



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

AE 49-1
PDR
004

JAN 13 1993

MEMORANDUM FOR: Lloyd J. Donnelly, Director
Financial Management, Procurement
and Administrative Staff, RES

FROM: Jesse L. Funches
Deputy Controller

SUBJECT: FY 1993 BUDGET -- 100 PERCENT FEE RECOVERY

OC is developing a rule to assess FY 1993 license and annual fees to collect 100 percent of the NRC budget authority based on Public Law 101-508.

With respect to the FY 1993 budget for the Nuclear Safety Research (NSR) program, the following FY 1993 new budget authority has been identified for reactor licensees (See Enclosure 1 for details):

	<u>Direct FTE</u>	<u>Program Support (\$, K)</u>
Reactors	117.6	\$84,335
Overhead	66.3	-0-
US - CIS Coop Agreement	<u>.1</u>	<u>1,500</u>
Total	184.0	\$85,835

As in the past, Part 171 operating power reactor annual fees will be based, as appropriate, on the type of reactor (PWR, BWR or HTGR); the reactor vendor (B&W, CE, GE and Westinghouse) and the location of the reactor e.g., seismic review costs may vary from region to region. Please review the reactor costs and provide OC with a detailed allocation, by program element and activity, of the costs by reactor type, reactor vendor and reactor location (East of Rockies, West of Rockies).

Lloyd J. Donnelly

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We would appreciate receiving the information requested relating to reactors as quickly as possible but no later than COB January 27, 1993. Thank you for your assistance in this matter.

Direct any questions you or your staff may have to James Holloway on X24301.

Original signed by Jesse Funches

Jesse L. Funches
Deputy Controller

Enclosure:
As stated

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OFFICE	:OC	:OC
NAME	:JHolloway	:JFunches
DATE	:1/1/93	:1/15/93

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ENCLOSURE 1

ALLOCATION OF RSR FY 1993 NEW BUDGET AUTHORITY FOR FEES

13-Jan-93

TOTAL FY 1993		----- POWER REACTORS		INCLUDED IN SURCHARGE		INCLUDED IN HOURLY RATE	
\$	FTE	\$	FTE	\$	FTE	\$	FTE

PROGRAM ELEMENT: Reactor Licensing Support

ACTIVITY: Standard Reactor Designs

SUBACTIVITIES:

1. Engineering Issues for Advanced Reactor Designs	6,550	5.0	6,550	5.0		
2. Systems Performance of Advanced Light-Water Reactors	10,400	8.0	10,400	8.0		
3. Systems Performance of Advanced Non-Light Water Reactors	1,450	4.0	1,450	4.0		
Advanced Reactor Risk Analysis	200	3.6	200	3.6		
Advanced Reactor Safety Issues	0	0.0	0	0.0		
6. Regulatory Application of New Source Terms	800	4.0	800	4.0		
7. Advanced Reactor Regulatory Standards	800	5.0	800	5.0		
8. Overhead	0	17.4			0	17.4

ACTIVITY TOT: Standard Reactor Designs

PROGRAM SUPPORT/FTE	\$20,200	47.0	\$20,200	29.6	\$0	0.0	\$0	17.4
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13-Jan-93

TOTAL FY 1993		----- POWER REACTORS		INCLUDED IN SURCHARGE		INCLUDED IN HOURLY RATE	
\$	FTE	\$	FTE	\$	FTE	\$	FTE

ACTIVITY: Reactor Aging and License Renewal

SUBACTIVITIES:

1. Pressure Vessel Safety	8,816	3.7	8,816	3.7			
2. Piping Integrity	2,470	1.0	2,470	1.0			
3. Inspection Procedures and Techniques	1,850	0.8	1,850	0.8			
4. US-CIS Cooperative Agreement	1,500	0.1			1,500	0.1	
5. Aging of Reactor Components	5,893	3.8	5,893	3.8			
Engineering Standards Support	1,350	2.7	1,350	2.7			
.. Structural Integrity	636	0.3	636	0.3			
8. License Renewal Regulatory Standards	480	1.0	480	1.0			
9. Overhead	0	8.6				0	8.6

ACTIVITY TOTAL: Reactor Aging and License Renewal

PROGRAM SUPPORT/FTE	\$22,993	22.0	\$21,493	13.3	\$1,500	0.1	\$0	8.6
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PROGRAM ELEMENT TOTAL: Reactor Licensing Support

PROGRAM SUPPORT/FTE	\$43,193	69.0	\$41,693	42.9	\$1,500	0.1	\$0	26.0
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13-Jan-93

	TOTAL FY 1993		----- POWER REACTORS		INCLUDED IN SURCHARGE		INCLUDED IN HOURLY RATE	
	\$	FTE	\$	FTE	\$	FTE	\$	FTE
PROGRAM ELEMENT: Reactor Regulation Support								
ACTIVITY: Plant Performance								
SUBACTIVITIES:								
1. Reactor Safety Experiments	644	1.0	644	1.0				
2. Safety Code Development and Maintenance	956	1.0	956	1.0				
3. Operating Reactor Assessments	1,200	1.0	1,200	1.0				
4. Overhead	0	2.0					0	2.0
PROGRAM SUPPORT/FTE	\$2,800	5.0	\$2,800	3.0	\$0	0.0	\$0	2.0
ACTIVITY: Human Reliability								
SUBACTIVITIES:								
1. Personnel Performance	810	2.2	810	2.2				
2. Human-System Interface	2,580	1.2	2,580	1.2				
3. Organizational Factors	310	0.0	310	0.0				
4. Data Acquisition and Management Systems	805	1.8	805	1.8				
5. HRA/PRA Methods and Applications	1,645	2.0	1,645	2.0				
6. Overhead	0	3.8					0	3.8
PROGRAM SUPPORT/FTE	\$6,150	11.0	\$6,150	7.2	\$0	0.0	\$0	3.8

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	TOTAL FY 1993		----- POWER REACTORS		INCLUDED IN SURCHARGE		INCLUDED IN HOURLY RATE	
	\$	FTE	\$	FTE	\$	FTE	\$	FTE
1. Reactor Risk Analysis	7,250	7.5	7,250	7.5				
2. Accident Management	800	4.0	800	4.0				
3. Containment Performance	6,152	4.0	6,152	4.0				
4. Severe Accident Phenomenology	4,925	3.0	4,925	3.0				
5. Reactor Containment Structural Integrity	850	1.5	850	1.5				
6. Severe Accident Implementation	2,125	6.0	2,125	6.0				
Overhead	0	15.0					0	15.0
PROGRAM SUPPORT/FTE	\$22,102	41.0	\$22,102	26.0	\$0	0.0	\$0	15.0

ACTIVITY: Reactor Accident Analysis

SUBACTIVITIES:

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13-Jan-93

TOTAL FY 1993		----- POWER REACTORS		INCLUDED IN SURCHARGE		INCLUDED IN HOURLY RATE	
\$	FTE	\$	FTE	\$	FTE	\$	FTE

ACTIVITY: Safety Issue Resolution and Regulatory Improvements

SUBACTIVITIES:

1. Earth Sciences	1,900	2.5	1,900	2.5		
2. Plant Response to Seismic and Other External Events	900	2.1	900	2.1		
3. Generic Safety Issue Resolution	4,150	24.1	4,150	24.1		
4. Reactor Regulatory Standards	500	5.1	500	5.1		
5. Reactor Radiation Protection and Health Effects	1,540	4.7	1,540	4.7		
Research Educational Grants	1,246	0.0	1,246	0.0		
7. Small Business Innovation Research	1,354	0.0	1,354	0.0		
8. Overhead	0	19.5			0	19.5

ACTIVITY TOTAL: Safety Issue Resolution and Regulatory Improvements

PROGRAM SUPPORT/FTE	\$11,590	58.0	\$11,590	38.5	\$0	0.0	\$0	19.5
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PROGRAM ELEMENT TOTAL: Reactor Regulation Support

PROGRAM SUPPORT/FTE	\$42,642	115.0	\$42,642	74.7	\$0	0.0	\$0	40.3
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ALLOCATION OF RSR FY 1993 NEW BUDGET AUTHORITY FOR FEES

13-Jan-93

PROGRAM SUMMARY

PROGRAM SUPPORT:

	TOTAL FY 1993		----- POWER REACTORS		INCLUDED IN SURCHARGE		INCLUDED IN HOURLY RATE	
	\$	FTE	\$	FTE	\$	FTE	\$	FTE
Direct Resources	\$85,835	117.7	\$84,335	117.6	\$1,500	0.1	\$0	0.0
Overhead	\$0	66.3	\$0	0.0	\$0	0.0	\$0	66.3
PROGRAM SUPPORT/FTE TOTAL	\$85,835	184.0	\$84,335	117.6	\$1,500	0.1	\$0	66.3