

January 31, 1991

MEMORANDUM FOR: Frank J. Miraglia, Deputy Director
Office of Nuclear Reactor Regulation

FROM: Frank P. Gillespie, Director
Program Management, Policy Development
and Analysis Staff
Office of Nuclear Reactor Regulation

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SUBJECT: ACTION PLAN FOR REACTOR DECOMMISSIONING FUNDING PLANS

We have completed our review of power and non-power reactor decommissioning funding plan submissions. As indicated in the enclosed summary status reports, most reactor licensees have fully complied with the decommissioning funding certification requirements contained in §§50.33(k) and 50.75. For those licensees that have not fully complied, we are asking the licensees for additional information through the project managers. We expect to complete this process by January 31, 1991, for both power and non-power reactors. Two issues, legal in nature, have been referred to OGC, and so may require effort beyond January 31. These issues pertain to the appropriate wording of the certification and the degree to which the organization holding a decommissioning trust must be separate from the licensee.

Several power reactor licensees have indicated that the rate of collection of decommissioning funds will be lower than necessary until state public utility commissions (PUCs) approve higher rates. The Commission accepted this approach in the preamble to the decommissioning rule and Regulatory Guide 1.159 ("Assuring the Availability of Funds for Decommissioning Nuclear Reactors") was drafted so that utilities would be allowed until July 1994, to obtain approval from their PUCs or the Federal Energy Regulatory Commission (FERC) for rate collections for decommissioning. The staff intends to monitor the 29 utilities that fall under this category by asking for a status report on their pending rate requests in two years.

Any questions on this should be directed to Robert Wood on (x21255).

Original signed by
Frank P. Gillespie

Frank P. Gillespie, Director
Program Management, Policy Development
and Analysis Staff
Office of Nuclear Reactor Regulation

*See Previous concurrence

Enclosures:
As stated

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PDR DRG NRRB PDR

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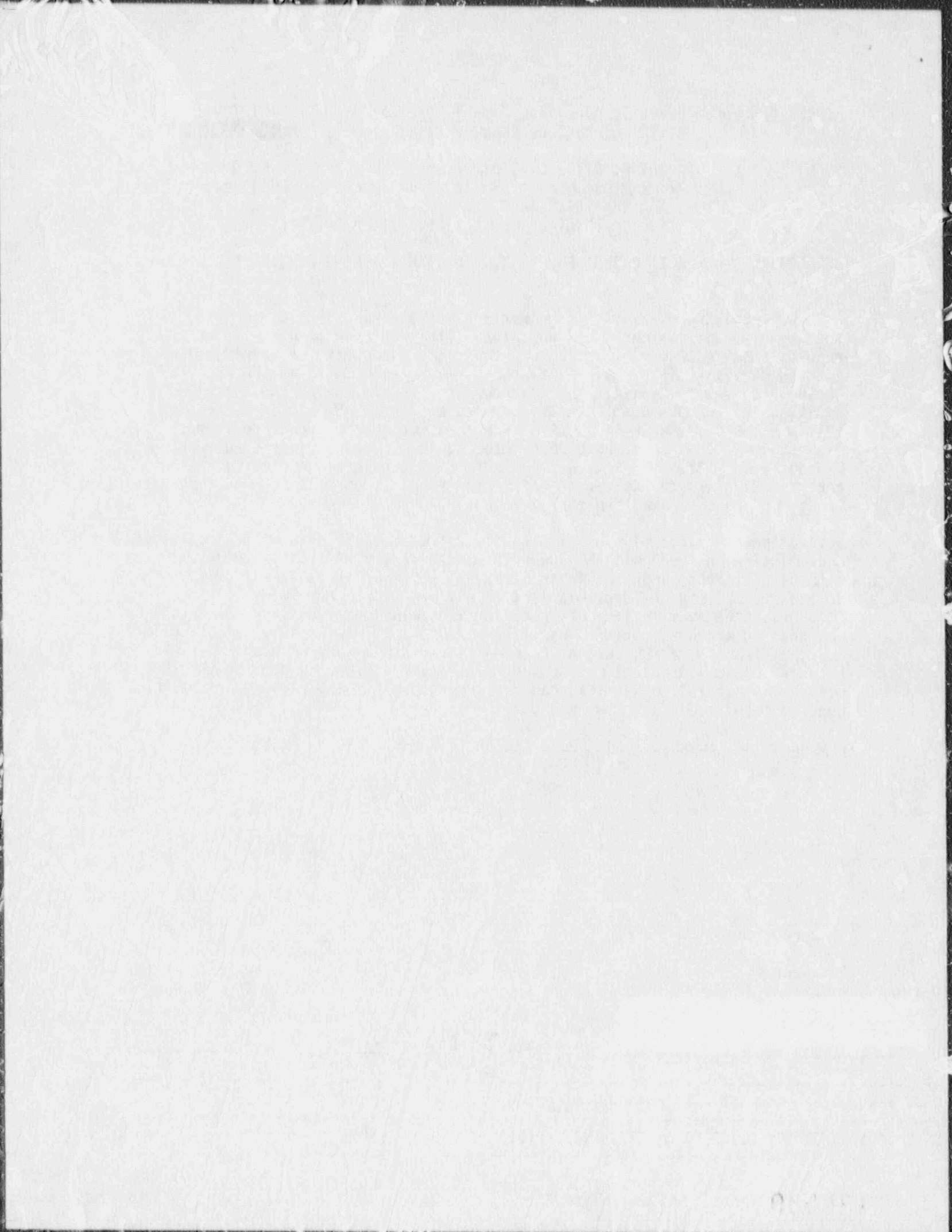
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OFC	:PTSB:NRR	:PTSB:NRR	:C:PTSB:NRR	:D:PMAS:NRR	:D:PMAS:NRR	:	:
NAME	:RWood:yo	:DNash	:AGody	:FGillespie	:SWeiss	:	:
DATE	:*01/23/91	:*01/23/91	:01/30/91	:01/30/91	:01/31/91	:	:

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Decommissioning



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As stated

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DFC	:PTSB:NRR	:PTSB:NRR	:C:PTSB:NRR	:D:PMAS:NRR	:D:PMAS:NRR	:	:
NAME	:RWood:yo	:DNash	:AGody	:FGillespie	:Sweiss	:	:
DATE	:*01/23/91	:*01/23/91	:01/23/91	:01/ /91	:01/ /91	:	:

MEMORANDUM FOR: Frank J. Miraglia, Deputy Director
Office of Nuclear Reactor Regulation

FROM: Anthony T. Gody, Chief
Policy Development and Technical Support Branch
Program Management, Policy Development
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Office of Nuclear Reactor Regulation

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Enclosures:
As stated

OFF	: FTSB:NR	: PTSB:NR	: C:PTSB:NR	: D:PHAS:NR	: D:PHAS:NR	:
NAME	: RWood:yo	: DNash	: AGody	: GGillespie	: SWeiss	:
DATE	: 01/27/91	: 01/27/91	: 01/ /91	: 01/ /91	: 01/ /91	:

Power Reactor Decommissioning Funding
Certification Report Summary

POWER REACTOR FUNDING CHART

Reactor	Owner(s) - %	Certification amt. (\$50.75(c)(1))	Inflation adj. (\$50.75(c)(2))-yr. \$	Fin. assurance instrument	Annual amortization	Status/remarks
Arkansas 1	Entergy Op. - 100%		\$121.02M - 1/88	Trust - Worthen B&T	\$8.5M	No basis for cert. amts. provided. Otherwise O.K. - check cert. basis
Arkansas 2	Entergy Op. - 100%		\$123.72M - 1/88	Trust - Simmons F.N.B.	\$9.0M	
Duane Arnold	Iowa Elct. L&P - 70%		\$104.4M - 7/89	Trust - Harris Tr.	\$2.2M --> \$61.0M	Rate increase pending with PUC & FERC (\$6.5M) for Iowa ELP. Others O.K. Trusts O.K. - O.K. overall
	Central Iowa P. Coop. - 20%		\$ 29.8M - 7/89	Trust - Norwest Bk.	\$1.6M --> \$48.1M	
	Corn Belt P. Coop. - 10%		\$ 14.9M - 7/89	Trust - Norwest Bk.	\$.8M --> \$24.0M	
		\$118.9M	\$149.2M			
Beaver Valley 1	Duquesne Lt. - 47.5%		\$ 63.6M - 1/90	Trust - Mellon Bk.	\$.9M --> \$63.6M (\$6.9M bal.)	O.K. overall
	Ohio Edison - 35%			Trust - Natl. City Bk.	\$1.5M --> \$61.6M	
	Pennsylvania Pwr. - 17.5%		\$ 70.3M - 1/90	Trust - Pittsburgh Natl. Bk.	\$.2M --> \$12.2M	
		\$98.3M	\$133.9M			
Beaver Valley 2	Duquesne Lt. - 13.74%		\$ 18.4M - 1/90	Trust - Mellon Bk.	\$.14M --> \$18.4M (\$1.26M bal.)	O.K. overall
	Ohio Edison - 41.88%		\$ 56.1M - 1/90	Trust - Natl. City Bk.	\$1.6M --> \$104.6M	
	Cleveland El. - 24.47%		\$ 32.8M - 1/90	Trust - Ameritrust	\$.75M --> \$46.9M	
	Toledo Ed. - 19.91%		\$ 26.7M - 1/90	Trust - Ameritrust	\$.6M --> \$38.1M	
		\$98.3M	\$134.0M			
Big Rock Point	Consumers Pwr. - 100%	\$114.6M	\$157.0M - 1/90	Trust - Nat'l Bank of Detroit	\$ 3.7M --> \$56.5M (current) \$19.4M --> \$170.1M (Applied for)	Revised amt. pending PSC approval. O.K. overall

Power Reactor Decommissioning Funding
Certification Report Summary (Continued)

POWER REACTOR FUNDING CHART

Reactor	Owner(s) - %	Certification amt. (\$50.75(c)(1))	Inflation adj. (\$50.75(c)(2))-yr. \$	Fin. assurance instrument	Annual amortization	Status/remarks
Braidwood 1	Commonwealth Ed. - 100%		\$129.7M - 1/88	Trust - Northern Trust Co. - for both units	\$11.9M	Pending ICC approval. Check cert. basis & yr. O.K. - except no sch. of units in trust.
Braidwood 2	Commonwealth Ed. - 100%		\$129.7M - 1/88		\$12.1M	
Browns Ferry 1	TVA - 100%		\$190.0M -	Statement of Intent - Federal Licensee	N.A.	O.K. given scale, but no basis for numbers.
Browns Ferry 2	TVA - 100%		\$190.0M - Not indicated			
Browns Ferry 3	TVA - 100%		\$190.0M -			
Brunswick 1	Carolina P&L - 81.67% (both units)	\$125.9M	\$129.4M - 1/90	Trust - Wachovia (Units 1 & 2)	U.1 - \$ 8.9M --> \$475.8M U.2 - \$ 9.3M --> \$437.9	Pending rate case approval by PSC for CP&L. Check on timing. O.K. otherwise
Brunswick 2	NCEMPA - 18.33% (both units)	\$125.9M	\$ 29.0M - 1/90 \$158.4M	Trust - Wachovia (Units 1 & 2)	U.1 - \$.7M+ --> \$106.9M U.2 - \$.7M+ --> \$ 98.3M	
Byron 1	Commonwealth Ed. - 100%		\$129.7M - 1/88	Trust - Northern Trust Co. - for both units	\$11.5M	Pending ICC approval. Check cert. basis & yr. O.K. but no sch. of units in trust.
Byron 2	Commonwealth Ed. - 100%		\$129.7M - 1/88		\$11.8M	
Callaway	Union Electric - 100%		\$136.9M - 1/90	Trust - Boatmen's Trust Co.	\$3.5M --> \$566.7M	O.K. overall
Calvert Cliffs 1	Baltimore G&E - 100%	\$ 98.8M	\$137.3M - 12/89	Trust - Fst. Nat'l Bank of MD. (both units)	\$5.5M	O.K. overall
Calvert Cliffs 2	(both units)	\$ 98.8M	\$137.3M - 12/89		\$5.1M	

Power Reactor Decommissioning Funding
Certification Report Summary (Continued)

POWER REACTOR FUNDING CHART

Reactor	Owner(s) - %	Certification amt. (\$50.75(c)(1))	Inflation adj. (\$50.75(c)(2))-yr. \$		Fin. assurance Instrument	Annual amortization		Status/remarks
			1	2		1	2	
Catawba 1	Duke Power Co. - 25% NCEMC - 56.25% Saluda Riv. E.C. - 18.75%	\$105M	\$ 20.3M	\$ 21.0M	Trust - Wachovia	\$1.2M	\$1.3M	Funding combined for units 1 & 2 (all in 1990 \$). For Duke, pending PUC approval. Owners are proportionately liable for decommissioning cost of both units.
			\$ 38.6M	\$ 38.6M	Trust - Wachovia	\$2.1M	\$2.1M	
			\$ 12.9M	\$ 12.9M	Trust - Palmetto Bk.	\$0.4M	\$0.4M	
Catawba 2	NCNPA #1 - 75.00% Piedmont MPA - 25.00%	\$105M	\$ 51.5M	\$ 51.5M	Trust - Wachovia	\$1.2M	\$1.2M	O.K. overall for both units
		\$ 17.2M	\$ 17.2M	Trust - Citizens & Southern N. Bk.	\$0.5M	\$0.5M		
			\$140.6M	\$141.1M				
Clinton	Illinois Power - 86.79% Soyland Pwr. Coop. - 13.21%		\$142.2M		Trusts - Harris Tr. & Sav. Bk.	\$3.8M -->	\$601.1M	\$3.4M until ICC approval
			\$ 21.6M		Trust - First of Amer. Trust	\$0.5M -->	\$110.3M	O.K. overall
			\$163.9M					
Comanche Peak 1 & 2	Texas Util. Electric - 100% (TMPA phasing out ownership)		1 - \$138M		Trust - Mellon Bk. (Both units)	Not provided		Basis of calc. not provided & rates pending PUC approval. Otherwise O.K. Funding for Unit 2 pending OL
Conn. Yankee	Conn. Yankee Atomic Power Co. - 100%		\$125.7M - 1/90		Trust - Conn. Bk. & Trust	Not provided		O.K. but check amortization in future
D.C. Cook 1 & 2	Indiana Michigan Power - 100%		\$170M - 89 \$170M - 89		Trust - Ft. Wayne Nat'l. Bank Lincoln Natl. Bank First Source Bank Natl Bank of Detr.	Not provided. Current book value: \$89.5M		Higher than cert. amt. of \$130.9/unit. Trust copies not provided.

Power Reactor Decommissioning Funding
Certification Report Summary (Continued)

POWER REACTOR FUNDING CHART

Reactor	Owner(s) - %	Certification amt. (\$50.75(c)(1))	Inflation adj. (\$50.75(c)(2))-yr. \$	Fin. assurance Instrument	Annual amortization	Status/remarks
Cooper	Nebraska Public Power District - 100%	\$125.4M	\$134.1 - 1/89	Trust - Firstier Bk.	\$7.1M	O.K. overall
Crystal River 3	Florida Pwr. - 90%		\$177.7M - 12/89	Trust - Southeast Bk.	\$11.0M -> \$1081.4M	O.K.
	Alachua - 0.0779%		\$99,270.0 - 12/89	Trust - Sun Bank	\$3586 -> \$0.9M	O.K.
	Bushnell - 0.0388%		\$49,444.0 - 12/89	Trust - Sun Bank	\$1515 -> \$0.5M	O.K.
	Gainesville - 1.4079%		\$ 1.8M - 12/89	Trust - Sun Bank	\$86,475 -> \$16.9M	O.K.
	Kissimmee - 0.6754%		\$ 0.8M - 12/89	Trust - Sun Bank	\$36,975 -> \$8.1M	O.K.
	Leesburg - 0.8244%		\$ 1.1M - 12/89	Trust - Sun Bank	\$45,010 -> \$9.9M	O.K.
	New Smyrna - 0.5608%		\$ 0.7M - 12/89	Restr. Dep. Agree- ment-First Union Bank	\$47,850 -> \$6.7M	? - Restricted deposit agreement with First Union Bank
	Ocala - 1.3333%		\$ 1.7M - 12/89	Trust - Sun Bank	\$0.1M -> \$16.0M	O.K.
	Orlando - 1.6015%		\$ 2.0M - 12/89	Trust - Sun Bank	\$0.1M -> \$19.2M	O.K.
	Sebring - 0.4473%		\$ 0.6M - 12/89	Trust - Sun Bank	\$48,820 -> \$5.4M	O.K.
	Seminole - 1.6994%		\$ 2.2M - 12/89	Trust - Citizens & Southern	\$0.2M -> \$33.0M	O.K.
	Tallahassee - 1.3333%		\$ 1.7M - 12/89	City Sinking Fund	\$507M -> \$11.6M	? - Not external - trust held by Tallahassee Unit
		\$97.4M	\$127.4M			
Davis - Besse	Toledo Edison - 48.62%		\$ 63.2M	Trust - Ameritrust	\$2.2M --> \$65.5M	O.K.
	Cleveland Elect. - 51.38%		\$ 66.8M	Trust - Ameritrust	\$2.2M --> \$67.0M	O.K.
			\$130.0M			
Diablo Canyon 1 & 2	Pacific Gas & Electric - 100%		> \$250M ea.	Trust - Harris Tr.	\$54.5M (both)	O.K.
Dresden 1	Commonwealth Edison -		\$135.4M 1988	Trust - Northern	\$16.7M	Exemption req. for storage period collection for unit 1.
Dresden 2	100%		\$149.4M 1988	Trust Co.	\$17.6M	

Power Reactor Decommissioning Funding
Certification Report Summary (Continued)

POWER REACTOR FUNDING CHART

Reactor	Owner(s) - %	Certification amt. (\$50.75(c)(1))	Inflation adj. (\$50.75(c)(2))-yr. \$	fin. assurance instrument	Annual amortization	Status/remarks
Dresden 3			\$149.4M 1988			Pending ICC approval. Check cert. basis & year. O.K., but no sch. of units in trust
Farley 1	Alabama Power - 100%	\$ 98.3M	\$129.3M - 12/89	Trust - First Alabama Bank	\$5.2M --> \$443.6M	Contributions pending PUC approval in 1991 - O.K.
Farley 2	(both units)	\$ 98.3M	\$129.3M - 12/89		\$5.4M --> \$529.0M	
Fermi 1	Detroit Ed. - 100%		\$10.5M - '89 (site-specific)	Trust - Nat'l Bank of Detroit	\$4.1M --> \$60.8M \$3.3M to '94	Partial deferral of collection into SAFSTOR period. O.K.-increased amort. pending PUC approval
Fermi 2	Detroit Ed. - 100%	\$133.6M	\$171.1M - '90	Trust - Nat'l Bank of Detroit	\$5.5M post '94 --> \$943.5M	
Fitzpatrick	New York Power Authority - 100%	\$126.0M	\$165.0M - '90	Trust - Bank of NY	\$9.7M Curr. bal. = \$116.1M for Fitz. & IP1	O.K.
Fort Calhoun	Omaha Publ. Power Dist. - 100%	\$ 88.2M	\$106.5M - '90	Trust - 1st Nat'l Bank of Omaha	\$4.1M + \$31.8M balance	O.K.
Fort St. Vrain	Publ. Service of Colorado - 100%		\$ 80.9M - '89 (site-specific)	Trust - Am. Nat'l Bank of Denver		Exemption request pending for collection into SAFSTOR period. Change to imm. dismantlement.
R. E. Ginna	Rochester G&E - 100%	\$ 88.4M	\$124.1M - '90	Trust - Mellon Bk.	\$9.0M --> \$232.4M	O.K.
Grand Gulf	System Energy Resources, Inc. - 90%	\$135.0M	\$155.8M - 12/89	Trust - Irving Tr.	\$9.7M --> \$192.4M	O.K.
	South Miss. El. Power Assn. - 10%		\$ 17.3M - 12/89	Trust - Trustmark Natl. Bk.	\$0.4M --> \$129.5M	
			\$173.1M			

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Power Reactor Decommissioning Funding
Certification Report Summary (Continued)

POWER REACTOR FUNDING CHART

Reactor	Owner(s) - %	Certification amt. (\$50.75(c)(1))	Inflation adj. (\$50.75(c)(2)) / yr. \$	Fin. assurance instrument	Annual amortization	Status/remarks
Shearon Harris	Carolina P&L - 83.83% NCEMPA - 16.17%		\$108.8M - 1/90 \$ 21.4M - 1/90	Trust - Wachovia Bk. Trust - Wachovia Bk.	\$5.9M --> \$655.8M \$.4M --> \$126.5M	Pending rate approval. <u>O.K.</u>
		\$ 99.4M	\$129.8M			
Hatch 1 & 2	Georgia Pwr. - 50.1% Oglethorpe Pwr. - 30.0% MEAG - 17.7% Dalton - 2.2%			Trusts - Bank South Trust - Citizens & Southern Trusts - Citizens & Southern Escrow - Citizens & Southern (prepaid)	¹ \$229.3M \$137.4M \$ 81.0M \$ 10.1M ² \$270.7M \$162.2M \$ 95.6M \$ 12.0M \$457.8M \$540.5M (end balances only)	Full funding deferred pending PUC approval. Otherwise <u>O.K.</u> for all.
		\$125.9M	\$158.7M 12/89			
Hope Creek	Public Serv. E&G - 95% Atlantic City Elec. 5%		\$165.2M '90 \$ 8.7M '90	Trust - Boston Safe Dep. Trust - Irving Tr.	\$4.6M \$0.2M	<u>O.K.</u>
		\$133.6M	\$173.9M			
Humboldt Bay	Pacific G&E - 100%	\$58M	\$80M site- specific	Trusts - Harris Tr.	Bal = \$51M	<u>O.K.</u> - funding to be com- pleted by Mid-1991.
Indian Point 1	Con. Ed. - 100%		\$218.1M '89	Trust - Harris Tr.	Bal = \$37.1M	Plants not differentiated -
Indian Point 2	(Units 1 & 2)		(combined)		(combined)	needs clarification
Indian Point 3	New York Pwr. Auth. - 100%		\$135M '90	Trust - Bank of NY	\$7.5M	<u>O.K.</u>

Power Reactor Decommissioning Funding
Certification Report Summary (Continued)

POWER REACTOR FUNDING CHART

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Reactor	Owner(s) - %	Certification amt. (550.75(c)(1))	Inflation adj. (550.75(c)(2))-yr. \$	Fin. insurance instrument	Annual amortization	Status/remarks
Kewaunee	Wisconsin Publ. Serv. - 41.2%			Trust - Harris Tr.	Not given	O.K. - but ck. on actual amortization
	Wisc. P&L - 41%			Trust - Marshall & Hilsley	Bal > \$16M (combined)	
	Madison G&E - 17.8%			Trust - 1st Wisc. Bank of Mad.		
			\$ 99.03M			
LaCrosse	Dairyland Power Coop - 100%		\$91M (future \$ based on site-specific est. (\$20M - 83%))	Trust - Marshall & Hilsley	\$1.2M --> \$91.0M \$15.9M bal.	O.K. - if Comm. adopts recommended policy for older plants
LaSalle 1	Commonwealth Ed. - 100%		\$157.9M - 1/88	Trust - Northern Trust	\$13.4M	Pending IFC approval. Ck. cert. basis and year O.K. O.K. but no sch. of units in trust
LaSalle 2			\$157.9M - 1/88		\$13.4M	
Limerick 1	Philadelphia El. - 100% (both units)	\$135.0M	\$173.9M - 12/89	Trust - Fst. PA Bk. Escrow - Fst. PA Bk.	\$5.3M --> \$175M	O.K.
Limerick 2		\$135.0M	\$173.9M - 12/89		\$12.5M bal. \$4.4M --> \$17.9M	
Maine Yankee	Maine Yankee At. Power Co. (10 owners)	\$98.8M	\$134.8M - 12/89	Trust - Maine Nat'l. Bank	\$9.1M --> \$188.7M	O.K.
McGuire 1	Duke Power Co. - 100%		\$137.3M - '90 (\$147.4M site- spec.)	Trust - Wachovia Bank & Tr.	\$9.3M --> \$445.3M	O.K. pending PUC approval in '91
McGuire 2			\$137.3M - '90 (\$144.1M site- spec.)		\$9.0M --> \$751.8M	
Millstone 1	Conn. Lt. & Pwr. - 81%		\$163.6M - '90	Trust - Colonial Bk. (both owners)	Not given	O.K.
Millstone 2	West. Mass. El. - 19%		\$136.3M - '90			

Power Reactor Decommissioning Funding
Certification Report Summary (Continued)

POWER REACTOR FUNDING CHART

Reactor	Owner(s) - %	Certification amt. (\$50.75(c)(1))	Inflation adj. (\$50.75(c)(2))-yr. \$	Fin. assurance Instrument	Annual amortization	Status/remarks
Millstone 3	Ct. Lt. & Pwr. - 52.933% CMEEC - 1.087% WMEC - 12.2385% New Eng. Pwr. - 12.205% United Illum. - 3.685% PSNH - 2.8475% Cent. Vermont - 1.7303% Montaup - 4.009% Fitchburg G&E - 0.217% Mass. M&C - 4.799% Cent. Maine Pwr. - 2.5% Lyndonville - 0.0497% Vermont El. Gen. - 0.35% Chicopee - 1.35%		\$144.9M - '90	Trust - Colonial Bank (lead owners as agents for all owners) sub-trusts by owner	Not given	O.K.
Monticello	Northern States Power - 100%	\$119.0M	\$136.5M - '90	Trust - Mellon Bk.	Ext. fund denied by PUC \$11.4M --> \$417.4M	Pending resubmittal of rate request to PUC
Nine Mile Pt. 1	Niagara Mohawk - 100%	\$120.6M	\$162.6M - 12/89	Trust - Mellon Bk.	\$17.9M --> \$405.1M	O.K. - pending PUC appr.
Nine Mile Pt. 2	Niagara Mohawk - 41% Rochester G&E - 14% NY State E&G - 18% Central Hudson - 9% Lilco - 18%		\$ 74.0M - 12/89 \$ 25.3M - 12/89 \$ 32.3M - 12/89 \$ 16.2M - 12/89 \$ 32.5M - 12/89	Trust - Mellon Bk. Trust - Mellon Bk. Trust - Bankers Tr. Trust - Bank of NY Trust - Mellon Bk.	\$4.5M --> \$457.3M \$1.1M --> \$103.7M \$1.6M --> \$198.6M \$0.0M --> \$97.9M \$1.6M --> \$198.6M	O.K. - pending PUC appr.
		\$133.9M	\$180.5M - 12/89			

Power Reactor Decommissioning Funding
Certification Report Summary (Continued)

POWER REACTOR FUNDING CHART

Reactor	Owner(s) - %	Certification amt. (50.75(c)(1))	Inflation adj. (50.75(c)(2))-yr. \$	Fin. assurance instrument	Annual amortization	Status/remarks
North Anna 1 & 2	Veeco - 88.4% (89.6% of decomm. cost) Old Dominion El. Coop. - 11.6% (10.4% of decomm. cost)	\$100.5M/unit	\$114.9M	Trs. - Crestar Bk. & United VA Bk.	\$11.2M --> \$2.6B	O.K.
			\$ 13.4M	Tr. - Litten, Sipe & Miller	\$17.9M bal. (pre-payment)	Needs to certify to specific amt. & indicate future adjustments & assumptions
Oconee 1 - 3	Duke Power - 100%		\$127.7 (all units) '90	Trust - Wachovia Bank (all units)	\$10.0M --> \$417.5M	O.K. - pending PUC rate approval.
			1 (\$139.0 - site-specific.)		\$10.1M --> \$449.5M	
			2 (\$139.4 - site-specific.)		\$11.6M --> \$581.6M	
			3 (\$165.1 - site-specific.)			
Oyster Creek	Jersey Central P&L - 100%	\$121.4M	\$151.6M - '89	Tr. - Midlantic Nat'l Bank	\$11.3M	O.K. - pending PUC rate approval
Palisades	Consumers Power Co.		\$141.2M - '90 (\$267.8M site-specific)	Tr. - Nat'l Bank of Detroit	\$25.5M --> \$326.8M	O.K. - pending PUC rate approval
Palo Verde 1-3	Arizona P.S. Co. - 29.1% Salt River Proj. - 17.4% El Paso Elect. - 15.8% P.S. of New Mex. - 10.2%		\$ 33.9M per unit	Trs. - Harris Trust	\$0.8M per unit	O.K.
			\$ 20.1M per unit	Tr. - Marshall & Ilsley	\$2.0M per unit	O.K.
			\$ 11.9M per unit	Trs. - Fst. City El Paso & Sec. Pacific Bks.	\$0.5M per unit	O.K.
			\$ 11.9M per unit	Tr. - Fst. Interstate Bk. of Albuquerque	\$0.3M per unit	O.K. - inv. in whole life ins.

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Power Reactor Decommissioning Funding
Certification Report Summary (Continued)

POWER REACTOR FUNDING CHART

10

Reactor	Owner(s) - %	Certification amt. (§50.75(c)(1))	Inflation adj. (§50.75(c)(2))-yr. \$	Fin. assurance instrument	Annual amortization	Status/remarks
	S. Cal. Edison - 15.8% LA Dept. of Water & Pwr. - 5.7% So. Cal. Pub. Pwr. Auth. - 5.91%		\$ 18.4M per unit \$ 6.6M per unit \$ 6.9M per unit	Tr. - Harris Trust Tr. - Security Pac. Bk. Tr. - Security Pac. Bk.	Not spec. \$0.2M per unit \$0.2M per unit	<u>O.K.</u> <u>O.K.</u> <u>O.K.</u>
	100%	\$105.0M per unit	\$116.6M - 12/89 per unit			All owners/units <u>O.K.</u>
Peach Bottom 1	Phila. Electric - 100%		\$18.1M - site-specific - 3/90	Escrow - Fst. PA Bk.	Not spec.	<u>O.K.</u> - Payments into SAFSTOR period pending approval by comm.
Peach Bottom 2 & 3	Phila. Elec. - 42.49% Pub. Serv. E&G - 42.49% Atl. City El. - 7.51% Delmarva P&L - 7.51%		\$ 73.9M/unit \$ 73.9M/unit \$ 13.1M/unit \$ 13.1M/unit	Tr. & Escrow - Fst. PA Bk. (\$13.4 comb. bal/unit) Tr. - Boston S.D & Tr. Tr. - Irving Tr. Tr. - Irving Tr.	\$4.1M per unit \$4.1M per unit \$0.3M per unit \$0.7M per unit	<u>O.K.</u> <u>O.K.</u> <u>O.K.</u> <u>O.K.</u>
	100%	\$133.6M	\$173.9M/unit - 12/89			All owners/units <u>O.K.</u>
Perry	Cleveland Elec. Ill. - 31.11% Toledo Ed. - 19.91% PA Power - 5.24% Duquesne Lt. - 13.74% Ohio Ed. - 30.0%		\$ 52.9M \$ 33.8M \$ 8.9M \$ 23.4M \$ 51.0M	Tr. - Ameritrust Tr. - Ameritrust Tr. - 1st Nat'l Bk. W. PA Tr. - Mellon Bk. Tr. - Nat'l City Bk.	\$1.0M --> \$58.0M \$0.6M --> \$37.2M \$0.1M --> \$3.4M \$0.3M \$1.2M --> \$75.6	<u>O.K.</u> <u>O.K.</u> <u>O.K.</u> <u>O.K.</u> <u>O.K.</u>
	100%	\$135M	\$170.0M 12/89			

Power Reactor Decommissioning Funding
Certification Report Summary (Continued)

POWER REACTOR FUNDING CHART

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Reactor	Owner(s) - %	Certification amt. (\$50.75(c)(1))	Inflation adj. (\$50.75(c)(2))-yr. \$	Fin. assurance instrument	Annual amortization	Status/remarks
Pilgrim	Boston Edison - 100%	\$122.0M	\$141.M 3/90	Tr. - State Street Bk. & Tr.	\$4.9M --> \$141.1 (\$37.8M current bal.)	O.K.
Point Beach 1 & 2	Wisconsin Elec. Pwr. - 100%	\$88M/unit	\$190M both units	Tr. - First Wisc. Tr.	\$12.2M both units (\$146M curr. bal.)	O.K.
Prairie Island 1 & 2	Northern States Pwr. - 100%	\$90.5M/unit	\$107.0M/unit - 1/90	Trs. - Mellon Bk.	\$8.5M --> \$389.6M \$8.0M --> \$410M	O.K. subject to PUC approv.
Quad. Cities 1 & 2	Commonwealth Ed. - 75% Iowa-Illinois G&E - 25%	\$126.6M	\$112M/unit - '88 \$39.9M/unit - '90	Tr. - Northern Tr. Tr. - Harris Tr.	\$12.8M/unit \$2.9M/unit --> \$185.4M	O.K. - see note at Braidwood O.K. - pending Iowa PUC approv.
Rancho Seco	Sacramento Mun. Util. Dist. - 100%		Site-specific study in process	Not provided	\$55M - '91 \$2M/yr. after --> \$250.1M	Exemption for collection into SAFSTOR pending
River Bend	Gulf States Util. - 70% Cajun El. Pwr. Coop. - 30%		\$123.3M - 1/90 \$ 52.8M - \$176.1M - site-spec. (> \$163.5M cert.) - 1/90	Tr. - Morgan Guar. Tr. - Hibernia Nat'l Bk.	Not provided Not provided	O.K. - ch. amort. schedules O.K. - ch. amort. schedules
Robinson 2	Carolina Pwr. & Lt. - 100%	\$95.2M	\$124.4M - 1/90	Tr. - Wachovia	\$10.7M --> \$339.5M	O.K., but pending deferred rate cases
St. Lucie 1	Florida P&L - 100%	\$98.8M	\$130.4M - 1/90	Tr. - State St. Bk. & Tr.	\$5.7M --> \$200.3M	O.K.
St. Lucie 2	Florida P&L - 85.4%		\$111.3M	Tr. - State St. Bk. & Tr.	\$4.9M --> \$198.7M	O.K.

Power Reactor Decommissioning Funding
 Certification Report Summary (Continued)

Reactor	Owner(s) - %	Certification amt. (\$50.75(c)(1))	Inflation adj. (\$50.75(c)(2))-yr. \$	Fin. assurance instrument	Annual amortization	Status/remarks
	F1. Mun. Par. Agy. - 8.6% Orlando Util. Com. - 6.0% (Varies from actual ownership)		\$ 11.3M	Tr. - Sun Bk.	\$0.5M --> \$34.2M	O.K.
			\$ 7.8M	Tr. - Sun Bk.	\$0.2M --> \$16.3M	O.K.
			\$130.4M - 1/90			
Salem 1 & 2	Phila. Elec. - 42.59% Publ. Serv. E&G - 42.59% Atl. City El. - 7.41% Delmarva P&I - 7.41%	\$105.9M/ut	\$60.5M/unit	Tr. & Escr. - 1st. PA Bank Tr. - Boston S.D. & Chase Manhattan Tr. - Irving Tr. Tr. - Irving Tr.	\$2.3M/unit \$2.3M/\$2.8M 1)\$0.6M --> \$32.7M 2)\$0.7M --> \$38.2M 1)\$0.4M --> \$34.8M 2)\$0.6M --> \$34.7M	Assumes Lic. ext. to 2020 for 2 and 2016 for 1 O.K. for all
San Onofre 1	So. Cal. Ed. - 80% San Diego G&E - 20%	\$ 69.5M \$ 17.4M \$ 86.9M	Not given Not given	Trs. - Harris Tr. Trs. - Harris Tr.	Not given Not given	No cert. update amt. given O.K. given Cal. PUC policy
San Onofre 2 & 3	So. Cal. Ed. - 75.05% San Diego G&E - 20.0% Anaheim - 3.16% Riverside - 1.79%	\$ 78.7M/unit \$ 21.0M/unit \$ 3.3M/unit \$ 1.9M/unit \$104.8M/unit	Not given Not given Not given Not given	Trs. - Harris Tr. Trs. - Harris Tr. Tr. - Bank of Cal. Tr. - Bank of Cal.	Not given Not given Not given Not given	No Cert. update amt. given O.K. given Cal. PUC policy Need Riverside Trust
Seabrook	Pub. Service of NH & 11 co-owners - 100% (Joint certification)		\$290.2M (site-specific)	Tr. - First NH Investment Serv. (Treasurer of State of NH as superv.)	\$4.6M --> \$1.3B	O.K.

Power Reactor Decommissioning Funding
Certification Report Summary (Continued)

POWER REACTOR FUNDING CHART

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Reactor	Owner(s) - %	Certification amt. (\$50.75(c)(1))	Inflation adj. (\$50.75(c)(2))-yr. \$	Fin. assurance instrument	Annual amortization	Status/remarks
Sequoyah 1 & 2	Tennessee Valley Auth. - 100%		\$150M/unit	Statement of Intent - Fed. Licensee	Not incl.	O.K. given scale, but no basis provided for cert. \$ amount
Shoreham	Long Island Light. - 100%		Not provided	Not provided	Not provided	Exemption request
South Texas 1 & 2	Houston I&P - 30.8% Central P&L - 25.2% San Antonio - 28.0% Austin - 16.0%			Tr. - Mellon Bk. Tr. - Mellon Bk. Tr. - Frost Nat'l Bk. Tr. - Bank One, TX	Amts. not provided but cert. to straight-line amort.	O.K. - HLP & Austin Trusts undated but cert. of execution
	<u>100%</u>	<u>\$105M</u>	<u>\$136.5M 1/90</u>			
Summer	South Carolina E&G - 66.67% S.C. Publ. Serv. Auth. - 33.33%			Tr. - Citizen's & Southern Tr. - Citizen's & Southern	Not given \$0.6M	O.K. - investment component of empl. life insurance O.K.
		<u>\$99.4M</u>	<u>\$130.8M - '90</u>			
Surry 1 & 2	Virginia El. Pwr. - 100%	\$96.5M/unit	\$123.2M/unit - 1/90	Trs. - Crestar Bk.	\$7.2M/unit --> \$366.0M	O.K.
Susquehanna 1 & 2	PA Pwr. & Lt. - 90%		\$157.6M/unit	Tr. - Fst. PA Bank	\$6.5M/both --> \$337M (\$37.4M bal.) (1: \$3.6M; 2: \$2.9M)	O.K.
	Allegheny El. Coop - 10%		\$ 17.5M/unit	Tr. - Mellon Bk.		? - no specific statement of funds collection
		<u>\$133.6M/unit</u>	<u>\$175.1M/unit 12/89</u>			

Power Reactor Decommissioning Funding
Certification Report Summary (Continued)

POWER REACTOR FUNDING CHART

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Reactor	Owner(s) - %	Certification amt. (\$50.75(c)(1))	Inflation adj. (\$50.75(c)(2))-yr. \$	Fin. assurance instrument	Annual amortization	Status/remarks
T-1 1	Jersey Central - 25%	\$97.5M	\$123.0M '89	Trs. - Midlantic Nat'l Bk.	\$11.0M total/all owners	TMI-1 - O.K. for all owners
2	Met-Ed. - 50% PA Elect. - 25% (both units)	\$99.4M	\$195.6M '89 (from generic accident study)	Trs. - York Bk. & Tr. Trs. - Penn Bank York Bk. & Tr.	\$19.1M total/all owners	TMI-2 Trust not provided for JCP&L. TMI-2 pending Commis. policy approval
Trojan	Portland Gen'l El. - 67.5% Pacific Pwr. & Lt. - 2.5% Eugene Wat. & El. - 30%		\$111.3 - '88	Tr. - Bankers Tr. Tr. - Bankers Tr. Tr. - Seattle Fst. Bk.	Not provided	Pending rate approval - no amort. schedule - O.K.
Turkey Point 3 & 4	Florida Pwr. & Lt. - 100%		\$124.5M/unit 1/90	Tr. - State Str. Bk. & Trust	\$5.7M --> \$139.3 (\$42.3M bal.) per unit	O.K.
Vermont Yankee	Vermont Yankee N.P. Corp - 100%		\$190M 1/90 (site specific) \$140.8M cert. 1/90	Tr. - Chittendon Tr./Howard Bank	Not provided \$46.0M current bal.)	O.K. - FERC approval of substantial annual deposits was given
Vogtle 1 & 2	Georgia Pwr. - 45.7% Oglethorpe - 30.0% Mun. El. Auth. - 22.7% of GA Dalton - 1.5%	\$105M/unit	\$137.4/unit - 12/89	Tr. - Bank South Tr. - Southern Tr. Tr. - Cit. & So. Nat'l Tr. Tr. - Cit. & So. Nat'l Tr. (pre-payment)	\$1.5M/unit \$677.5M \$0.8M/unit \$425.6M \$0.8M/unit \$321.9M \$23.1M	O.K. for all

Power Reactor Decommissioning Funding
 Certification Report Summary (Continued)

Reactor	Owner(s) - %	Certification amt. (§50.75(c)(1))	Inflation adj. (§50.75(c)(2))-yr. \$	Fin. assurance instrument	Annual amortization	Status/remarks
WPPSS 2	Washington Publ. Pwr. Supply Syst. - 100%	\$135.0M	Not given (see remarks)	Tr. - Seafirst Bk.	Not given	Commitment to send NRC report of current value (at escalated rates) every Aug. 1 - <u>O.K.</u>
Waterford 3	Louisiana P&L - 100% (incl. sale/leaseback)		\$148.2M - '90 (\$221.9M - funding target - '90)	Tr. - Fst. Nat'l Bk. of Commerce	\$4M --> \$1.04B	<u>O.K.</u>
Wolf Creek	Kansas G&E - 47% Kansas City P&L - 47% Kansas El. Pwr. Coop - 6%	\$105M	Not provided but certify to 1990 amt. & future adjustments	Tr. - Marine Midland Tr. - Boatmen's Tr. Tr. - Commerce Bk.	\$0.8M \$1.5M \$0.2M	<u>O.K.</u> given cert. wordings
Yankee Atomic (Yankee-Rowe)	Yankee Atomic El. Co. - 100%		\$100.9M - '90	Tr. - Mellon Bk.	\$5.7M --> \$140.7M (+\$37.7M tax carryback)	Reliance on tax credits against NRC policy
Zion 1 & 2	Commonwealth Edison - 100%		\$127.9M/unit - '88	Tr. - Northern Tr.	\$13.3M/unit	<u>O.K.</u> - see remark at Braidwood