to the Non-Fuel Energy Charge, Demand Charge, Interruptible Demand Credit, and Delivery Voltage Credit hereunder:

Metering Voltage	Reduction Factor
Distribution Primary	1.0%
Transmission	2.0%

Power Factor:
Bills computed under the above rate per month charges will be increased 20¢ for each KVAR by which the reactive demand exceeds, numerically, .62 times the measured kW demand, and will be decreased 20¢ for each KVAR by which the reactive demand is less than, numerically, .62 times the measured kW demand.

Additional Charges:

Fuel Cost Recovery Factor:	See Sheet No. 6.105
Gross Receipts Tax Factor:	See Sheet No. 6.106
Right-of-Way Utilization Fee:	See Sheet No. 6.106
Municipal Tax:	See Sheet No. 6.106
Sales Tax:	See Sheet No. 6.106

Minimum Monthly Bill:
The minimum monthly bill shall be the Customer Charge and the Demand Charge for the current billing period. Where special equipment to serve the Customer is required, the Company may require a specified minimum charge.

Terms of Payment:
Bills rendered hereunder are payable within the time limit specified on bill at Company-designated locations.

Term of Service:
Service under this rate shall be for a minimum initial term of five (5) years from the commencement of service, and shall continue thereafter until terminated by either party by written notice sixty (60) days prior to termination.

Special Provisions:
1. When the Customer increases the electrical load, which increase requires the Company to increase facilities installed for the specific use of the Customer, a new Term of Service may be required under this rate at the option of the Company.

2. Customers taking service under another Company rate schedule who elect to transfer to this rate will be accepted by the Company on a first-come, first-served basis. Required equipment (metering, under-frequency relay, etc.) will be installed accordingly, subject to availability. Service under this rate schedule shall commence with the first full billing period following the date of equipment installation. Before commencement of service under this rate, the Company shall exercise an interruption for purposes of testing its equipment. The Company shall also have the right to exercise at least one additional interruption each calendar year irrespective of capacity availability or operating conditions. The Company will give the Customer notice of the test.

3. The Company may, under the provisions of this rate, at its option, require a special contract with the Customer upon the Company's filed contract form.

4. The Company will attempt to minimize interruption hereunder by purchasing power and energy from other sources during periods of normal interruption. The Company will also attempt to notify any Customer, desirous of such notice, in advance when such purchases are imminent or as soon as practical thereafter where advance notice is not feasible. Similar notification will be provided upon termination of such purchases. When the Company is successful in making such purchases, the Customer will be required to pay an additional charge, in lieu of the otherwise applicable energy charges (Non-Fuel Energy Charge, Capacity Cost Recovery Factor, and Fuel Cost Recovery Factor), provided hereunder, based on the Customer's proportionate share of the higher cost of such purchased energy, plus 3.0 mills per kWh. The cost of such purchased energy shall be based on the average cost of all purchased power and energy provided under this rate schedule and under similar provisions in Rate Schedules IS-1, IST-1, CS-1, CST-1, IST-2, CS-2, CST-2, CS-3, CST-3, SS-2, and SS-3 during the corresponding calendar month.

(Continued on Page No. 3)

RATE SCHEDULE IS-2
INTERRUPTIBLE GENERAL SERVICE
(Continued from Page No. 2)

Special Provisions (Continued)

In the event a Customer elects to interrupt irrespective of the availability of additional energy purchased by the Company during the period for which interruption would have otherwise occurred, the Customer will incur no responsibility for the payment of any additional cost of such energy.

5. The Company will furnish service under this rate at a single voltage. Equipment to supply additional voltages or additional facilities for the use of the Customer shall be furnished and maintained by the Customer. The Customer may request the Company to furnish such additional equipment, and the Company, at its sole option, may furnish, install, and maintain such additional equipment, charging the Customer for the use thereof at the rate of 1.67% per month of the installed cost of such additional equipment.

6. Customers taking service under this interruptible rate schedule who desire to transfer to a non-interruptible rate schedule will be required to give the Company written notice at least thirty-six (36) months prior to such transfer. Such notice shall be irrevocable unless the Company and the Customer shall mutually agree to void the revocation.

7. Service under this rate is not available if all or a part of the customer's load is designated by the appropriate governmental agency for use at a public shelter during periods of emergency or natural disaster.

8. Any customer who established a billing demand of less than 500 kW in any of the 12 billing periods preceding May 1, 2002, shall be advised by the Company that the minimum billing demand of 500 kW would not apply in the event the Customer exercises Special Provision No. 6 of this rate.

RATE SCHEDULE IST-2
INTERRUPTIBLE GENERAL SERVICE
OPTIONAL TIME OF USE RATE

Availability:
Available throughout the entire territory served by the Company.

Applicability:
At the option of the Customer, applicable to customers otherwise eligible for service under Rate Schedule IS-2, where the billing demand is 500 kW or more, provided that the total electric requirements at each point of delivery are measure through one meter. For customer accounts established under this rate schedule after, June 3, 2003, service is limited to premises at which an interruption of electric service will primarily affect only the customer, its employees, agents, lessees, tenants, or business guests, and will not significantly affect members of the general public, nor interfere with functions performed for the protection of public health or safety. Examples of premises at which service under this rate schedule may not be provided, unless adequate on-site backup generation is available, include, but are not limited to: retail businesses, offices, and governmental facilities open to members of the general public; stores; hotels; motels; convention centers; theme parks; schools; hospitals and health care facilities; designated public shelters; detention and correctional facilities; police and fire stations; and other similar facilities.

Character of Service:
Alternating current, 60 cycle, single-phase or three-phase, at the Company's standard voltage available.

Limitation of Service:
Standby or resale service not permitted hereunder. Interruptible service under this rate schedule is not subject to interruption during any time period for economic reasons. Interruptible service under this rate schedule is subject to interruption during any time period that electric power and energy delivered hereunder from the Company's available generating resources is required to a) maintain service to the Company's firm power customers and firm power sales commitments or b) supply emergency interchange service to another utility for its firm load obligations only. The Company will not make off-system purchases during such periods to maintain service to interruptible loads except under the conditions set forth in Special Provision No. 4 of this rate schedule.

Service under this rate is subject to the Company's currently effective and filed "General Rules and Regulations for Electric Service."

Rate per Month:

Customer Charge:		
Secondary Metering Voltage:	$	255.64
Primary Metering Voltage:	$	379.34
Transmission Metering Voltage:	$	907.50
Demand Charge:		
Base Demand Charge:	$	0.74 per kW of Base Demand
On-Peak Demand Charge:	$	4.11 per kW of On-Peak Demand
Interruptible Demand Credit:	$	3.08 per kW of Load Factor Adjusted Demand
Energy Charge:		
Non-Fuel Energy Charge:		0.922¢ On-Peak kWh 0.526¢ Off-Peak kWh
Plus the Cost Recovery Factors listed in Rate Schedule BA-1, *Billing Adjustments*, except the Fuel Cost Recovery Factor:		See Sheet No. 6.105 and 6.106

The On-Peak rate shall apply to energy used during designated On-Peak Periods. The Off-Peak rate shall apply to all other energy use.

Premium Distribution Service Charge:
Where Premium Distribution Service has been established after 12/15/98 in accordance with Subpart 2.05, General Rules and Regulations Governing Electric Service, the Customer shall pay a monthly charge determined under Special Provision No. 5 of this rate schedule for the costs of all additional equipment, or the customer's allocated share thereof, installed to accomplish automatic delivery transfer including all line costs necessary to connect to an alternate distribution circuit.

In addition, the Base Demand Charge included in the Rate per Month section of this rate schedule shall be increased by $0.74 per kW for the cost of reserving capacity in the alternate distribution circuit.

Rating Periods:

(a) **On-Peak Periods** - The designated On-Peak Periods expressed in terms of prevailing clock time shall be as follows:

(1) For the calendar months of November through March, Monday through Friday*: 6:00 a.m. to 10:00 a.m., and 6:00 p.m. to 10:00 p.m.

(2) For the calendar months of April through October, Monday through Friday*: 12:00 Noon to 9:00 p.m.

* The following general holidays shall be excluded from the On-Peak Periods: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas. In the event the holiday occurs on a Saturday or Sunday, the adjacent weekday shall be excluded from the On-Peak Periods.

(Continued on Page No. 2)

RATE SCHEDULE IST-2
INTERRUPTIBLE GENERAL SERVICE
OPTIONAL TIME OF USE RATE
(Continued from Page No. 1)

Rating Periods: (Continued)

(b) Off-Peak Periods - The designated Off-Peak Periods shall be all periods other than the designated On-Peak Periods set forth in (a) above.

Determination of Billing Demands:
The billing demands shall be the following:

(a) The Base Demand shall be the maximum 30-minute kW demand established during the current billing period, but not less than 500 kW.
(b) The On-Peak Demand shall be the maximum 30-minute kW demand established during designated On-Peak Periods during the current billing period.

Determination of Load Factor Adjusted Demand:
The Load Factor Adjusted Demand shall be the product of the maximum 30-minute kW demand established during the current billing period and the customer's billing load factor (ratio of billing kWh to maximum 30-minute kW demand times the number of hours in the billing period).

Delivery Voltage Credit:
When a customer takes service under this rate at a delivery voltage above standard distribution secondary voltage, the Base Demand charge hereunder shall be subject to the following credit:

For Distribution Primary Delivery Voltage:	$0.27 per kW of Billing Demand
For Transmission Delivery Voltage:	$1.01 per kW of Billing Demand

Note: In no event shall the total of the Demand Charges hereunder, after application of the above credit, be an amount less than zero.

Metering Voltage Adjustment:
Metering voltage will be at the option of the Company. When the Company meters at a voltage above distribution secondary, the appropriate following reduction factor shall apply to the Non-Fuel Energy Charge, Demand Charges, Interruptible Demand Credit, and Delivery Voltage Credit hereunder:

Metering Voltage	Reduction Factor
Distribution Primary	1.0%
Transmission	2.0%

Power Factor:
For Customers with measured demands of 1,000 kW or more for three (3) or more months out of the twelve (12) consecutive months ending with the current billing period, bills computed under the above rate per month charges will be increased 20¢ for each KVAR by which the reactive demand exceeds, numerically, .62 times the measured kW demand, and will be decreased 20¢ for each KVAR by which the reactive demand is less than, numerically, .62 times the measured kW demand.

Additional Charges:

Fuel Cost Recovery Factor:	See Sheet No. 6.105
Gross Receipts Tax Factor:	See Sheet No. 6.106
Right-of-Way Utilization Fee:	See Sheet No. 6.106
Municipal Tax:	See Sheet No. 6.106
Sales Tax:	See Sheet No. 6.106

Minimum Monthly Bill:
The minimum monthly bill shall be the Customer Charge and the Demand Charge for the current billing period.
Where special equipment to serve the Customer is required, the Company may require a specified minimum charge.

Terms of Payment:
Bills rendered hereunder are payable within the time limit specified on bill at Company-designated locations.

RATE SCHEDULE IST-2
INTERRUPTIBLE GENERAL SERVICE
OPTIONAL TIME OF USE RATE
(Continued from Page No. 2)

Term of Service:

For customers electing to take service hereunder in lieu of the otherwise applicable Rate Schedule IS-2, the term of service requirements under this optional rate schedule shall be the same as that required under Rate Schedule IS-2 provided, however, at a given location the Customer shall have the right during the initial term of service to transfer to the otherwise applicable Rate Schedule IS-2 at any time. It is further provided, however, that any such customer who subsequently re-elects to take service hereunder at the same location shall be required to remain on the optional rate at that location for a minimum term of twelve (12) months.

Special Provisions:

1. When the Customer increases his electrical load, which increase requires the Company to increase facilities installed for the specific use of the Customer, a new Term of Service may be required under this rate at the option of the Company.

2. Customers taking service under another Company rate schedule who elect to transfer to this rate will be accepted by the Company on a first-come, first-served basis. Required equipment (metering, under frequency relay, etc.) will be installed accordingly, subject to availability. Service under this rate schedule shall commence with the first full billing period following the date of equipment installation. Before commencement of service under this rate, the Company shall exercise an interruption for purposes of testing its equipment. The Company shall also have the right to exercise at least one additional interruption each calendar year irrespective of capacity availability or operating conditions. The Company will give the Customer notice of the test.

3. The Company may, under the provisions of this rate, at its option, require a special contract with the Customer upon the Company's filed contract form.

4. The Company will attempt to minimize interruption hereunder by purchasing power and energy from other sources during periods of normal interruption. The Company will also attempt to notify any Customer, desirous of such notice, in advance when such purchases are imminent or as soon as practical thereafter where advance notice is not feasible. Similar notification will be provided upon termination of such purchases. When the Company is successful in making such purchases, the Customer will be required to pay an additional charge, in lieu of the otherwise applicable energy charges (Non-Fuel Energy Charge, Capacity Cost Recovery Factor, and Fuel Cost Recovery Factor), provided hereunder, based on the Customer's proportionate share of the higher cost of such purchased energy, plus 3.0 mills per kWh. The cost of such purchased energy shall be based on the average cost of all purchased power and energy provided under this rate schedule and under similar provisions in Rate Schedules IS-1, IST-1, CS-1, CST-1, IS-2, CS-2, CST-2, CS-3, CST-3, SS-2, and SS-3 during the corresponding calendar month.

   In the event a Customer elects to interrupt irrespective of the availability of additional energy purchased by the Company during the period for which interruption would have otherwise occurred, the Customer will incur no responsibility for the payment of any additional cost of such energy.

5. The Company will furnish service under this rate at a single voltage. Equipment to supply additional voltages or additional facilities for the use of the Customer shall be furnished and maintained by the Customer. The Customer may request the Company to furnish such additional equipment, and the Company, at its sole option, may furnish, install, and maintain such additional equipment, charging the Customer for the use thereof at the rate of 1.67% per month of the installed cost of such additional equipment.

6. Customers taking service under this interruptible rate schedule who desire to transfer to a non-interruptible rate schedule will be required to give the Company written notice at least thirty-six (36) months prior to such transfer. Such notice shall be irrevocable unless the Company and the Customer shall mutually agree to void the revocation.

7. Service under this rate is not available if all or a part of the customer's load is designated by the appropriate governmental agency for use at a public shelter during periods of emergency or natural disaster.

8. Any customer who established a billing demand of less than 500 kW in any of the 12 billing periods preceding May 1, 2002, shall be advised by the Company that the minimum billing demand of 500 kW would not apply in the event the Customer exercises Special Provision No. 6 of this rate.

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Witness	Date	Docket No. and Name	Document No.	What
FLORIDA PUBLIC SERVICE COMMISSION				
Crisp, Ben	8/5/05	Docket 050078 Petition for Rate Increase by Progress Energy Florida, Inc.	07602-05	Rebuttal Testimony
Crisp, Ben	4/29/05	Docket 050078 Petition for Rate Increase by Progress Energy Florida, Inc.	04205-05	Direct Testimony
Crisp, Ben	1/16/07	Docket 060658 Petition on behalf of Citizens of the State of Florida to require Progress Energy Florida, Inc. to refund customers $143 million	00428-07	Direct Testimony
Crisp, Ben	4/13/07	Docket 060658 Petition on behalf of Citizens of the State of Florida to require Progress Energy Florida, Inc. to refund customers $143 million	03174-07	Hearing Transcript Vol. 7, pg. 886
Crisp, Ben	8/6/03	Undocketed: In the Matter of Ten-Year Site Plans of Electric Utilities		Presentation pg. 52
Kennedy, Michael	1/16/07	Docket 060658 Petition on behalf of Citizens of the State of Florida to require Progress Energy Florida, Inc. to refund customers $143 million	00415-07	Direct Testimony
Lyash, Jeff	8//5/05	Docket 050078 Petition for Rate Increase by Progress Energy Florida, Inc.	07605-05	Rebuttal Testimony
Lyash, Jeff	04/29/05	Docket 050078 Petition for Rate Increase by Progress Energy Florida, Inc.	04208-05	Direct Testimony
Lyash, Jeff	11/24/04	Docket 041272 Petition for approval of storm cost recovery of extraordinary expenditures related to Hurricans Charley, Frances, Jeanne, and Ivan by Progress Energy Florida, Inc.	12598-04	Direct Testimony
Masiello, John	7/8/04	Docket 040031 – Petition for approval of numeric conservation goals by Progress Energy Florida, Inc.	07469-04	Revised Exhibit to Direct Testimony
Masiello, John	5/28/04	Docket 040031 – Petition for approval of numeric conservation goals by Progress Energy	07469-04	Direct Testimony

Witness	Date	Docket No. and Name	Document No.	What
		Florida, Inc.		
Masiello, John	11/29/07	Undocketed: In the Matter of Energy Efficiency and Demand Side Management Opportunities and Accomplishments	10786	Presentation, pg. 39
Masiello, John	7/26/07	Undocketed: In the Matter of Renewable Portfolio Standards	06926	Presentation, pg. 104
Portuondo, Javier	11/24/03	Docket 030001 – Fuel and Purchased Power cost recovery clause with generating performance incentive factor	11959-03	Hearing Transcript, Vol. III, pg. 448
Portuondo, Javier	11/3/03	Docket 030001 – Fuel and Purchased Power cost recovery clause with generating performance incentive factor	10906-03	Supplemental Direct Testimony
Portuondo, Javier	9/12/03	Docket 030001 – Fuel and Purchased Power cost recovery clause with generating performance incentive factor	08683-03	Direct Testimony
Portuondo, Javier	8/12/03	Docket 030001 – Fuel and Purchased Power cost recovery clause with generating performance incentive factor	07370-03	Direct Testimony re: estimated Trueups
Portuondo, Javier	4/1/03	Docket 030001 – Fuel and Purchased Power cost recovery clause with generating performance incentive factor	03039-03	Direct Testimony re: Final 2002 Trueups
Portuondo, Javier	10/17/03	Docket 030007 – Environmental Cost Recovery	10179-03	Direct Testimony
Portuondo, Javier	2/11/04	Docket 031057 – Review of Progress Energy Florida, Inc.'s benchmark for waterborne transportation transactions with Progress Fuels	01971-04	Direct Testimony
Portuondo, Javier	9/3/04	Docket 040007 – Environmental Cost Recovery Clause	09730-04	Direct Testimony
Portuondo, Javier	11/5/04	Docket 040001 – Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor	11976-04	Direct Testimony

Witness	Date	Docket No. and Name	Document No.	What
Portuondo, Javier	10/25/04	Docket 040001 – Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor	11487-04	Supplemental Direct Testimony
Portuondo, Javier	9/9/04	Docket 040001 – Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor	09896-04	Direct Testimony
Portuondo, Javier	8/10/04	Docket 040001 – Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor	08704-04	Direct Testimony
Portuondo, Javier	02/23/04	Docket 040001 – Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor	02574-04	Direct Testimony
Portuondo, Javier	11/17/04	Docket 040001 – Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor	12294-04	Hearing Transcript, Vol. III, pg. 308
Portuondo, Javier	9/8/05	Docket 050007 – Environmental Cost Recovery Clause	08521-05	Direct Testimony
Portuondo, Javier	8/8/05	Docket 050007 – Environmental Cost Recovery Clause	07662-05	Pre-filed Direct Testimony
Portuondo, Javier	04/01/05	Docket 050007 – Environmental Cost Recovery Clause	03177-05	Direct Testimony
Portuondo, Javier	11/16/05	Docket 050007 – Environmental Cost Recovery Clause	11040-05	Hearing Transcript Vol. II pg. 187
Portuondo, Javier	8/17/05	Docket 050078 Petition for Rate Increase by Progress Energy Florida, Inc.		Deposition Transcript
Portuondo, Javier	8/5/05	Docket 050078 Petition for Rate Increase by Progress Energy Florida, Inc.	07609-05	Rebuttal Testimony
Portuondo, Javier	04/29/05	Docket 050078 Petition for Rate Increase by Progress Energy Florida, Inc.	04213-05	Direct Testimony
Portuondo, Javier	11/1/06	Docket 060007 Environmental Cost Recovery	10097-06	Pre-filed Supplemental

Witness	Date	Docket No. and Name	Document No.	What
				Direct Testimony
Portuondo, Javier	10/26/06	Docket 060007 Environmental Cost Recovery	09894-06	Supplemental Direct Testimony
Portuondo, Javier	9/1/06	Docket 060007 Environmental Cost Recovery	08025-06	Prefiled Direct Testimony
Portuondo, Javier	8/24/06	Docket 060007 Environmental Cost Recovery	06968-06	Direct Testimony
Portuondo, Javier	3/31/06	Docket 060007 Environmental Cost Recovery	02879-06	Direct Testimony with Exh. JP-1
Portuondo, Javier	11/17/06	Docket 060007 Environmental Cost Recovery	10536-06	Hearing Transcript Vol. I pg. 21
Portuondo, Javier	4/4/07	Docket 060162 Petition by Progress Energy Florida, Inc. for Approval to Recover Modular Cooling Tower Costs through Environmental Cost Recovery Clause	02912-07	Rebuttal Testimony
Portuondo, Javier	1/22/07	Docket 060162 Petition by Progress Energy Florida, Inc. for Approval to Recover Modular Cooling Tower Costs through Environmental Cost Recovery Clause	00579-07	Revised Direct Testimony
Portuondo, Javier	9/22/06	Docket 060642 Petition for determination of need for expansion of Crystal River 3 nuclear power plant, for exemption from Bid Rule 25-22.082, F.A.C., and for cost recovery through fuel clause, by Progress Energy Florida, Inc.	08774-06	Direct Testimony
Portuondo, Javier	12/12/06	Docket 060793 Petition for approval of long-term fuel transportation contracts with Duke Energy Southeast Supply Header, LLC and Centerpoint Energy Southeastern Pipelines Holding, LLC ("SESH Pipeline Contracts") by Progress Energy Florida, Inc.	11362-06	Direct Testimony
Portuondo, Javier	7/19/07	Docket 070052 Petition by Progress Energy Florida, Inc. to recover costs of Crystal River Unit 3 uprate through fuel clause	06100-07	Rebuttal Testimony

Witness	Date	Docket No. and Name	Document No.	What
Portuondo, Javier	5/23/07	Docket 070052 Petition by Progress Energy Florida, Inc. to recover costs of Crystal River Unit 3 uprate through fuel clause		Deposition Transcript
Portuondo, Javier	5/4/07	Docket 070052 Petition by Progress Energy Florida, Inc. to recover costs of Crystal River Unit 3 uprate through fuel clause	03770-07	Direct Testimony
Portuondo, Javier	8/14/07	Docket 070052 Petition by Progress Energy Florida, Inc. to recover costs of Crystal River Unit 3 uprate through fuel clause	07124-07	Hearing Transcript Vol. II pg 222
Portuondo, Javier	4/30/07	Docket 070290 Petition to increase basse rates to recover full revenue requirements of Hines Unit 2 and Unit 4 power plants pursuant to Order PSC-05-0945-S-EI, by Progress Energy Florida, Inc.	03652-07	Direct Testimony
Portuondo, Javier	9/12/05	Docket 041272 Petition for approval of storm cost recovery of extraordinary expenditures related to Hurricans Charley, Frances, Jeanne, and Ivan by Progress Energy Florida, Inc.	08639-05	Direct Testimony
Portuondo, Javier	2/28/05	Docket 041272 Petition for approval of storm cost recovery of extraordinary expenditures related to Hurricans Charley, Frances, Jeanne, and Ivan by Progress Energy Florida, Inc.	02005-05	Rebuttal Testimony
Portuondo, Javier	1/24/05	Docket 041272 Petition for approval of storm cost recovery of extraordinary expenditures related to Hurricans Charley, Frances, Jeanne, and Ivan by Progress Energy Florida, Inc.		Deposition Transcript
Portuondo, Javier	11/24/04	Docket 041272 Petition for approval of storm cost recovery of extraordinary expenditures related to Hurricans Charley, Frances, Jeanne, and Ivan by Progress Energy Florida, Inc.	12601-04	Direct Testimony
Roderick, Daniel	9/22/06	Docket 060642 Petition for determination of	08775-06	Direct Testimony

Witness	Date	Docket No. and Name	Document No.	What
		need for expansion of Crystal River 3 nuclear power plant, for exemption from Bid Rule 25-22.082, F.A.C., and for cost recovery through fuel clause, by Progress Energy Florida, Inc.		
Roderick, Daniel	7/19/07	Docket 070052 Petition by Progress Energy Florida, Inc. to recover costs of Crystal River Unit 3 uprate through fuel clause	06099-07	Rebuttal Testimony
Roderick, Daniel	5/23/07	Docket 070052 Petition by Progress Energy Florida, Inc. to recover costs of Crystal River Unit 3 uprate through fuel clause		Deposition Transcript
Roderick, Daniel	5/4/07	Docket 070052 Petition by Progress Energy Florida, Inc. to recover costs of Crystal River Unit 3 uprate through fuel clause	03771-07	Direct Testimony
Roderick, Daniel	8/14/07	Docket 070052 Petition by Progress Energy Florida, Inc. to recover costs of Crystal River Unit 3 uprate through fuel clause	07123-07	Hearing Transcript, Vol. I pg. 30
Roderick, Daniel	11/21/07	Docket 070698 Petition by Progress Energy Florida, Inc. to recover costs of Crystal River Unit 3 uprate as provided in Section 366.93, F.S. and Rule 25-6.0423, F.A.C.	10480-07	Direct Testimony
Roderick, Daniel	2/29/08	Docket 080009 Nuclear Cost Recovery Clause	01515-08	Direct Testimony
Weintraub, Sasha	1/16/07	Docket 060658 Petition on behalf of Citizens of the State of Florida to require Progress Energy Florida, Inc. to refund customers $143 million	00437-07	Direct Testimony
Weintraub, Sasha	3/14/07	Docket 060658 Petition on behalf of Citizens of the State of Florida to require Progress Energy Florida, Inc. to refund customers $143 million		Deposition Transcript
Weintraub, Sasha	4/12/07	Docket 060658 Petition on behalf of Citizens of the State of Florida to require Progress Energy Florida, Inc. to refund customers $143 million	03133-07	Hearing Transcript Vol. 4, pg. 485

Witness	Date	Docket No. and Name	Document No.	What
FERC				
Crisp, Ben	4/2/03	Testimony of John Benjamin Crisp Testimony of Javler J. Portuondo Attachments to filing Tariff Amendment	SC03-_____	Testimony

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Meeting demand

Jeffrey Lyash, president and CEO of Progress Energy Florida

Posted Dec. 22, 2006

Last week, Progress Energy Florida announced the selection of a site in southern Levy County as the preferred location for potential nuclear expansion. While this was not a commitment to build a nuclear plant -- that decision is still a year or more away -- it was an important step forward as we lay the foundation to meet the state's growing energy needs.

Our commitment is to provide a reliable and affordable energy supply for a region growing by 30,000 to 40,000 new homes and businesses every year -- and to do it in a way that minimizes environmental impacts. Just as we need to plan to build new roads and schools to stay ahead of growth, we must also plan to ensure the electric system we depend on is as reliable tomorrow as it is today.

Over the next decade, demand for electricity in our 35-county service territory is expected to grow by more than 25 percent. Our company's balanced approach to providing for future energy needs focuses on:

Expanding the development and use of renewable energy -- biomass, solar, and hydrogen -- to reduce our dependence on fossil fuels;

Offering some of the nation's most innovative and successful energy-efficiency programs;

Investing in our existing generation fleet to make the plants that serve our customers more efficient and cleaner; and

Exploring options for new large-scale generating plants.

Over the past several years, we've seen record high oil prices and an over-reliance on natural gas. This has created tremendous volatility in energy costs across the board -- from the gas pumps to our homes.

Nuclear energy not only lessens our dependence on foreign fuel sources, it is one of our most economical sources of energy. Nuclear energy also provides environmental benefits -- electricity from nuclear energy is emissions-free -- producing no greenhouse gases.

For these reasons, as we look to add new electric generation in Florida, our plan is to seriously consider nuclear energy as an option.

OTHER VIEWS
EDITORIAL
Progress Energy: A shared vision
Jeff Lyash, Special to the Sentinel
710 words
6 August 2007
Orlando Sentinel
FINAL
A17
English

The recent climate summit and executive orders by Gov. Charlie Crist created unprecedented national exposure. Progress Energy Florida has long seen the relationship between energy and the environment as critical for our customers and our company. We credit the governor for elevating this important issue.

Now, the real work begins. Following the summit, many of the questions asked of our company focused on where the state's utilities differ with the governor. But more important is the common ground we share.

Like Crist, Progress Energy is committed to a **balanced solution** to meeting the energy needs of our fast-growing state. That means a continued and even stronger emphasis on one of the nation's premier energy-efficiency programs. It means increased investments in renewable energy, and state-of-the-art power plants.

We are moving forward on all three fronts, because each is critical to ensuring an available, environmentally sound, reliable and affordable energy supply for our 1.7 million customers.

Since 1981, our customers have saved nearly $825 million in energy costs and eliminated almost 7 million tons of carbon dioxide (the equivalent of 1.2 million cars) through participation in energy-efficiency programs. Enough electricity has been saved to power the city of Orlando for more than two years.

We are committed to expanding these programs. Earlier this year, we implemented a host of new measures to help avoid the need to build three power plants over the next decade. In June, we launched our "Save the Watts" campaign to raise customer awareness of programs to save money, reduce energy use and improve the environment.

Responsible energy use is a civic duty. The cleanest and greenest kilowatt is the one we do not use. As our Save the Watts campaign states, "It's your wallet, it's your world."

We continue to expand the use of alternative energy. We signed a contract to purchase the output of a 130-megawatt power plant that will use environmentally friendly E-grass as its fuel source. That Central Florida project represents the largest biomass power plant of its kind in the country.

We recently signed another contract with a company that will use waste wood (yard trimmings, bark, etc.) to generate up to 75 megawatts of electricity -- also the largest plant of its kind in the country. These projects will avoid the need to burn 5 million tons of coal in future years and will lower carbon emissions.

Progress Energy also has been intimately involved in building Florida's first hydrogen fueling station, located near Orlando International Airport. That facility is the anchor of the hydrogen highway in Florida.

The development of environmentally sound renewable energy sources is vital. However, each renewable project that we support must pass a critical customer test: It must be cost effective.

Even with a considerable increase in efficiency and renewable energy investment, we will continue to pursue state-of-the-art power plants. Their construction takes many years, so we must plan for them now.

We have a state-mandated responsibility to meet the needs of the nation's fourth-most-populous state, and we believe nuclear energy must continue to be a key part of a diverse and reliable resource mix. Nuclear

energy continues to be the safest, most economical, carbon-free way to generate large-scale energy for our state.

A strong focus on nuclear energy -- not only by utilities but also by regulators and legislators -- is needed to meet the governor's vision for reducing carbon-dioxide emissions and increasing the state's renewable-energy portfolio.

In the months and years that follow the governor's call to action, the debate will be robust. We believe the issue is not a competition between alternatives but rather a challenge to leverage all resources in the best interests of our customers.

Supporting the growth of our economy, protecting our environment and providing value for our customers are all critical parts of a single objective. If we work together, it can be done.

Jeff Lyash is president and chief executive officer of Progress Energy Florida, which serves nearly 1.7 million households and businesses in Central and west-coastal Florida.

COMMENTARY
Securing Florida's Energy Future
JEFF LYASH
578 words
9 March 2008
Tampa Tribune
FINAL
1
English

Sunday March 09, 2008

Section COMMENTARY

Page 1

Securing Florida's Energy Future

By JEFF LYASH

President of Progress Energy Florida

Florida and the Southeast continue to lead the nation in growth. Florida is the nation's fourth most-populous state and ranks third nationally in overall energy consumption.

And because homes are 54 percent larger today than in 1970 - with central air conditioning, computers and plasma TVs - the average home uses more electricity than ever before.

Progress Energy Florida is committed to providing safe, reliable and affordable energy to its more than 1.7 million customers every day. Planning for the region and state's future energy needs is a responsibility we take very seriously.

Our forecasts indicate that demand for electricity across our 35- county service territory will grow by more than 25 percent in the next decade. This growth and associated energy use requires long- term planning to ensure we can meet this demand.

As we confront new energy realities together, putting our reliability at risk is not an option. We were reminded of the importance of reliability across our state's interconnected system on Tuesday, Feb. 26, when many Floridians were left in the dark in an outage stretching from Miami to the Tampa Bay area.

Our transmission system responded as designed, and the majority of the 153,000 Progress Energy Florida customers affected were restored to service in just over an hour. This widespread outage, however, emphasized the need for a strong, reliable transmission network across our state.

As our state continues to grow, and energy demand rises, transmission investments are critical to maintaining safe and reliable service. Just as we need to build new roads and schools to stay ahead of growth, we must also plan to ensure the electric system is as reliable tomorrow as it is today.

The transmission network is the backbone of the electric system, continuously moving large amounts of electricity from power plants to communities. This system operates 24 hours a day, seven days a week, to meet the electric needs of our customers - and the customers of other utilities - throughout the state.

Progress Energy Florida has identified the need to add about 200 miles of new transmission lines potentially affecting 10 counties. This project could impact property owners who are our customers as well at the customers of other utilities.

As we begin this process, our commitment is to be inclusive, open and transparent. Last year we initiated an innovative community approach that includes participation from key leaders throughout the region, called the Community Partnership for Energy Planning. This involves a cross-section of community leaders - including representation from the Tampa Bay region - such as public officials, businesses, environmentalists, neighborhoods and economic development agencies, among others.

We are in the early stages of a process that will span many years. No decisions have been made. Throughout this process, we will seek community input and encourage public involvement. We must collectively accept that as our state continues to grow, these infrastructure investments are needed. But we also must collectively participate in the decisions that must be made.

We welcome your feedback. Please visit www.progress-energy.com/ energyplanning to learn more about this important project or to express your opinion.

Jeff Lyash is president and CEO of Progress Energy Florida.

Paying in advance cuts the cost of nuclear plant

[SOUTH PINELLAS Edition]

St. Petersburg Times - St. Petersburg, Fla.

Date: Feb 20, 2007

Start Page: 12.A

Section: NATIONAL

Text Word Count: 1302

Pay me now, and then pay me later - Feb. 15, Howard Troxler column

Howard Troxler's column Thursday misses the mark about a rule the Florida Public Service Commission approved last week that encourages the development of clean, safe and economical nuclear energy.

The PSC rule, which carries out a 2006 act signed by Gov. Jeb Bush that the Florida Legislature passed 158-1, lowers the overall costs of a nuclear power plant to customers by several billion dollars and sets up direct regulatory oversight throughout plant construction.

When nuclear plants were last built three decades ago, there were delays and cost overruns in part because of an uncertain licensing process. Under traditional ratemaking, customers wound up paying for not only capital costs, but also interest compounded over the life of these plants after commencing commercial operation. The resulting price shock was significant.

The Florida Legislature showed great foresight with its solutions in the Florida Renewable Energy Technologies and Energy Efficiency Act. A utility is allowed to recover prudent preconstruction and interest costs during the construction period. Paying these costs in advance significantly lowers the long-term financing costs. The overall cost of the plant decreases, minimizing the price customers pay over its operating lifetime. Paying the balance on your credit card each month is smarter than letting compound interest work against you.

The act further protects customers from potential cost overruns by requiring the utility to prove in annual public hearings the prudence of plant costs. Given the significant costs to build a nuclear power plant - current estimates are at least $3-billion - this new process makes sense for the utility and its customers.

At Progress Energy Florida, we are committed to providing affordable energy that will meet the increasing demands of our customers. Nuclear energy provides significant

benefits over fossil fuels in terms of stable fuel costs, minimizing environmental impact (zero greenhouse gas emissions) and lessening dependence on foreign fuel sources. Nuclear energy is our nation's most economical fuel, which can deliver the reliable power we all demand 24 hours a day.

Learn more about the future of energy in Florida at www.progress-energy.com/aboutenergy/poweringthe future_florida/

Jeff Lyash, president and CEO, Progress Energy Florida, St. Petersburg

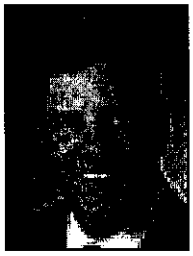
St. Petersburg Times—Sunday, July 29, 2007

To succeed we need to balance Florida's energy future

The recent climate summit and executive orders from Gov. Charlie Crist created unprecedented national exposure. Progress Energy Florida has long seen the relationship between energy and the environment as critical for our customers and our company. We credit the governor for elevating this important issue.
Now, the real work begins.

Following the climate summit, many of the questions asked of our company focused on where the state's utilities differ with the governor. But more important is the fact that there is significant common ground.

Like Gov. Crist and many other citizens of Florida, Progress Energy is committed to a balanced solution to meeting the energy needs of our fast-growing state. That means a continued – and even stronger – emphasis on one of the nation's premier energy-efficiency programs; it means increased investments in renewable energy, and state-of-the-art power plants.



We are moving forward on all three fronts, because each is critical to ensuring an available, environmentally sound, reliable and affordable energy supply for the nearly 1.7 million households and businesses that depend on us 24 hours a day, seven days a week.

Energy efficiency

We know that the cleanest and greenest kilowatt is the one we do not use.
In fact, since 1981, Progress Energy customers have saved nearly $825 million in energy costs and eliminated almost 7 million tons of carbon dioxide (the equivalent of 1.2 million cars) through participation in energy-efficiency programs. That's enough to power the city of St. Petersburg for more than three years.

More can be done, but it will take a culture change. We are committed to expanding cost-effective energy-efficiency programs. Earlier this year, we implemented 39 new measures, which will help avoid the need to build three power plants over the next decade. In June, we launched our "Save the Watts" campaign to raise customer awareness of programs to save money, reduce energy use and improve the environment.
We must each commit to view responsible energy use as a civic duty. As our Save the Watts campaign states, "It's your wallet, it's your world."

Renewable energy technologies

We continue to expand the use of alternative energy in Florida. We have already signed a contract to purchase the output of a 130-megawatt power plant that will use environmentally friendly E-grass as its fuel source. That Central Florida project represents the largest biomass power plant of its kind in the country.

We recently signed another contract with a company that will use waste wood (yard trimmings, bark, etc.) to generate up to 75 megawatts of electricity – also the largest plant of its kind in the country. These projects will avoid the need to burn 5 million tons of coal in future years and will lower carbon emissions.
Progress Energy also has been intimately involved in Florida's first hydrogen fueling station, located near the Orlando International Airport. The station is the anchor of the hydrogen highway in Florida.

The development of environmentally sound renewable energy sources and the technology that supports them is vital. However, each renewable project that we support must pass a critical customer test: It must be cost effective.

State-of-the-art plants and delivery systems

Even with a considerable increase in efficiency and renewable energy investment, it is critical that we continue to pursue state-of-the-art power plants. Building plants and transmission lines takes many years, so we must plan for those resources now, to ensure they will be available when needed.

We have a state-mandated responsibility to meet the needs of the nation's fourth most-populous state, and we believe nuclear energy must continue to be a key part of a diverse and reliable resource mix. Nuclear energy continues to be the safest, most economical, carbon-free way to generate large-scale energy for our state.

A strong focus on nuclear energy – not only from the electric utilities but also from our regulators and legislators – will be critical if we are to meet the governor's vision for reducing carbon-dioxide emissions and increasing the state's renewable-energy portfolio.

In the months and years that follow the governor's call to action, the debate will be robust. We believe the issue is not a competition between alternatives, but rather a challenge to leverage all resources in the best interests of our customers. Supporting the growth of our economy, protecting our environment, and providing value for our customers are all critical parts of a single objective. If we work together, if we are careful in our decision making, it can be done.

As Florida moves forward in evaluating and implementing changes, we will be at the table, ensuring that our customers' need for reliable, affordable and environmentally sound energy continues to be met, and working to expand on the common ground by developing a shared, responsible and long-term vision for the state's energy future.

Headquartered in St. Petersburg, Progress Energy serves central and west-coastal Florida.

Jeff Lyash
President and CEO
Progress Energy Florida

ORLANDO
Business Journal

JULY 28 - AUGUST 3, 2006

Opinion

A balanced approach to our energy future

Last month, Gov. Jeb Bush signed into law a comprehensive plan for a diverse, reliable and secure energy future for Florida. The Florida Renewable Energy Technologies and Energy Efficiency Act aims to ensure that our state takes a balanced approach to meeting the energy needs of our residents over the next generation.

Growth is part of our landscape. We see its benefits and challenges every day. But while our needs to expand roads and schools are often most visible, the need to plan and build electric facilities is just as critical, although it occurs largely behind the scenes.

Our state adds 1,000 new residents every day. Our homes are also increasing in size — by more than 50 percent, on average, since 1970. With more living space to cool and heat, more electronics in our daily lives, and more of us living and working here, we know our system of generating and distributing electricity must grow to keep pace.

When our customers flip a l fight switch, they expect the light to come on, with no "all circuits busy" message or delay in response. Progress Energy is committed to ensuring that same level of electric system reliability in the future. The solution is a balance of existing resources, strategic power purchases, evolving technologies, increased energy efficiency and new power plants.

Recently, the state of Florida approved Progress Energy's plan to increase financial incentives for several energy-efficiency programs we offer to our customers. The goal is to attract new participants to the programs, and to continue to educate contractors and builders on energy-efficient construction, because doing so helps manage energy resources now and in the future.

These programs provide real benefits, not only in reduced costs for our customers, but in delaying the need for new power plants. Over the last 25 years, our customers have saved more than $750 million in energy costs through participation in efficiency programs—representing more than 10 billion kilowatt-hours of electricity that did not have to be generated (roughly equivalent to the city of Orlando's power use over two years)—and representing a significant reduction in energy-related emissions.

SECOND OPINION
JEFFREY LYASH

We continually seek cleaner, newer ways to produce energy for our customers. We have partnered with the state and federal government and other companies and agencies in investing in hydrogen fuel-cell projects, as well as solar projects at schools, around the state and in other areas, including Florida's first hydrogen vehicle fueling station.

We've signed a contract to purchase the energy generated by a planned power plant in Central Florida that will use a bamboo-like grass as its fuel source. Renewable biomass generation projects such as this one can help reduce the need to burn other fuels, and they provide significant environmental benefits.

Meanwhile, we continue to operate the most diverse mix of power plants in Florida in meeting the needs of 1.6 million households and businesses. That diversity helps ensure a reliable, affordably priced supply of electricity even when fuel prices and supplies are volatile, and makes us less reliant on foreign energy sources. And we're investing to ensure that the generation of electricity from that mix of resources is accomplished in an environmentally sound manner.

We also know that even with an increased emphasis on energy efficiency and more investment in alternative energy sources, we must plan and build new sources of electricity generation to meet Florida's needs.

As previously announced, we're evaluating sites for new generation (including the possibility of both nuclear and clean-coal plants). We're undertaking a comprehensive process—one that will lead us to investments that make the most sense for our customers and communities. Siting and building power plants, and the associated transmission, takes many years and involves many perspectives. Even though we won't make a final decision to proceed for some time, we need to act now to keep options viable for the future. We expect to name a potential nuclear plant site in the coming months.

Together, we're working to create an environmentally responsible, balanced energy solution, so that the reliable and efficient electric system that brings opportunity, comfort and dependability today will continue to energize our lives, our communities and our state in the future.

JEFFREY LYASH *is president and CEO of Progress Energy Florida, which serves 1.6 million homes and businesses in Central and west coastal Florida.*

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St Petersburg, Florida 33701

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Robert D Niekum

Experience

2000 – Present Progress Energy Corporation St Petersburg, Florida

Director Account Management, Origination, and Cogen - PEF

- Responsible for wholesale sales to Electric Cooperatives, Municipal Utilities, and Investor Owned Utilities
- Responsible for power purchase agreements (PPAs) with utilities and independent power producers
- Responsible for power purchases from renewable energy producers and cogeneration suppliers.

1995 – 2000 Florida Power Corporation St Petersburg, Florida

Director Fuels Supply

- Procure natural gas and gas transportation for all FPC units
- Responsible for all oil procurement
- Administer all coal contracts for FPC

1990 – 1995 Florida Power Corporation St Petersburg, Florida

Manager Generation Planning

- Responsible for Integrated Resource Planning Studies
- Conduct all generation planning studies
- Submit annual Ten Year Site Plans

1982 – 1990 Florida Power Corporation St Petersburg, Florida

Senior Transmission and Generation Planning Engineer

- Conduct transmission load flow studies
- Responsible for area planning of transmission and distribution
- Provide substation load forecast analysis

1976 - 1980 Jacksonville Electric Authority Jacksonville, Florida

System Planning Engineer

- Conduct residential load research for DSM
- System studies for the Energy Control Center

Education

1980 - 1982 University of Florida Gainesville, Florida

- Master of Engineering
- EE in Power System Planning

1974 - 1976 University of Florida Gainesville, Florida

- BSEE
- EE in Power Systems

1972 - 1974 Florida Junior College Jacksonville, Florida

- AA Pre engineering

1996 Dartmouth College Executive Training Program
2001 Duke University Leadership Development Program

Registration State of Florida Professional Engineer P.E. Number 33207

CV of John Benjamin Crisp
Progress Energy Florida, Inc.
6565 38th Avenue N.
EC37
St. Petersburg, FL 33710

EXPERIENCE

PROGRESS ENERGY, INC., Raleigh, NC & St. Petersburg, FL **1999 - Present**
Fortune 500 company with regulated operations in three states.

Progress Energy Florida Director, System Planning and Regulatory Compliance
- Planning and development of generation and transmission assets
- Operational compliance with directives of state and federal regulatory authorities
- Testimony for need certification, siting act, energy supply and fuel filings
- Federal, state, regional regulatory committee representation and negotiation
- Corporate Strategic Initiatives development and implementation

Progress Energy Florida Manager, Energy Efficiency Services
- Energy Efficiency Program operations
- Field operations, program implementation and validation
- Regional operating team performance metrics and strategy implementation
- Direct guidance to five managers and 95 field personnel

Progress Energy Director, Integrated Resource Planning
- Generation and Electric Supply planning activities
- Negotiation of power supply contracts
- Load and energy forecasts, Ten Year Site plan filings
- Power plant siting, fuel clause, rate case testimony

DYNEGY MARKETING AND TRADE, Houston, TX and Atlanta, GA **1997 - 1999**
Asset based national multi-commodity energy marketing and trading company.

Senior Director - Power Marketing
- Southeast and Mid-west regional energy and fuels P&L
- Electric power marketing and alliance operations in the southeast
- Origination and operation of 8,500 MW FPC/Dynegy Marketing Alliance
- Construction of 1,250 MW gas fired merchant peaking projects
- State, Region and National regulatory interface

TENASKA POWER SERVICES, Dallas, TX **1996 - 1997**
Developer and marketer of Independent Power Plants.

Manager - Power Services
- Power Marketing Support services
- Construction, start-up and operation of independent power plants
- ERCOT regional reliability council establishment and operations

OGLETHORPE POWER CORPORATION, Atlanta, GA **1988 - 1996**
5,000 MW Electric Generation and Transmission Cooperative serving rural customers in Georgia.

Engineer IV - Electric System Operations and Dispatch
- Generation and transmission power system dispatch supervision
- SERC Regional and national reliability council guideline compliance
- Regional utility / Joint ownership system operational issue resolution

Strategic Planner - Corporate Strategic and Financial Planning
- Corporate planning team leadership and supervision
- Annual financial and operating plans, Board of Director approval.
- Executive planning sessions to develop key strategic drivers
- Utility capital forecasts, budgets, and cost of service requirements to Board of Directors.

Project Controller - Generation and Transmission Construction Projects
- EPC contracts generation and transmission construction projects
- 1100 MWs of Fossil and Hydro Power Plant construction
- Cost, Schedule, and Contract controls for construction projects

NON-UTILITY INDUSTRY (Department of Defense) **1979 - 1988**

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA 1975 - 1979
Bachelor of Science, Industrial Engineering
GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA 1987
International Engineering Standards Post-Graduate Program
DUKE UNIVERSITY, FUQUA SCHOOL OF BUSINESS 2001
Executive Leadership Post-Graduate Program

J. Michael Kennedy

Progress Energy Florida
P.O. Box 14042 PEF 163
St. Petersburg, FL 33733
(727) 820-5567 (727) 820-5044 (Fax)
Email: j-michael.kennedy@pgnmail.com

Professional Experience

September, 2005 to Present

Progress Energy Florida/Progress Energy Carolinas
St. Petersburg, FL/ Raleigh, NC
Principal Environmental Specialist – Energy Policy and Strategy. Corporate lead for policy and strategy development regarding emerging air legislative and regulatory issues. Beginning in 2007, responsibilities have focused primarily on climate change policy.

October, 2002 to September, 2005

Progress Energy Florida/Progress Energy Carolinas
St. Petersburg, FL/ Raleigh, NC
Manager, Permitting and Compliance. Management of regulatory, permitting, and compliance activities for the Energy Supply business units of the company in the areas of air, water, and hazardous materials.

January, 2001 to October, 2002

Florida Power Corporation/Carolina Power & Light
St. Petersburg, FL/ Raleigh, NC
Manager, Air Programs. Management of air regulatory activities for the company, including permitting, regulatory issues, legislative issues, emissions tracking, emissions testing, and reporting.

October, 1994 to December, 2000

Florida Power Corporation
St. Petersburg, FL
Manager, Air Programs. Management of air regulatory activities for the company, including permitting, regulatory issues, legislative issues, emissions tracking, emissions testing, and reporting. Perform all air quality modeling analysis for company facilities.

July, 1992 to October, 1994

Florida Power Corporation
St. Petersburg, FL
Environmental Specialist. Managed air quality permitting and regulatory issues for eight company facilities. Performed all air quality modeling for the company. Assured and coordinated the company's compliance with the CFC phaseout regulations. Participated on several Utility Air Regulatory Group committees as well as the Air Subcommittee of the Florida Electric Power Coordinating Group.

January, 1990 to July, 1992

Indianapolis Power and Light Company
Indianapolis, IN
Environmental Scientist. Preparation of air pollution permit applications and management of regulatory and compliance issues for all company facilities. Performed all air quality modeling for the company. Regulatory liaison, including participation in the development of regulations. Coordinator for asbestos regulatory issues for the company. Participated on several Utility Air Regulatory Group committees.

August, 1986 to January, 1990

Indianapolis Air Pollution Control Division
Indianapolis, IN
Engineering and Planning Manager. Oversight and coordination of permitting and planning activities, such as review of proposed pollution sources and associated control equipment, the development of area-wide pollution control strategies, and air quality modeling analysis. Development and implementation of air quality regulations and standards.

June, 1978 to August, 1986

Indianapolis Air Pollution Control Division
Indianapolis, IN
Air Quality Planner. Performed air quality modeling analysis for State Implementation Plan development for particulates, sulfur dioxide, carbon monoxide, and ozone. Assisted in the evaluation of air pollution permit applications. Worked with the Division's laboratory in the quality assurance of air pollution monitor data. Participated in meteorological and pollution monitoring studies.

Education

1974 to 1978

Purdue University
West Lafayette, IN
B.S. in Meteorology

Organizations

Air and Waste Management Association

American Meteorological Society

Certifications

Qualified Environmental Professional (Q.E.P.)

John T. Siphers
Progress Energy
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Position	**Manager, Nuclear Fuels Management & Safety Analysis Section** **Nuclear Engineering & Services Department** **Progress Energy Corporation**
Current Responsibility Profile	• Management of organization of 32 engineers • Nuclear fuel procurement, management, and storage activities • Core design and management of 5 nuclear reactor cores • Vendor oversight of nuclear fuel fabrication and engineering • Annual $200M to $300M fuel procurement budget
Relevant Professional Experience	**Manager, Nuclear Fuels Management & Safety Analysis Section** *2005-present* *Progress Energy, Raleigh NC* **Superintendent, PWR Fuel Engineering Unit** *2004-2005* *Progress Energy, Raleigh NC* • Oversee core design and operating core support for 3 Progress Energy PWR plants **Supervisor, Nuclear Fuel Supply Unit** *1998-2004* *Carolina Power & Light Co./Progress Energy, Raleigh NC* • Supervision of procurement of uranium , conversion, and enrichment services for Progress Energy's nuclear plants • Supervision of fuel performance engineers and vendor oversight • Managed introduction of Crystal River plant into the Progress Energy fuel supply infrastructure **Supervisor, BWR Fuel Engineering Unit** *1996-1998* *Carolina Power & Light Co., Raleigh NC* • Oversee core design and operating core support for the two Brunswick plant BWR reactors **Senior Engineer & Project Engineer** *1983-1996* *Carolina Power & Light Co., Raleigh NC* • Performance of various operating plant support activities, including core design, core monitoring software support, and analysis tool validation **Associate Engineer & Engineer** *1979-1983* *Carolina Power & Light Co., Brunswick Plant, Southport NC* • Performance of reactor engineer duties, including advising the plant operations staff during reactor startup & shutdown conditions.
Education	**B.S., Nuclear Engineering,** Magna Cum Laude, NC State University, 1979
Professional Certification	**Registered Professional Engineer,** NC

Jeff Lyash, 46, became president and chief executive officer of Progress Energy Florida in June 2006. Progress Energy Florida, a subsidiary of Progress Energy, provides electricity and related services to nearly 1.7 million customers in Florida. The company serves a territory of 35 counties, which includes the cities of St. Petersburg and Clearwater, the Central Florida area surrounding Orlando and communities throughout the Big Bend. The company's headquarters is at 299 First Ave. N., St. Petersburg.

Lyash earned a bachelor's degree in mechanical engineering from Drexel University in Philadelphia, PA. Lyash began his career in the electric power industry with Pennsylvania Power and Light. Before joining Progress Energy, he worked at the U.S. Nuclear Regulatory Commission as a project manager and senior resident inspector in Washington, D.C. and at various nuclear power plants in the Northeast.

Lyash came to Progress Energy in 1993 where he spent his first eight years at the Brunswick Nuclear Plant in Southport, N.C. in a number of management roles, including plant manager and director of site operations. Lyash then served as vice president of Transmission in the Carolinas where he was responsible for the design, construction and maintenance of the company's high voltage transmission system. He moved to Florida in November 2003 after being named senior vice president of Energy Delivery in Florida, overseeing electric transmission and distribution operations, customer service and community relations.

Lyash serves on the boards of many community organizations, including the Florida Council of 100, Enterprise Florida, Tampa Bay Partnership, Florida Orchestra, SunTrust-Tampa Bay, St. Petersburg Museum of Fine Arts, The Florida Chamber of Commerce and the Florida Chamber of Commerce Foundation. He is a member of the Florida High Tech Corridor and Metro Orlando Economic Development. He also serves on a number of utility industry organizations.

Javier J. Portuondo

410 S. Willimington Street
Raleigh, NC. 27601
(919) 546-4188

Experience

2006 – Present Progress Energy Corporation Raleigh, North Carolina

Director Regulatory Planning - PGN

- Responsible for the following associated with all electric utilities of Progress Energy Inc.
  - Cost of Service Analysis
  - Regulatory financial reporting
  - Rate and Tariff development and administration
  - Analysis of State, Federal and local regulations and their impact on the utilities
  - Planning, coordination and execution of general rate case and pass-through clause proceedings
  - Consultant to business units on proper rate making and regulatory compliance.

2003 – 2006 Progress Energy Corporation St Petersburg, Florida

Director Regulatory Services – Florida

- Responsible for the following:
  - Cost of Service Analysis
  - Regulatory financial reporting
  - Rate and Tariff development and administration
  - Analysis of State, Federal and local regulations and their impact
  - Planning, coordination and execution of general rate case and pass-through clause proceedings
  - Consultant to business units on proper rate making and regulatory compliance.

1997 – 2003 Florida Power Corporation St Petersburg, Florida

Manager Regulatory Reporting and Fuel Accounting

- Responsible for regulatory compliance with pass-through clause reporting and accounting
- Responsible for analysis and implementation of regulatory accounting changes prescribed by the Florida Public Service Commission and the Federal Energy Regulatory Commission
- Consultant to business units on proper rate making and regulatory compliance

1985 – 1997 Florida Power Corporation St Petersburg, Florida

Various Positions as follows:

- Sr. Accountant – Plant Property and Depreciation Accounting Department

Javier J. Portuondo

410 S. Willimington Street
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- Sr. Accountant – Tax Department
- Accountant – Regulatory Accounting Department
- General Accounting Specialist – General Accounting Department
- Customer Accounting Clerk – Customer Accounting Department
- Customer Service Rep – Customer Service Center

Education

1992 University of South Florida Tampa, Florida

- Bachelors of Science – Accounting

1984 St. Petersburg Jr. College St. Petersburg, Florida

- Associates of Art - Accounting

Summary Resume

Daniel L. Roderick

Mr. Roderick has over 27 years of proven performance in the Nuclear Industry. He has served in various leadership positions in Operations, Engineering, and Outage Management. He has held significant positions of responsibility as Outage Manager, Engineering Manager, Plant General Manager, Director Site Operations, and Vice President. He has worked at four different nuclear sites with various reactor and secondary designs operationally and has been involved in construction with two nuclear stations.

Education: Mr. Roderick has a Bachelor of Science and a Master of Science degree from the University of Arkansas School of Industrial Engineering. He has completed Senior Reactor Operator and Non-Licensed Operator training programs. He has also completed the Electric Utility Leadership program at Duke University.

Other Involvement Outside Progress Energy: Mr. Roderick serves on the Institute of Nuclear Power Operations (INPO) New Plant Executive Oversight Group.

Work Experience:

Progress Energy/Florida Power November 1996 to present

Mr. Roderick currently serves as the Vice President of Nuclear Projects and Construction for Progress Energy since February 2007. He has overall responsibilities for the management of the companies Nuclear Power growth strategies as part of the companies Balanced Approach to solving growing customer needs for generation. These projects include the Levy and Harris Nuclear Plants, the Crystal River 3 Power Uprate and the Steam Generator Replacement. Prior to this assignment he was the Director of Site Operations at the Crystal River 3 Plant and was responsible for the safe operation of the station. During his tenure the station received its first INPO 1 and has set generation and lowest cost records each of the last 8 years. During this period a strong safety culture has been instilled and has resulted in one of the lowest NRC allegation rates in the country. The plant was recently awarded its second INPO 1 rating.

Prior to being promoted to Director Site Operations Mr. Roderick was the Plant General Manager from 1999-2002. He also served as a key member of the integration team for the merger of Florida Power Corporation and Carolina Power and Light. He served as Engineering and Projects Manager from 1998-1999. During the Plant NRC shutdown he served as the Restart Manager from November 1996-1998 resolving several design basis, materiel condition, and cultural issues at the station. During this period Mr. Roderick had significant interface with the NRC in Region 2 and NRR to gain agreement on the issues to be resolved and building confidence in station leadership to restart the unit.

Entergy Nuclear/Arkansas Power and Light: July 1983- November 1996

Prior to working for Progress Energy Mr. Roderick worked for Entergy Corporation. During his 13 years with Entergy he served in several leadership roles in Outage Management, Engineering, and Operations. During his tenure at Arkansas Nuclear One (ANO) the station received its first ever INPO 1 and was part of the leadership team that created a culture of Operational and Outage performance excellence that has continued at the station. Mr. Roderick also served for two years in the General Offices in Little Rock prior to moving to ANO serving in the Project Management department.

Johnson Controls, Perry Nuclear Station May 1981-July 1983/ Howard S. Wright Constructors, Columbia Station February 1980-May1981

Mr. Roderick worked as a startup Engineer and in Construction Management positions from 1980-1983 at the now Columbia Generation Station and at Perry Nuclear Station. He was responsible for performance testing as a field engineer and supervised construction craft in a systems completion group.

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J. Dale Oliver, P.E.

Professional experience

02/2007 – Present Progress Energy Florida St. Petersburg, FL

Vice President – Transmission Operations and Planning

- Report to President and CEO.
- Responsible for 475 employees engaged in transmission planning, engineering, construction, project management, maintenance, and operations of the 5000 mile Progress Energy Florida transmission system.
- Responsible for generation and transmission planning function to include regulatory filing responsibility and testimony.

09/2005 – 02/2007 Progress Energy Florida St. Petersburg, FL

Vice President – South Coastal Region

- Report to Senior Vice President, Energy Delivery Florida.
- Broad responsibility for all activities in Pinellas and Pasco counties. This responsibility includes operations, customer service, and community and governmental relations. The organization consists of 375 employees, located in 6 geographically dispersed operating centers.
- Headquarters area for Progress Energy Florida, with largest customer base in Progress Energy retail service territory (650,000 customers).

05/2004 – 09/2005 Progress Energy Florida Orlando, FL

Vice President – South Central Region

- Report to Senior Vice President, Energy Delivery Florida.
- Broad responsibility for all activities in five county area, including Orange, Osceola, Polk, Highlands, and Hardee counties. This responsibility includes operations, customer service, and community and governmental relations. The organization consists of 340 employees, located in 6 geographically dispersed operating centers.
- Successfully negotiated local franchise and territorial agreements.
- Company witness for rate case proceedings before Florida Public Service Commission (FPSC).

10/2002 – 04/2004 Progress Energy Florida Orlando, FL

Director, Commitment to Excellence

- Reported to President and CEO.
- Responsible for successful $125 million transmission and distribution performance improvement program linked to FPSC rate penalties.
- Implemented project management philosophy and techniques to responsible business units.

05/2001 – 09/2002 Progress Energy Florida Orlando, FL

Director, Transmission Engineering

- Reported to Vice President, Transmission Florida.
- Implemented performance based engineering standards utilizing life-cycle design philosophy.
- Implemented strategic transmission right of way management standards.
- Fiscal responsibility for entire transmission business unit in Florida.

01/2001 – 04/2001 Progress Energy Carolina Raleigh, NC

Director, Engineering and Operations Support

- Report to Vice President, Transmission Carolina
- Implemented performance based maintenance philosophy.
- Managed short and long term planning of transmission infrastructure needs.
- Provided leadership and direction for maintenance area technical needs.

06/2000 – 01/2001 Georgia Power Company Atlanta, GA

Manager, System Operations

- Provided leadership and direction of the real-time transmission operations function. Directed two geographically dispersed 7x24 transmission control centers with responsibility for system performance and outage restoration.
- Implemented change to relocate hydroelectric dispatch function to the generation dispatch center.
- Applied transmission performance experience to control center operations.

06/1998 – 05/2000 Georgia Power Company Atlanta, GA

Manager, Metro Atlanta Maintenance Center

- Responsible for leadership and management of the transmission maintenance operation for the Metro Atlanta area.
- Directly responsible for the performance of the transmission system serving the Metro Atlanta area.
- Pioneered performance/reliability engineering philosophy within maintenance areas.
- Selected to participate in asset valuation/consulting assignment in the Philippines. Worked with National Power Corporation (now TRANSCO) in consulting role to evaluate system reliability and provide foundation for their privatization efforts.

01/1996 – 06/1998 Georgia Power Company Atlanta, GA

Manager, Transmission Support

- Provided leadership and direction for organization responsible for establishing transmission maintenance, performance, and equipment standards for operating company. Developed initial templates for company-wide standardization.
- Re-engineered section to provide more concentrated focus and reduce redundant practices.
- Driving force in implementing common maintenance and operations planning software across Southern operating companies.

03/1982 – 01/1996 Georgia Power Company Atlanta, GA

Various Transmission Positions

- Held maintenance manager position in two other locations.
- Held increasingly responsible positions in field maintenance organization with hands-on working knowledge in transmission equipment, testing, and performance.
- Spent initial four years as start-up engineer at Plant Vogtle Nuclear Station with responsibility for the high voltage switchyard.

Education

1999 – 2001 Georgia State University Atlanta, GA

Master of Business Administration

1979 – 1981 Georgia Institute of Technology Atlanta, GA

Bachelor of Electrical Engineering

1977 – 19791 Albany Junior College Albany, GA

Associate of Arts

Registered Professional Engineer, Florida/Georgia

Community activities

Board of Governors, St. Petersburg Chamber of Commerce

Board of Trustees, St. Anthony's Hospital

Board Member, Pasco Education Foundation

Board Member, St. Petersburg Downtown Partnership

JOHN A. MASIELLO

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Lake Mary, Florida 32746
(407)942-9304

EXPERIENCE

Progress Energy Florida, Lake Mary, FL **1991 - Present**
Electric Utility (formerly Florida Power)

Director, DSM & Alternative Energy Strategy (2007 – Present)
Manager, DSM & Alternative Energy Strategy (2004- 2007)
Manager, Program Development and Administration (1998 – 2004)
Product Manager (1997 - 1998)
Senior Planning Analyst (1995 - 1997)
Energy Specialist (1993 - 1994)
Energy Analyst (1992 - 1993)
Energy Services Representative (1991 - 1992)

Responsible for $70,000,000 annual Energy Conservation Cost Recovery (ECCR) budget. Manage the technical and administrative responsibilities for system wide Demand Side Management (DSM) and alternative energy programs. Coordinate the development and implementation of cost effective DSM measures consistent with state regulatory requirements. Maintain a portfolio of cost effective DSM programs and design a strategic mix of measures to achieve FPSC demand side management plan. Set system DSM goals and manage system compliance. Manage the ECCR budget to reduce cost and increase demand reduction. Develop financial models demonstrating cost to benefit ratios to maximize system benefits.

Coordinate with Regulatory Planning and Evaluation a comprehensive demand side management plan and ongoing program evaluation. Manage the inter-departmental relationships to plan marketing functions, load forecasting, trade relations, contracting, performance criteria, budget setting, legal concerns and all aspects of DSM/Installations and program management. Serve as single point of accountability for DSM activities and product installations.

Process all regulatory compliance filings and provide expert testimony on all ECCR related matters.

Florida Solar Energy Center (FSEC) Cape Canaveral, FL **1991 - 1991**
University of Central Florida – Research and Development
Research Analyst

Co-authored research paper for the Department of Community Affairs on Weatherization Assistance Programs throughout the country and recommendations for Florida. Various research projects

Rhode Islanders Saving Energy, Providence, RI **1980 - 1990**
An Energy Management Firm

Residential Manager (1986 - 1990)
Staff Supervisor (1983 - 1986)
Consulting Energy Specialist (1980 - 1982)

Responsible for the direction and implementation of energy efficiency programs and indoor air quality testing. Managed and trained staff including coordinators, energy specialists, inspectors, radon technicians, installers, crew chiefs, clerical staff and trade related contractors. Administered EPA's state radon survey. Review and submit RFP's for utilities in various energy initiative programs. Prepare and award contracts. Oversee arbitration and mediation between clients and contractors.

Coordinate public relations for Rhode Islanders Saving Energy, speaking and holding training seminars to many diversified groups to develop skills, communications and related matters.

Instructor for the residential energy training course for the State of Rhode Island including administering testing and certification to state for licensing.

Designed and administered reduced interest energy efficiency loans utilizing PVEC funds.

EDUCATION

BA Management, Warner Southern College -*Cum Laude*
MBA, University of Central Florida

LICENSES AND CERTIFICATIONS

Class 1, 2, and 3 - Building Energy Efficiency Rating System (BERS) Florida State Certification
Certified Cogeneration Professional (CCP) The Association of Energy Engineers
Certified Energy Manager (CEM) The Association of Energy Engineers
Distributed Generation Certified Professional (DGCP) The Association of Energy Engineers
Certified Business Energy Professional (BEP) The Association of Energy Engineers
Green Advantage – First level certification, Environmental Protection Agency (EPA)

REFERENCES GLADLY MADE AVAILABLE UPON REQUEST