FY 2017
PROPOSED
FEE RULE
WORK PAPERS

FY 2017

Proposed Fee Rule

Work Papers

The supporting information to the FY 2017 Proposed Fee Rule is contained in the following work papers. The items identified in the Table of Contents are located behind a corresponding Tab. At the beginning of each Tab is a cross reference, if appropriate, to the location of the subject matter and Tables found within the Final Fee Rule Document. For example, a reference to "**Section II.**" is the supporting information for: **Section II.** FY 2017 Fee Collection **A.** Amendments to 10 CFR Part 170 **1.** Hourly Rate.

The complete outline of the FY 2017 Proposed Fee Rule showing the Section and Table titles is located immediately following the Table of Contents.

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Budget and Fee Recovery

Section III

Table I

The NRC's total budget authority for FY 2017 is $952.1 million. The non-fee items include $1.4 million for WIR activities, $18.0 million for generic homeland security activities, $1.0 million for Defense Nuclear Facilities Safety Board and $5.0 million for Advanced Reactor Regulatory Infrastructure activities. Based on the 90 percent fee-recovery requirement, the NRC will have to recover approximately $834.0 million in FY 2017 through Part 170 licensing and inspection fees and Part 171 annual fees. The amount required by law to be recovered through fees for FY 2017 would be $48.9 million less than the amount estimated for recovery in FY 2016, a decrease of 5.5 percent.

The FY 2017 fee recovery amount is decreased by $0.6 million to account for billing adjustments (i.e., for FY 2017 invoices that the NRC estimates will not be paid during the fiscal year, less payments received in FY 2017 for prior year invoices). This leaves approximately $833.4 million to be billed as fees in FY 2017 through Part 170 licensing and inspection fees and Part 171 annual fees.

The NRC estimates that $324.6 million would be recovered from Part 170 fees in FY 2017. This represents a decrease of $8.1 million or approximately 2.4 percent as compared to the estimated Part 170 collections of $332.7 million for FY 2016. The remaining $508.8 million would be recovered through the Part 171 annual fees in FY 2017, which is a decrease of 7.6 percent compared to estimated Part 171 collections of $550.7 million for FY 2016.

See Tab "Budget Authority (FY 2017)" for supplemental information on the distribution of budgeted FTE and contract dollars.

Budget and Fee Recovery
FY 2017
($ in Millions)
(Individual dollar amounts may not add to totals due to rounding)

	FY 2017
NRC Budget Authority	$952.1
Nuclear Waste Fund, Waste Incidental to Reprocessing, General Fund, generic homeland security activities	-$25.4
Balance	$926.7
Fee Recovery Rate for FY 2013	x .90
Total Amount to be Recovered For FY 2013	$834.0
Carryover from Prior Year	$0.0
Amount to be Recovered Through Fees and Other Receipts	$834.0
Estimated amount to be recovered through Part 170 fees and other receipts	-$324.6
Estimated amount to be recovered through Part 171 annual fees	$509.4
Part 171 billing adjustments	-$0.6
Adjusted Part 171 annual fee collections required	$508.8

12/14/2016

Part 170 Fees

Section III.A

Part 170 Fees

Determination of Hourly Rate

Section III.A.1

Table II

Proposed Hourly Rate is $267

The NRC's hourly rate is derived by dividing the sum of recoverable budgeted resources for (1) mission direct program salaries and benefits; (2) mission indirect salaries and benefits and contract activity; and (3) agency costs which includes corporate support and Inspector General (IG), by mission direct full-time equivalent (FTE) converted to hours. The only budgeted resources excluded from the hourly rate are those for mission direct contract activities.

The NRC has reviewed and analyzed data from its time and labor system from FY 2014 through FY 2016 to determine if the annual direct hours worked per direct FTE estimate requires updating for the FY 2017 fee rule. Based on this review of the most recent data available, the NRC determined that 1,500 hours is the best estimate of direct hours worked annually per direct FTE. This estimate excludes all non-direct activities, such as training, general administration, and leave.

Definitions of Hourly Rate Components

Mission Direct:

These resources are allocated to perform core work activities committed to fulfill the agency mission of ensuring protection of public health and safety, promoting the common defense and security, and protecting the environment (agency mission). The majority of the resources assigned under the direct business lines (Operating Reactors, New Reactors, Fuel Facilities, Nuclear Materials Users, Decommissioning and Low-Level Waste, and Spent fuel Storage and Transportation) are core work activities considered mission direct.

Mission Indirect:

These resources are allocated to support the core Mission Direct activities. They include, for example, Supervisory Support, Nonsupervisory support, Mission Travel and Training. The products for Supervisory Support, Nonsupervisory support, Mission Travel and Training resources assigned under direct business lines within the budget structure, are considered Mission Indirect due to their supporting role of the core mission activities.

Agency Support:

These resources are located in executive, administrative, and other support offices such as the Office of the Commission, the Office of the Secretary, the Office of the Executive Director for Operations, the Offices of Congressional and Public Affairs, the Office of the Inspector General, the Office of Administration, the Office of the Chief Financial Officer, the Office of the Chief Information Officer, the Office of the Chief Human Capital Officer and the Office of Small Business and Civil Rights. These budgeted costs administer the corporate or shared efforts that more broadly support the activities of the agency. These activities also include information technology services, human capital services, financial management and administrative support.

Offsetting Receipts:

The fees collected by the NRC for the Freedom of Information Act (FOIA) and Indemnity (financial protection required of licensees for public liability claims-Price Anderson Act 10 CFR Part 140) are subtracted from the budgeted resources amount when calculating the 10 CFR Part 170 hourly rates per the guidance in OMB Circular A-25 "User Charges."

Productivity Assumption for FY 2017 Fee Rule

The productive hours assumption reflects the average number of hours that a technical employee spends on mission-direct work in a given year. This excludes hours charged to annual leave, sick leave, holidays, etc., and hours spent in training and accomplishing general administration tasks.

To ensure realism for purposes of fee calculations, the productive hours assumption is calculated using actual time and labor data in the NRC's Human Resource Management System (HRMS) for the most recent completed fiscal year. Time spent performing supervisory and other indirect support activities is filtered out of the HRMS data used in the calculation.

The productive hours assumption is calculated by deriving the ratio of mission-direct hours to total hours charged and multiplying that by the total hours per FTE in a work year. The formula for the calculation is shown below.

$$\frac{\text{Total hours in mission business lines}}{\text{Total hours in mission business lines + other hours}} \times \text{Total work hours in a year (2,087)} = \text{Productive Hours Assumption}$$

Elements of the formula are defined as follows:

- **Mission Business Lines**. The Operating Reactors, New Reactors, Nuclear Materials Users, Fuel Facilities, Spent Fuel Storage and Transportation, and Decommissioning and Low-level Waste Business Lines.
- **Hours in Mission Business Lines**. Hours charged to cost accountability codes for mission-direct work.
- **Other Hours**. Includes hours charged to annual leave, sick leave, holidays, etc., and hours charged to cost accountability codes for training and general administrative tasks.
- **Hours in a Work Year**. 2,087 hours is used to be consistent with OPM guidance on computing hourly rates of pay and the Consolidated Omnibus Budget Reconciliation Act of 1985 (Public Law 99-272, April 7, 1986).

The increase in the productivity assumption for FY 2017 reflects a decline in hours charged to cost accountability codes for training and general administrative tasks.

DETERMINATION OF HOURLY RATE
CALCULATION OF FTE RATES BY PROGRAM

This is for the purpose of converting FTE to $.

PROGRAM		(1) Total FTE	(2) Total S&B($,K):	(2)/(1) FTE Rate ($)
NUCLEAR REACTOR SAFETY		2,042	347,123	169,992
	General Fund	14	3,652	260,857
NUCLEAR MATERIAL SAFETY (Excl. NWF & General Fund)		545	92,646	169,992
	NWF & General Fund	22	5,835	265,227
CORPORATE SUPPORT		717	111,849	155,996
	NWF & General Fund	-	-	-
INSPECTOR GENERAL		58	9,802	169,000
	TOTAL	3,398	570,907	

MISSION DIRECT RESOURCES

(in actual $)	nonlabor	labor
NUCLEAR REACTOR SAFETY	$98,009,000	$265,527,236
NUCLEAR MATERIALS AND WASTE SAFETY	$26,734,000	$74,031,441
CORPORATE SUPPORT: FELLOWSHIPS/SCHOLARSHIPS	$562,000	$935,976
TOTAL	$125,305,000	$340,494,652

PROGRAM SUPPORT (or MISSION INDIRECT) RESOURCES

(in actual $)	nonlabor	labor
NUCLEAR REACTOR SAFETY (BUDGET PROGRAM)	$30,078,000	$81,596,077
NUCLEAR MATERIALS AND WASTE SAFETY (BUDGET PROGRAM)	$6,354,000	$18,614,105
TOTAL	$36,432,000	$100,210,183

AGENCY SUPPORT (or CORPORATE SUPPORT & IG) RESOURCES

(in actual $)	nonlabor	labor
TOTAL	$203,521,000	$120,715,165

TOTALS	Total ($)
Direct Labor	$340,494,652
Direct Nonlabor (excl. from hourly rates)	$125,305,000
Indirect Program Support Labor	$100,210,183
Indirect Program Support Nonlabor	$36,432,000
Agency Support: Corporate & IG Labor	$120,715,165
Agency Support: Corporate & IG NonLabor	$203,521,000
TOTAL	$926,678,000

DETERMINATION OF HOURLY RATE CONTINUED

Total included in hourly rates:	% total	value
Direct Labor	42.49%	$340,494,652
Indirect Program Support	17.05%	$136,642,183
Agency Support: Corporate Support w/ Inspector General	40.46%	$324,236,165
Total	100.00%	$801,373,000
less offsetting receipts*		$43,250
Total in hourly rates**		$801,329,750

Mission Direct FTE	2,004
FTE rate ('Total in hourly rates' divided by 'Direct FTE')**	$399,987
Mission direct productive hours worked annually	1,500
FTE converted to hours ('Mission Direct FTE ' multiplied by 'Mission direct productive hours worked annually')	3,005,250
Hourly rate ('Total in hourly rates' divided by 'FTE converted to hours')**	$266.6

*Calculation of offsetting receipts	Total	%	value
FOIA	$23,900	100%	$23,900
INDEMNITY	$19,350	100%	$19,350
TOTAL			$43,250

**Since offsetting receipts can not be used to offset total fee collections, offsetting receipts are not subtracted from numerator for FTE rate. Per fee policy documents, we can subtract these receipts when calculating hourly rates.

Agency Management and Support: Budgeted Resources for Hourly Rate Calculation

	FY17 Contract ($,K)	FY17 FTE	FY16 Contract ($,K)	FY16 FTE	Difference Contract ($,K)	Difference FTE
CORPORATE SUPPORT						
BUSINESS LINE: CORPORATE SUPPORT						
Acquisitions						
Mission IT	4,574	3.0	3,670	3.0	904	0.0
Procurement Operations	156	50.0	465	49.0	(309)	1.0
Administrative Assistants	0	1.0	0	0.0	0	1.0
Strategic Sourcing	0	4.0	0	4.0	0	0.0
Supervisory Staff	0	6.0	0	0.0	0	6.0
Travel	15	0.0	0	0.0	15	0.0
Administrative Services						
Mission IT	1,705	2.0	1,717	2.0	(12)	0.0
Supervisory Staff	0	17.0	0	0.0	0	17.0
Support Services	10,429	39.0	10,276	37.0	153	2.0
Administrative Assistants	295	4.0	0	0.0	295	4.0
IT Infrastructure	50	0.0	0	0.0	50	0.0
Corporate Rulemaking	0	3.0	0	3.0	0	0.0
Facility Management	10,567	17.0	11,364	21.0	(797)	(4.0)
Non-Supervisory Staff	60	6.0	0	0.0	60	6.0
Physical & Personnel Security	17,430	20.0	15,073	18.0	2,357	2.0
Travel	48	0.0	0	0.0	48	0.0
Rent & Utilities	46,921	1.0	45,123	1.0	1,798	0.0
Financial Management						
Mission IT	10,463	12.0	7,990	9.5	2,473	2.5
Supervisory Staff	0	14.0	0	0.0	0	14.0
Budgeting	90	29.0	88	29.5	2	(0.5)
Administrative Assistants	176	4.0	0	0.0	176	4.0
Non-Supervisory Staff	0	3.0	0	0.0	0	3.0
Travel	85	0.0	0	0.0	85	0.0
Financial Services	2,530	23.0	2,011	21.0	519	2.0
Management controls	646	18.0	1,218	18.0	(572)	0.0
Performance Management	90	6.0	400	6.0	(310)	0.0
Human Resource Management						
Mission IT	1,008	4.0	1,079	4.0	(71)	0.0
Supervisory Staff	0	6.0	0	0.0	0	6.0
Non-Supervisory Staff	157	3.0	0	0.0	157	3.0
Administrative Assistants	0	2.0	0	0.0	0	2.0
Travel	147	0.0	0	0.0	147	0.0
Employee/Labor Relations	15	7.0	15	6.0	0	1.0
Policy Development & SWP	25	6.0	20	6.0	5	0.0
Recruitment & Staffing	6,178	23.0	6,473	21.0	(295)	2.0
Work Life Services	2,287	6.0	2,592	8.0	(305)	(2.0)
Information Management						
Mission Training	9,636	16.0	4,926	16.5	4,710	(0.5)
Content Management	3,617	5.0	4,523	8.0	(906)	(3.0)
Information Services	1,807	21.0	2,163	28.0	(356)	(7.0)
Information Security	1,238	10.0	0	3.5	1,238	6.5
Information Technology						
IT Infrastructure	51,402	78.0	53,467	90.5	(2,065)	(12.5)
IT applications infrastructure	2,624	5.0	2,374	4.0	250	1.0
IT Security	7,385	16.0	6,955	14.0	430	2.0
Supervisory Staff	0	25.0	0	0.0	0	25.0
Non-Supervisory Staff	0	5.0	0	0.0	0	5.0
Travel	98	0.0	0	0.0	98	0.0
Administrative Assistants	408	1.0	0	0.0	408	1.0
IT Strategic Management	983	20.0	955	23.0	28	(3.0)
Outreach						
Small Business & Civil Rights	457	8.0	467	8.0	(10)	0.0
Supervisory Staff	0	2.0	0	0.0	0	2.0
Administrative Assistants	61	1.0	0	0.0	61	1.0
Non-Supervisory Staff	0	1.0	0	0.0	0	1.0
Travel	30	0.0	0	0.0	30	0.0
Policy Support						
Mission IT	620	0.0	704	0.0	(84)	0.0
International Cooperation	345	3.0	345	3.0	0	0.0
Commission	222	21.0	199	22.0	23	(1.0)
Commission Appellate Adjunct.	178	7.0	3	7.0	175	0.0
EDO Operations	10	8.0	63	10.0	(53)	(2.0)
Policy Outreach	947	35.0	936	36.0	11	(1.0)
Secretariat	0	18.0	0	18.0	0	0.0
Official Representation	25	0.0	25	0.0	0	0.0
Business Process Improvements	0	0.0	0	1.0	0	(1.0)
Supervisory Staff	0	28.0	0	0.0	0	28.0
Administrative Assistants	55	16.0	0	0.0	55	16.0
Non-Supervisory Staff	0	3.0	0	0.0	0	3.0
Travel	874	0.0	0	0.0	874	0.0
Training						
Mission IT	160	2.0	238	2.0	(78)	0.0
Training and Development	2,046	7.0	1,633	7.0	413	0.0
Organizational Development	200	2.0	200	2.0	0	0.0
Supervisory Staff	0	4.0	0	0.0	0	4.0
Administrative Assistants	0	1.0	0	0.0	0	1.0
IT Security	207	0.0	0	0.0	207	0.0
Non-Supervisory Staff	0	2.0	0	0.0	0	2.0
Travel	281	0.0	0	0.0	281	0.0
Business Process Improvements	100	1.0	0	0.0	100	1.0
Travel						
Travel	0	0.0	1,636	0.0	(1,636)	0.0

Agency Management and Support: Budgeted Resources for Hourly Rate Calculation

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
Support Staff						
Supervisory Staff	0	0.0	0	101.0	0	(101.0)
Support Services	0	0.0	996	3.0	(996)	(3.0)
Budgeting	0	0.0	157	10.0	(157)	(10.0)
HR Activities	0	0.0	0	7.0	0	(7.0)
Content Management	0	0.0	0	1.0	0	(1.0)
Administrative Assistants	0	0.0	0	28.5	0	(28.5)
Non-Supervisory Staff	0	0.0	0	5.0	0	(5.0)
Total Agency Corporate Support Resources	202,163	711	192,539	726	9,624	(15.0)
Total value of Corporate Support Resources(FY17 $192,539 contract funding + 726 FTE multiplied by S&B rate)	$ 202,163	$ 110,913	$ 192,539	$ 110,260	9,624	653.0
Office of Inspector General	1,358	58.0	1,260	58.0	98	0.0
Total value of the Office of Inspector General Resources($1,260 contract funding + 58 FTE multiplied by S&B rate)	$ 1,358	$ 9,802	$ 1,260	$ 9,918	98	(116.0)
Total Agency Support Resources	$ 203,521	$ 120,715	$ 193,799	$ 120,178	9,722	537.0

Mission Program Indirect Budgeted Resources for Hourly Rate Calculation

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
International Activities						
Licensing Export/Import	0	1.0	0	1.0	0	0
Licensing						
IT Infrastructure	1,802	0.0	1,759	0.0	43	0
EDO Operations	0	1.0	0	1.0	0	0
Policy Outreach	0	1.0	0	1.0	0	0
Business Process Improvements	0	0.0	0	1.0	0	-1
Training						
Training and Development	10	1.0	10	0.0	0	1
Travel						
Mission Travel	2,615	0.0	3,006	0.0	-391	0
Support Staff						
Supervisory Staff	0	60.0	0	67.5	0	-8
Support Services	0	0.0	416	2.0	-416	-2
Budgeting	0	0.0	0	5.0	0	-5
HR Activities	0	0.0	0	2.0	0	-2
Information Services	0	2.0	0	2.0	0	0
Admin Assistants	366	25.0	0	25.5	366	-1
Non-Supervisory Staff	0	9.0	0	1.0	0	8
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
Licensing						
RIC	718	2.0	744	2.0	-26	0
EDO Operations	0	3.0	0	3.0	0	0
Policy Outreach	0	3.0	0	3.0	0	0
Business Improvements	0	0.0	0	1.0	0	-1
Oversight						
Mission IT	1,710	0.0	1,110	0.0	600	0
IT Infrastructure	6,134	0.0	5,534	0.0	600	0
Research						
Mission IT	400	0.0	400	0.0	0	0
Training						
Training and Development	104	0.0	664	0.0	-560	0
Business Process Improvements	0	1.0	0	0.0	0	1
Travel						
Mission Travel	13,595	0.0	13,037	0.0	558	0
Support Staff						
Supervisory Staff	0	207.0	0	210.5	0	-4
Support Services	0	0.0	1,155	11.5	-1155	-12
Budgeting	0	0.0	0	28.0	0	-28
Procurement Operations	0	0.0	0	4.0	0	-4
Content Management	1,051	4.0	881	2.5	170	2
Information Services	105	6.0	105	5.0	0	1
Admin Assistants	990	93.0	0	93.0	990	0
Non-Supervisory Staff	478	61.0	0	7.0	478	54
HR Activities	0	0.0	255	12.0	-255	-12
					0	0
Grand Total Nuclear Reactor Safety	30,078	480.0	29,076	491.5	1002	-12
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
International Activities						
Export/Import	0	1.0	0	2.0	0	-1
Oversight						
IT Infrastructure	501	0.0	456	0.0	45	0
Travel						
Mission Travel	1,058	0.0	1,308	0.0	-250	0
Support Staff						
Supervisory Staff	0	17.0	0	17.0	0	0
Support Services	0	0.0	110	1.0	-110	-1
Budget	0	0.0	0	1.0	0	-1
Content Mgmt	82	0.0	68	0.0	14	0
Admin Assistants	268	4.0	0	5.0	268	-1
Non-Supervisory Staff	0	2.0	0	0.0	0	2
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
International Activities						
Export/Import	0	1.5	0	1.0	0	1
Licensing						
EDO Operations	0	1.0	0	1.0	0	0
Oversight						
IT Infrastructure	905	0.0	711	1.0	194	-1
Travel						
Mission Travel	1,465	0.0	1,742	0.0	-277	0
Training						
Business Process Improvements	0	1.0	0	0.0	0	1
Support Staff						
Supervisory Staff	0	27.0	0	29.0	0	-2
Support Services	0	0.0	48	3.0	-48	-3
Budget	0	0.0	0	3.0	0	-3
Content Mgmt	41	0.0	152	1.0	-111	-1
Admin Assistants	0	9.0	0	12.5	0	-4
HR Activities	0	0.0	0	4.0	0	-4
Information Security	137	0.0	0	0.0	137	0
Information Services	0	1.0	0	1.0	0	0
Non-Supervisory Staff	0	13.0	0	3.0	0	10
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
Licensing						

Mission Program Indirect Budgeted Resources for Hourly Rate Calculation

	FY17 Contract ($,K)	FY17 FTE	FY16 Contract ($,K)	FY16 FTE	Difference Contract ($,K)	Difference FTE
IT Infrastructure	457	0.0	407	0.0	50	0
Policy Outreach	0	1.0	0	1.0	0	0
Oversight	0	0.0	0	0.0	0	0
Travel						
Mission Travel	477	0.0	525	0.0	-48	0
Support Staff						
Supervisory Staff	0	11.0	0	12.5	0	-2
Support Services	0	0.0	0	2.0	0	-2
Budget	0	0.0	0	1.0	0	-1
Content Mgmt	12	0.0	0	0.0	12	0
Admin Assistants	0	2.0	0	3.0	0	-1
HR Activities	0	0.0	0	1.0	0	-1
Non-Supervisory Staff	0	2.0	0	0.0	0	2
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
Licensing						
IT Infrastructure	443	0.0	414	0.0	29	0
Oversight	0	0.0	0	0.0	0	0
Travel						
Mission Travel	494	0.0	547	0.0	-53	0
Support Staff						
Supervisory Staff	0	11.0	0	10.5	0	1
Support Services	0	0.0	110	1.0	-110	-1
Content Mgmt	14	0.0	0	0.0	14	0
Budget	0	0.0	0	1.0	0	-1
Admin Assistants	0	2.0	0	2.0	0	0
Non-Supervisory Staff	0	3.0	0	0.0	0	3
Grand Total Nuclear Materials & Waste Safety	6,354	109.5	6,598	121	-244	-11
Total Mission Program Indirect Resources	36,432	589.5	35,674	612.0	758	-23
Total value of Mission Program Indirect Resources(FY 17 $36,432 contract funding + 589.5 FTE multiplied by S&B rate)	$ 36,432	$ 100,210	$ 35,674	$ 104,893	758	-4683

Part 170 Fees

Specific Services

Section III.A.2

Flat application fees are calculated by multiplying the average professional staff hours needed to process the licensing actions by the proposed professional hourly rate ($267 for FY 2017). The agency estimates the average professional staff hours every other year as part of its biennial review of fees which was performed in FY 2017.

Full cost fees are determined based on the professional staff time and appropriate contractual support of services. The full cost fees for professional staff time will be determined at the professional hourly rate in effect the time the service was provided.

The NRC estimates the amount of 10 CFR part 170 fees for each fee class based on established fee methodology guidelines (42 FR 22149; May 2, 1977), which specified that the NRC has the authority to recover the full cost of providing services to identifiable beneficiaries. The NRC uses these established guidelines to apply the most current financial data and workload projections by offices and divisions to calculate the 10 CFR part 170 fee estimates. Current financial data includes: 1) four quarters of the most recent billing data (hourly rate invoice data); 2) actual contractual work charged (prior period data) to develop contract work estimates; and 3) the number of FTE hours charged, multiplied by the NRC professional hourly rate

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES
and Average Inspection Costs **
FY 2017

FY2017 Hourly Rate
$267

Materials Part 170 Fee Category	FY 2017 Estimated Professional Process Time (Hours)*	FY 2017 Fee/Cost (Professional Time x FY 2017 Hourly Rate)	FY 2017 Fee/Cost (Rounded)
1. Special Nuclear Material			
1C. Industrial Gauges			
Inspection Costs**	7.7	$2,053	$2,100
New License	4.6	$1,227	$1,200
1D. All Other SNM Material, less critical mass			
Inspection Costs**	23.5	$6,266	$6,300
New License	9.3	$2,480	$2,500
2. Source Material			
2B. Shielding			
Inspection Costs**	10	$2,666	$2,700
New License	4.4	$1,173	$1,170
2C. Exempt Distribution/SM			
Inspection Costs**	14.4	$3,840	$3,800
New License	8.1	$2,160	$2,200
2D. General License Distribution			
Inspection Costs**	15.6	$4,160	$4,200
New License	9.9	$2,640	$2,600
2E. Manufacturing Distribution			
Inspection Costs**	15.6	$4,160	$4,200
New License	9.5	$2,533	$2,500
2F. All Other Source Material			
Inspection Costs**	27.7	$7,386	$7,400
New License	9.5	$2,533	$2,500
3. Byproduct Material			
3A. Mfg-Broad Scope			
Inspection Costs**	67.7	$18,052	$18,100
New License	46.8	$12,479	$12,500
3B. Mfg-Other			
Inspection Costs**	33.2	$8,853	$8,900
New License	12.9	$3,440	$3,400
3C. Mfg/Distribution Radiopharmaceuticals			
Inspection Costs**	27.3	$7,279	$7,300
New License	18.7	$4,986	$5,000
3D. Distribution Radiopharmaceuticals/No Process			
Inspection Costs**	0	$0	$0
New License	0	$0	$0
3E. Irradiators/Self-Shielded			
Inspection Costs**	38.6	$10,292	$10,300
New License	11.5	$3,066	$3,100

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2017

FY2017 Hourly Rate
$267

Materials Part 170 Fee Category	FY 2017 Estimated Professional Process Time	FY 2017 Fee/Cost (Professional Time x FY 2017 Hourly Rate)	FY 2017 Fee/Cost (Rounded)
3F. Irradiators < 10,000 Ci			
Inspection Costs**	15.7	$4,186	$4,200
New License	23.4	$6,239	$6,200
3G. Irradiators => 10,000 Ci			
Inspection Costs**	20.9	$5,573	$5,600
New License	223.2	$59,515	$59,500
3H. Exempt Distribution/Device Review			
Inspection Costs**	14.7	$3,920	$3,900
New License	23.9	$6,373	$6,400
3I. Exempt Distribution/No Device Review			
Inspection Costs**	14.4	$3,840	$3,800
New License	35.8	$9,546	$9,500
3J. General License Distribution/Device Review			
Inspection Costs**	10.5	$2,800	$2,800
New License	7.2	$1,920	$1,900
3K. General License Distribution/No Device Review			
Inspection Costs**	10.4	$2,773	$2,800
New License	4.1	$1,093	$1,100
3L. R&D-Broad(includes 3L(a) & 3L(b)			
Inspection Costs**	36.2	$9,652	$9,700
New License	19.7	$5,253	$5,300
3M. R&D-Other			
Inspection Costs**	22.5	$5,999	$6,000
New License	25.6	$6,826	$6,800
3N. Service License			
Inspection Costs**	39.1	$10,426	$10,400
New License	26.2	$6,986	$7,000
3O. Radiography			
Inspection Costs**	27.5	$7,333	$7,300
New License	11.4	$3,040	$3,000
3P. All Other Byproduct Material			
Inspection Costs**	26.5	$7,066	$7,100
New License	12.4	$3,306	$3,300
3R1. Radium-226 (less than or equal to 10x limits in 31.12)			
Inspection Costs**	24.2	$6,453	$6,500
New License	9.2	$2,453	$2,500

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2017

FY2017 Hourly Rate $267

Materials Part 170 Fee Category	FY 2017 Estimated Professional Process Time	FY 2017 Fee/Cost (Professional Time x FY 2017 Hourly Rate)	FY 2017 Fee/Cost (Rounded)
3R2. Radium-226 (more than 10x limits in 31.12)			
Inspection Costs**	16.2	$4,320	$4,300
New License	9	$2,400	$2,400
3S. Accelerator Produced Radionuclides			
Inspection Costs**	29.5	$7,866	$7,900
New License	51.1	$13,625	$13,600
4. Waste Disposal/Processing			
4B. Waste Packaging			
Inspection Costs**	24.5	$6,533	$6,500
New License	24.9	$6,639	$6,600
4C. Waste-Prepackaged			
Inspection Costs**	14.2	$3,786	$3,800
New License	18	$4,800	$4,800
5. Well Logging			
5A. Well Logging			
Inspection Costs**	34.8	$9,279	$9,300
New License	16.5	$4,400	$4,400
6. Nuclear Laundries			
6A. Nuclear Laundry			
Inspection Costs**	21.7	$5,786	$5,800
New License	79.7	$21,251	$21,300
7. Human Use			
7A. Teletherapy			
Inspection Costs**	28.9	$7,706	$7,700
New License	40	$10,666	$10,700
7B. Medical-Broad			
Inspection Costs**	48.9	$13,039	$13,000
New License	31.2	$8,319	$8,300
7C. Medical-Other			
Inspection Costs**	24.3	$6,479	$6,500
New License	19.9	$5,306	$5,300
8. Civil Defense			
8A. Civil Defense			
Inspection Costs**	24.2	$6,453	$6,500
New License	9.2	$2,453	$2,500
9. Device, product or sealed source evaluation			
9A. Device evaluation-commercial distribution			
Application - each device	19.5	$5,200	$5,200

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES
and Average Inspection Costs **
FY 2017

FY2017 Hourly Rate
$267

Materials Part 170 Fee Category	FY 2017 Estimated Professional Process Time	FY 2017 Fee/Cost (Professional Time x FY 2017 Hourly Rate)	FY 2017 Fee/Cost (Rounded)
9B. Device evaluation - custom			
Application - each device	32.4	$8,639	$8,600
9C. Sealed source evaluation - commercial distribution			
Application - each source	19	$5,066	$5,100
9D. Sealed source evaluation - custom			
Application - each source	3.8	$1,013	$1,010
10. Transportation			
10B. Evaluation - Part 71 QA program			
Application - approval	15.1	$4,026	$4,000

NOTES:

Rounding: <$1000 rounded to nearest $10,
=or>$1000 and <$100,000 rounded to nearest $100,
=or>$100,000 rounded to nearest $1,000

* hours based on FY 2017 Biennial Review

Part 170 Fees

Export and Import Fees

Section III.A.2

Flat application fees are calculated by multiplying the average professional staff hours needed to process the licensing actions by the proposed professional hourly rate ($267 for FY 2017). The agency estimates the average professional staff hours every other year as part of its biennial review of fees. The agency estimates the average professional staff hours every other year as part of its biennial review of fees which was performed in FY 2017.

Mission Direct Budgeted Resources Allocated to Import-Export Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE */ PRODUCTS:*						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
International Activities						
Licensing Import/Export	0	1.0	0	0.0	0	1.0
Total Direct Resources	0	1.0	0	0.0	0	1.0
Grand Total Nuclear Reactor Safety	0	1.0	0	0.0	0	1.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
International Activities						
Licensing Import/Export	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
International Activities						
Licensing Import/Export	0	2.5	0	3.5	0	(1.0)
Total Direct Resources	0	2.5	0	3.5	0	(1.0)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	0	2.5	0	3.5	0	(1.0)
TOTAL	0	3.5	0	3.5	0	0.0
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$1,400		$1,340		$60	

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES
and Average Inspection Costs **
FY 2017

FY2017 Hourly Rate
$267

Materials Part 170 Fee Category	FY 2017 Estimated Professional Process Time	FY 2017 Fee/Cost (Professional Time x FY 2017 Hourly Rate)	FY 2017 Fee/Cost (Rounded)

DETERMINATION OF EXPORT AND IMPORT PART 170 FEES
FY 2017

FY 2017 Hourly Rate = $267

Export and Import Part 170 Fees Category	FY 2017 Estimated Professional Process Time (Hours)*	FY 2017 Fee/Cost (Professional Time x FY 2017 Hourly Rate)	FY 2017 Fee/Cost (Rounded)
10 CFR 170.21, Category K Subcategory			
1	70	18,665	18,700
2	35	9,333	9,300
3	17	4,533	4,500
4	17	4,533	4,500
5	10	2,666	2,700
10 CFR 170.31, Category 15 Subcategory			
A	70	18,665	18,700
B	35	9,333	9,300
C	17	4,533	4,500
D	17	4,533	4,500
E	10	2,666	2,700
F	55	14,665	14,700
G	30	7,999	8,000
H	15	4,000	4,000
I	1	267	270
J	55	14,665	14,700
K	30	7,999	8,000
L	12	3,200	3,200
M	0	0	0
N	0	0	0
O	0	0	0
P	0	0	0
Q	0	0	0
R	5	1,333	1,300

NOTES:

The application fees and amendment fees are the same for each subcategory because, per discussion with IP representatives, the processing time is the same for a new license or an amendment to the license.

Rounding: <$1000 rounded to nearest $10,
=or>$1000 and <$100,000 rounded to nearest $100,
=or>$100,000 rounded to nearest $1,000

* data based on FY 2017 Biennial Review

Part 170 Fees

Reciprocity Fees - Agreement State Licensees

Section III.A.2

The application fee for Agreement State licensees who conduct activities under the reciprocity provisions of 10 CFR 150.20 is determined using FYs 2012 through 2015 data and the FY 2017 hourly rate. The FYs 2012-2015 reciprocity fee data was provided as part of the FY 2017 biennial review of fees.

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES
and Average Inspection Costs **
FY 2017

FY2017 Hourly Rate
$267

DETERMINATION OF RECIPROCITY PART 170 FEES
FY 2017

NOTES:

The reciprocity application and revision fees are determined using FYs 2012-2015 data*, and the FY 2017 hourly rate.

The reciprocity application fee includes average costs for inspections, average costs for processing initial filings of NRC Form 241, and average costs for processing changes to the initial filings of NRC Form 241.

FY 2017 Hourly Rate: **$267**

Average inspection costs: Reciprocity Part 170 Fee Fee Category 16		**Avg Inspection Costs (Avg. no. of hours for insp. x hourly rate)**	**Total Amount**
Inspection		$5,400	
Number of Inspections Conducted for FY12-15	76		
	0		
Total	76		$102,600
Average for the 4 years	19		
Initial 241s		$600	
Number of Completions for FY12-15	855		
	0		
Total	855		$128,250
Average for the 4 years	213.75		
Revised 241s		$100	
Number of Completions for FY12-15	6345		
	0		
Total	6345		$158,625
Average for the 4 years	1586.25		

APPLICATION FEE:	
Amount for inspections [Cost/Initial 241]	$480
Amount for initial filing of NRC Form 241[Cost/Initial 241]	$600
or revisions to initial filing of NRC Form 241 [Cost/Initial 241]	$742
Total Application Fee	$1,822
Application Fee Rounded	**$1,800**

* data based on FY 2017 Biennial Review

Part 170 Fees

General License Registration Fees

Section III.A.2

This fee under byproduct material is for registration of a device(s) generally licensed under part 31 of this chapter.

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES
and Average Inspection Costs **
FY 2017

FY2017 Hourly Rate
$267

DETERMINATION OF GENERAL LICENSE REGISTRATION FEE , FY 2017
(FEE CATEGORY 3Q)

FSME GL Program		Total GL Resources	% Supporting Registrable GLs	Total Supporting Registrable GLs
budgeted FTE				
	Regions			
	HQ			0.20
budgeted contract $				
	Regions			$0
	HQ			$232,000
full cost of FTE		$399,987		$399,987
total budgeted resources, FSME GL Program (equals full cost of FTE + contract $)				$311,997
portion of budgeted resources associated w/fee exempt GLs (nonprofit educational)				$11,544
net to be recovered				$300,453
fee assuming 549 registrable GLs				$547.27
fee, rounded				$500

Data based on the NRC budget documents and the 10/16 email from Hipo Gonzalez(NMSS GL program).

Part 171 Annual Fees

Section III.B

Part 171 Annual Fees

Application of Fee-Relief Adjustment and LLW Surcharge

Section III.B.1

Table III
Table IV

The NRC applies the 10 percent of its budget that is excluded from fee recovery under OBRA-90, as amended (fee relief), to offset the total budget allocated for activities which do not directly benefit current NRC licensees. The budget resources for these fee-relief activities are totaled, and then reduced by the amount of the NRC's fee relief. Any difference between the fee relief and the budgeted amount of these activities results in a fee relief adjustment (increase or decrease) to all licensees' annual fees, based on their percent of the budget (i.e., over 80 percent is allocated to power reactors each year).

The FY 2017 budgeted resources for NRC's fee-relief activities are $86.6 million. The NRC's 10 percent fee relief amount in FY 2017 is $92.7 million, leaving $6.1 million fee-relief credit that will decrease all licensees' annual fees based on their percentage share of the budget. The FY 2017 budget for fee-relief activities is lower than FY 2016, primarily due to the decrease in the fee relief allowance.

Separately, the NRC has continued to allocate the low-level waste (LLW) surcharge based on the volume of LLW disposal of three classes of licensees, operating reactors, fuel facilities, and materials users.

Fee-Relief Activity-Rebaseline

FY 2017 FEE-RELIEF ACTIVITIES AND LLW GENERIC SURCHARGE

FTE rate: $399,987

	DIRECT RESOURCES		Less Part 170	FEE AMOUNT
	$,M	FTE	materials decommissioning revenue, $ M	($,M)
TOTAL NRC				
NONPROFIT EDUCATIONAL EXEMPTION	1.12	22		9.84
INTERNATIONAL ACTIVITIES	6.55	18		13.87
SMALL ENTITY SUBSIDY				7.44
AGREEMENT STATE OVERSIGHT	1.86	28		13.02
REGULATORY SUPPORT TO AGREEMENT STATES	2.80	39		18.36
ISL RULE/GENERAL LICENSEES/MOLY99/FELLOWSHIPS & SCHOLARSHIPS	2.66	15		8.54
DECOMMISSIONING/RECLAMATION GENERIC	1.87	41	3.69	14.38
MILITARY RADIUM 226	0.07	3		1.15
LLW GENERIC SURCHARGE	0.30	8		3.30
TOTAL	17.23	172.3		89.90

To meet the 90% fee recovery requirement for FY 2017, the Fee-Relief Activities are reduced by 10% of NRC's FY 2017 net budget authority (appropriation less Non-Recoverable Fee Items1, as shown below)

	($,M)
Fee-Relief Activity (Total above less LLW generic surcharge)[2]	86.60
Budget Authority minus NWF, Gen Fund, & generic HLS	926.68
Percent reduction in fee recovery amount for FY 2017	10.0%
Reduction in annual fee recovery amount for FY 2017	92.67
Delta, Fee-Relief Activity (less generic LLW) and reduction in fee recovery amt	-6.06
Generic LLW Surcharge amount	3.30
Net adjustment to fee assessments	**-2.77**

DISTRIBUTION OF ADJUSTMENT TO FEE ASSESSMENTS

	LLW GENERIC SURCHARGE		FEE-RELIEF ACTIVITIES		TOTAL ADJUSTMENT
	PERCENT	$,M	PERCENT	$,M	$,M
POWER REACTORS	24%	0.8	85.79%	-5.2029	-4.4013
SPENT FUEL STORAGE/REACTOR DECOMMISSIONING	0	0	3.80%	-0.2307	-0.2307
TEST AND RESEARCH REACTORS	0	0	0.28%	-0.0168	-0.0168
FUEL FACILITIES	62%	2.0	4.34%	-0.2635	1.7686
MATERIALS	14%	0.465	3.45%	-0.2093	0.2558
TRANSPORTATION	0	0	0.56%	-0.0340	-0.0340
RARE EARTH FACILITIES	0	0	0.00%	0.0000	0.0000
URANIUM RECOVERY	0	0	1.78%	-0.1077	-0.1077
TOTAL	100	3.30	100.00%	-6.06	-2.77

NOTES:

[1]Non-Recoverable Fee Items: NWF, WIR and generic homeland security

[2]Generic LLW activities are not considered a fairness and equity issue because licensees will benefit from these activities

Mission Direct Budgeted Resources Allocated to Nonprofit Education Exemption Fee-Relief Category

FEE-RELIEF ALLOCATION DETERMINED BY OCFO, IN CONSULTATION WITH PROGRAM OFFICES	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE/ PRODUCTS:						
Oversight						
Allegations & Investigations	0	0.0	0	0.0	0	0.0
Construction Inspection	0	0.0	0	0.0	0	0.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	0	0.0	0	0.0	0	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Part 50	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Vendor Inspection	0	0.0	0	0.0	0	0.0
Training	0	0.0	0	0.0	0	0.0
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Licensing						
Research & Test Reactors	717	14.0	104	17.1	613	(3.1)
Oversight					0	0.0
Allegations & Investigations	0	0.0	0	0.0	0	0.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	1	0.0	2	0.2	(2)	(0.2)
Event Evaluation	0	0.0	0	0.0	0	0.0
Inspection	0	0.0	0	0.0	0	0.0
Mission IT	0	0.0	1	0.0	(1)	0.0
Research & Test Reactor Insp.	0	2.7	0	3.5	0	(0.8)
Security	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking	303	0.0	280	0.7	24	(0.7)
Training						
Fukushima NTTF	0	0.0	0	0.0	0	0.0
Mission Training	23	0.0	36	0.0	(14)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	1,044	16.7	423	21.5	621	(4.8)
Grand Total Nuclear Reactor Safety	1,044	16.7	423	21.5	621	(4.8)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Licensing						
Licensing Actions	2	2.5	2	2.4	(1)	0.1
Mission IT	1	0.0	2	0.0	(1)	0.0
Security	0	0.0	0	0.0	0	0.0
Oversight						
Allegations & Investigations	0	0.5	0	0.1	0	0.4
Enforcement	3	0.4	2	0.3	1	0.1
Event Evaluation	0	0.0	0	0.0	0	0.0
Inspection	3	0.8	6	0.8	(3)	0.0
Mission IT	0	0.0	32	0.0	(32)	0.0
Security	0	0.0	0	0.0	0	0.0
Research						
Materials Research	0	0.0	2	0.0	(2)	0.0
Rulemaking						
Rulemaking	0	0.6	0	0.0	0	0.6
Training						
Mission Training	10	0.0	8	0.0	2	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	18	4.8	54	3.6	(36)	1.2
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						

Mission Direct Budgeted Resources Allocated to Nonprofit Education Exemption Fee-Relief Category

FEE-RELIEF ALLOCATION DETERMINED BY OCFO, IN CONSULTATION WITH PROGRAM OFFICES						
	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Licensing						
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Environmental Reviews	0	0.0	0	0.0	0	0.0
Licensing Support	0	0.0	0	0.0	0	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Storage Licensing	0	0.0	0	0.0	0	0.0
Transportation Certification	18	0.3	0	0.0	18	0.3
Oversight						
Inspection	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking (PL)	2	0.0	0	0.0	2	0.0
Security	0	0.0	0	0.0	0	0.0
Travel						
Mission Travel	0	0.0	0	0.0	0	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	20	0.3	0	0.0	20	0.3
Grand Total Nuclear Materials & Waste Safety	38	5.1	54	3.6	(16)	1.5
TOTAL Nonprofit Education Exemption	1,082	21.8	477	25.1	605	(3.3)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$9,802		$10,067		($265)	

The nonprofit educational Fee-Relief category includes resources originally allocated to the test and research reactor, materials users, and transportation fee classes, that are prorated to the Fee-Relief Activities based on the number nonprofit educational institution licensees in each fee class (approx. 90%, 6%, and 3%, respectively).

Mission Direct Budgeted Resources Allocated to International Activities Fee-Relief Category

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
***PRODUCT LINE** / PRODUCTS:*						
International Activities						
International Cooperation	0	0.0	0	0.0	0	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
International Activities						
Conventions & Treaties	0	1.0	0	0.0	0	1.0
International Cooperation	0	0.6	0	1.0	0	(0.4)
Training						
Fukushima NTTF	0	0.0	0	0.0	0	0.0
Mission Training	8	0.0	0	0.0	8	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	8	1.6	0	1.0	8	0.6
Grand Total Nuclear Reactor Safety	8	1.6	0	1.0	8	0.6
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
International Activities						
Conventions & Treaties	0	4.0	0	3.5	0	0.5
Licensing Import/Export	0	0.0	0	0.0	0	0.0
International Cooperation	0	1.0	0	1.5	0	(0.5)
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	5.0	0	5.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
International Activities						
International Technical Cooperation	0	0.7	0	1.5	0	(0.8)
International Assistance	6,444	7.0	5,683	7.5	761	(0.5)
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	6,444	7.7	5,683	9.0	761	(1.3)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
International Activities						
International Technical Cooperation	0	1.0	0	1.0	0	0.0
Conventions & Treaties	0	1.0	0	1.0	0	1.0
Mission Training						
Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	2.0	0	2.0	0	0.0

Mission Direct Budgeted Resources Allocated to International Activities Fee-Relief Category

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
International Activities						
International Technical Cooperation	100	1.0	0	1.0	100	0.0
Conventions & Treaties	0	1.0	0	0.0	0	1.0
Mission Travel					0	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	100	2.0	0	1.0	100	1.0
Grand Total Nuclear Materials & Waste Safety	6,544	16.7	5,683	17.0	861	(0.3)
TOTAL INTERNATIONAL ACTIVITIES	6,552	18.3	5,683	18.0	869	0.3
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$13,872		$12,560		$1,312	

NRC does not charge licensees fees for costs associated with NRC's providing international **assistance** to foreign regulatory counterparts for improving safety and security of civilian uses of radioactive materials or costs associated with **conventions and treaties** which support and implement legally binding obligations incurred by the U.S. Government involving nuclear nonproliferation, safety, physical protection, waste and spent fuel management, emergency preparedness and response, and counter-terrorism which benefit cannot be identified by fee class. However, if international **cooperation** activities benefit a group of licensees, the associated resources should be allocated to the corresponding fee category *and* not to the International Fee-Relief Category. Some of the international regulatory information exchanges and policy and priority formulation activities can also provide direct input to the U.S. Nuclear Regulatory Commission (NRC) regulation and oversight of its licensees and can provide other benefits to NRC licensees. For example, power reactor licensees can benefit from international efforts to exchange information on regulatory experience and expertise on construction, startup, and the operation of nuclear power plants.

Mission Direct Budgeted Resources Allocated to Agreement State Oversight Fee-Relief Category

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE */ PRODUCTS:*						
Training						
Mission Training	6	0.0	9	0.0	(3)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	6	0.0	9	0.0	(3)	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Training						
Mission Training	23	0.2	25	0.2	(2)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	23	0.2	25	0.2	(2)	0.0
Grand Total Nuclear Reactor Safety	29	0.2	34	0.2	(5)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Oversight						
Allegations & Investigations	0	0.0	0	0.0	0	0.0
Enforcement	0	0.0	0	0.0	0	0.0
Event Evaluation	0	0.0	0	0.0	0	0.0
Inspection	0	0.0	0	0.0	0	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Research						
Waste Research	0	0.7	0	0.0	0	0.7
State Tribal and Federal Programs						
Agreement States	125	27.0	125	26.5	0	0.5
Mission IT	187	0.0	187	0.0	0	0.0
Travel						
Agreement State Travel	1,139	0.0	1,264	0.0	(125)	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	1,451	27.7	1,576	26.5	(125)	1.2
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Licensing						
Decommissioning Licensing Actions	0	0.0	0	0.0	0	0.0
Uranium Recovery Lic. Actions	0	0.0	0	0.5	0	(0.5)
Mission Training						
Training	381	0.0	482	0.0	(101)	0.0
Rulemaking						
Rulemaking Support	0	0.0	127	0.0		
Total Direct Resources	381	0.0	609	0.5	(228)	(0.5)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	1,832	27.7	2,185	27.0	(353)	0.7
TOTAL AGREEMENT STATE OVERSIGHT	1,861	27.9	2,219	27.2	(358)	0.7
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$13,021		$12,611		$410	

Mission Direct Budgeted Resources Allocated to Agreement State Regulatory Support Fee-Relief Category

FEE-RELIEF ALLOCATION DETERMINED BY OCFO, IN CONSULTATION WITH PROGRAM OFFICES	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE / PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Reactor Safety	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Event Response						
Response Operations	0	1.7	0	1.2	0	0.5
Response Programs	0	1.7	0	1.7	0	0.0
International Activities						
International Copperation	0	0.7	0	0.0	0	0.7
Licensing						
Licensing Actions	105	13.4	105	12.9	0	0.5
Licensing Support	242	0.2	0	0.0	242	0.2
Mission IT	282	0.9	432	0.6	(150)	0.3
Security	0	0.0	0	0.0	0	0.0
Oversight						
Allegations & Investigations	0	1.3	0	1.3	0	0.0
Enforcement	0	0.0	0	0.0	0	0.0
Event Evaluation	1,206	4.7	26	3.9	1,180	0.8
Inspection	3	6.0	0	6.4	3	(0.4)
Mission IT	0	0.0	1,037	0.9	(1,037)	(0.9)
Security	0	0	0	0	0	0.0
Rulemaking						
Rulemaking	0	2.7	9	0.0	(9)	2.7
Rulemaking Support	0	2.2	0	2.2	0	0.0
Security	0	0.0	0	0.0	0	0.0
Research						
Materials Research	0	0.3	389	1.7	(389)	(1.4)
State Tribal and Federal Programs						
Agreement States	0	0.0	0	0.0	0	0.0
Liaison	0	0.9	0	0.9	0	0.0
Travel						
Agreement State Travel	0	0.0	0	0.0	0	0.0
Training						
Mission Training	1,200	1.7	1,029	1.6	171	0.1
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	3,038	38.4	3,026	35.3	12	3.1
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Licensing						
Decommissioning Licensing Actions	0	0.0	0	0.0	0	0.0
Uranium Recovery Lic. Actions	0	0.7	0	0.0	0	0.7
Mission Training						
Training	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking Support	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.7	0	0.0	0	0.7

Mission Direct Budgeted Resources Allocated to Agreement State Regulatory Support Fee-Relief Category

FEE-RELIEF ALLOCATION DETERMINED BY OCFO, IN CONSULTATION WITH PROGRAM OFFICES						
	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	3,038	39.1	3,026	35.3	12	3.8
TOTAL AGREEMENT STATE REGULATORY SUPPORT	3,038	39.1	3,026	35.3	12	3.8
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$18,678		$16,513		$2,165	

The Agreement State regulatory support Fee-Relief category includes resources originally allocated to the materials users , that are prorated to the surcharge based on the number licensees in Agreement States in each fee class (approx. 87%).

Mission Direct Budgeted Resources Allocated to
In-situ Leach Facilities Rulemaking, Unregistered General Licensees, MOLY 99 and Fellowships Scholarships
Fee-Relief Category

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE / PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Licensing						
Research & Test Reactors	1,404	5.4	403	0.5	1,001	4.9
Oversight					0	0.0
Research & Test Reactor Inspection	0	1.0	0	1.0	0	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking	168	0.0	0	0.0	168	0.0
Total Direct Resources	1,572	6.4	403	1.5	1,169	4.9
Grand Total Nuclear Reactor Safety	1,572	6.4	403	1.5	1,169	4.9
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Licensing						
Licensing Support	289	0.8	0	0.0	289	0.8
Oversight						
Inspection	0	0.0	0	0.0	0	0.0
Mission IT	0	0.0	345	0.8	(345)	(0.8)
Security	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking	0	0.0	0	0.0	0	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	289	0.8	345	0.8	(57)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Licensing						
Decommissioning Licensing Actions	0	0.0	0	0.0	0	0.0
Uranium Recovery Lic. Actions	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking	240	1.5	186	2.0	54	(0.5)
Mission Training						
Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	240	1.5	186	2.0	54	(0.5)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	529	2.3	531	2.8	(3)	(0.5)
PROGRAM: CORPORATE SUPPORT						
Outreach						
MSI Grants	0	0.0	300	0.0	(300)	0.0
Integrated University Program	0	0.0	15,000	0.0	(15,000)	0.0
Outreach & Compliance Coord. Pgm.	562	6.0	673	6.0	(111)	0.0
Grand Total Corporate Support	562	6.0	15,973	6.0	(15,411)	0.0
TOTAL ISL/MOLY99/GENERAL LICENSEES/FELLOWSHIPS & SCHOLARSHIPS	2,663	14.7	16,907	10.3	(14,245)	4.4
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$8,542		$20,843		($12,301)	

Mission Direct Budgeted Resources Allocated to Department of Defense Remediation program MOU activities

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE */ PRODUCTS:*						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Reactor Safety	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Rulemaking						
Rulemaking	0	0.0	0	0.0	0	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Licensing						
Decomm. Licensing Actions	70	2.7	693	2.7	0	0.0
Rulemaking						
Rulemaking	0	0.0	0	0.0	0	0.0
Rulemaking Support	0	0.0	0	0.0	0	0.0
Total Direct Resources	70	2.7	693	2.7	(623)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	70	2.7	693	2.7	(623)	0.0
TOTAL GENERIC LOW LEVEL WASTE	70	2.7	693	2.7	(623)	0.0
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$1,150		$1,725		($575)	

Mission Direct Budgeted Resources Allocated to Generic Decommissioning and Reclaimation Fee-Relief Category

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE */ PRODUCTS:*						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Reactor Safety	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Training						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
International Activities						
International Cooperation	0	2.0	100	2.7	100	2.7
Licensing						
Decomm. Enviromental Reviews	500	3.0	750	2.5	(250)	0.5
Decomm. Licensing Actions	993	30.5	1,596	30.0	(603)	0.5
Mission IT	247	0.0	162	0.5	85	(0.5)
Uranium Recovery Enviromental Reviews	0	0.0	250	0.0	(250)	0.0
Uranium Recovery Lic. Actions	133	3.7	518	3.4	(385)	0.3
Mission Training						
Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Oversight						
Inspections	0	0.3	0	1.1	0	(0.8)
Research						
Waste Research	0	0.0	0	2.0	0	(2.0)
Rulemaking						
Rulemaking	0	1.0	0	0.5	0	0.5
Total Direct Resources	1,873	40.5	3,376	42.7	(1,503)	(2.2)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Training						
Mission Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	1,873	40.5	3,376	42.7	(1,503)	(2.2)
TOTAL GENERIC DECOMMISSIONING & RECLAIMATION	1,873	40.5	3,376	42.7	(1,503)	(2.2)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$14,386		$15,229		($843)	

All decommissioning resources for licensees other than Part 50 power reactors and Part 72 licensees--i.e., site specific + generic resources--are allocated to the 'generic decommissioning' Fee-Relief category. OCFO then subtracts from this total the estimated Part 170 decommissioning revenue from these licensees. By definition, what's left is 'generic.'

Mission Direct Budgeted Resources Allocated to Generic Low Level Waste Surcharge Category

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE / PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Reactor Safety	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Rulemaking						
Rulemaking	0	0.0	0	0.0	0	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Licensing						
Uranium Recovery Licensing Actions	0	0.0	0	0.0	0	0.0
Oversight						
LLW Regulation & Oversight	111	5.0	111	5.5	0	(0.5)
Enforcement	0	0.0	0	0.0	0	0.0
Event Evaluation	0	0.0	0	0.0	0	0.0
Mission Training						
Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking	188	1.5	115	2.0	73	(0.5)
Rulemaking Support	0	1.0	0	0.5	0	0.5
Total Direct Resources	299	7.5	226	8.0	73	(0.5)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	299	7.5	226	8.0	73	(0.5)
TOTAL GENERIC LOW LEVEL WASTE	299	7.5	226	8.0	73	(0.5)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$3,299		$3,283		$16	

Part 171 Annual Fees

Fuel Facilities

Section III.B.2.a
Table VI
Table VII
Table VIII

The FY 2017 budgeted cost to be recovered in the annual fees assessment to the fuel facility class of licenses [which includes licensees in fee categories 1.A.(1)(a), 1.A.(1)(b), 1.A.(2)(a), 1.A.(2)(b), 1.A.(2)(c), 1.E., and 2.A.(1), under §171.16] is approximately $26.8 million. This value is based on the full cost of budgeted resources associated with all activities that support this fee class, which is reduced by estimated part 170 collections and adjusted for allocated generic transportation resources, and fee relief.

FY 2017 MISSION DIRECT BUDGETED RESOURCES				
			FUEL FACILITY	
	TOTAL		ALLOCATIONS	
	CONTRACT		CONTRACT	
	$,K	FTE	$,K	FTE
NUCLEAR REACTOR SAFETY	128,087.0	2,042.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	33,088.0	545.0	1,860.0	81.7
CORPORATE	202,725.0	717.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,358.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	365,258.0	3,362.0	1,860.0	81.7

Figures below in $, M (unless otherwise indicated)		
(1) FY 2017 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)		34.5
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS		11.1
(3) PART 171 ALLOCATIONS (equals 1 - 2)		23.5
(4) GENERIC TRANSPORTATION RESOURCES (allocated)		1.6
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)		25.1
(6) FY 2017 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)		36.1
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)		4.34%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge		1.8
(9) Fee-Relief Adjustment and LLW Surcharge per licensee		
(10) Part 171 billing adjustments		-0.03
(11) Adjustment for DOE Transportation PY billing adjustment		0.0
(12) TOTAL FY 2017 ANNUAL FEE (equals 5+8+10+11)		26.82
(13) Number of Licensees		different for different categories of licenses; see other worksheets
(14) Fee Per License (equals 12/13)		
unrounded annual fee amount per license, actual $		
rounded annual fee, actual $		

FTE RATE (average based on budget data, actual $):	399,987

Mission Direct Budgeted Resources for
Fuel Facilities Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE/ PRODUCTS:						
Oversight						
Allegations & Investigations	0	0.0	0	0.0	0	0.0
Construction Inspection	0	0.0	0	0.0	0	0.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	0	0.0	0	0.0	0	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Part 50	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Vendor Inspection	0	0.0	0	0.0	0	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Oversight						
Allegations & Investigations	0	0.0	0	0.0	0	0.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	0	0.0	0	0.0	0	0.0
Event Evaluation	0	0.0	0	0.0	0	0.0
Inspection	0	0.0	0	0.0	0	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Research & Test Reactor Insp.	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Reactor Safety	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Event Response						
Response Program	30	2.0	30	2.5	0	(0.5)
International Activities						
International Cooperation	0	1.0	0	1.0	0	0.0
Licensing						
Emergency Preparedness	0	1.0	0	1.0	0	0.0
Environmental Reviews	300	1.0	200	1.5	100	(0.5)
Fukushima NTTF	0	0.0	0	1.0	0	(1.0)
Licensing Actions	665	27.0	555	31.5	110	(4.5)
Licensing Support	0	0.0	0	0.0	0	0.0
Security	0	2.0	0	2.0	0	0.0
Oversight						
Allegations & Investigations	0	0.0	0	0.5	0	(0.5)
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	10	2.0	10	2.0	0	0.0
Inspection	0	30.0	100	36.0	(100)	(6.0)
NSPDP Training	0	1.0				
Mission IT	0	0.0	0	0.0	0	0.0
Security	337	7.0	337	9.5	0	(2.5)
Research						
Longterm Research	0	0.0	0	0.0	0	0.0
Materials Research	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking (PL)	23	7.0	182	10.0	(159)	(3.0)
Rulemaking support	0	0.0	0	1.0	0	(1.0)
Security	0	0.0	0	0.0	0	0.0
Training						
Mission Training	401	0.0	305	0.0	96	0.0
NSPDP Training	0	0.0	0	1.0	0	(1.0)
Total Direct Resources	1,766	81.0	1,719	100.5	47	(19.5)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
International Activities						
Multilateral/Bilateral	0	0.0	0	0.0	0	0.0
Oversight						
Allegations & Investigations	0	0.0	0	0.0	0	0.0

Mission Direct Budgeted Resources for Fuel Facilities Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
Enforcement						
Event Evaluation	0	0.0	0	0.0	0	0.0
Inspection	3	0.0	0	0.0	3	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Security	0		0		0	0.0
Rulemaking						
Rulemaking	0	0.0	0	0.0	0	0.0
State Tribal and Federal Programs						
Liaison	0	0.5	0	0.5	0	0.0
Training						
Mission Training	75	0.2	62	0.2	13	0.0
Total Direct Resources	78	0.7	62	0.7	16	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Licensing						
Uranium Recovery Env. Reviews	0	0.0	0	0.0	0	0.0
Uranium Recovery Lic. Actions	0	0.0	0	0.0	0	0.0
Mission Training						
Training	16	0.0	20	0.0	(4)	0.0
Total Direct Resources	16	0.0	20	0.0	(4)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Licensing						
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Environmental Reviews	0	0.0	0	0.0	0	0.0
Licensing Support	0	0.0	0	0.0	0	0.0
Rulemaking	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Storage Licensing	0	0.0	0	0.0	0	0.0
Transportation Certification	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	1,860	81.7	1,801	101.2	59	(19.5)
TOTAL FUEL FACILITY	1,860	81.7	1,801	101.2	59	(19.5)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	34,539		40,466		($5,927)	

USING 10/16 MATRIX

FUEL FACILITY ANNUAL FEES
FY 2017

Part 171 Amount	$25,082,515
Less Billing Adjustment	-26,066
Less Recission Adjustment	
TOTAL	$25,056,449

	SAFETY	SAFEGUARDS	TOTAL	FEE-RELIEF	TOTAL ANNUAL FEE
Allocation of Part 171 Amount to Safety/Safeguards	$13,399,171	$11,657,279	$25,056,449	$1,768,753	$26,825,203

EFFORT FACTORS

FEE CATEGORY		NUMBER OF LICENSES	Safety	%	Safeguards	%	Total	%
1A(1)(a)	SSNM (HEU)	2	88	44.0%	96	55.2%	184	49.2%
1A(1)(b)	SNM (LEU)	3	70	35.0%	30	17.2%	100	26.7%
1A(2)(a)	LIMITED OPS (Paducah)	0	0	0.0%	0	0.0%	0	0.0%
1A(2)(b)	OTHERS (Gas centrifuge enrichment demonstration)	1	3	1.5%	15	8.6%	18	4.8%
1A(2)(c)	OTHERS (hot cell facility)	1	6	3.0%	3	1.7%	9	2.4%
1E	ENRICHMENT	1	21	10.5%	23	13.2%	44	11.8%
2A(1)	UF6 (Honeywell)	1	12	6.0%	7	4.0%	19	5.1%
	TOTAL	9	200	100.0%	174	100%	374	100%
	% of total		53.5%		46.5%			

ALLOCATION to CATEGORY

Fee Category			(1)	(2)	(3)	(4)	(5) TOTAL ANNUAL FEE PER LICENSE	FY 2017 Annual Fee Rounded	FY 2016 Annual Fee	% inc./dec.	GRAND TOTALS
1A(1)(a)	SSNM (HEU)	2	$5,895,635	$6,431,602	$12,327,237	$870,189	$6,598,713	**$6,599,000**	$7,867,000	-16.1%	13,197,426
1A(1)(b)	SNM (LEU)	3	4,689,710	2,009,876	6,699,585	$472,929	$2,390,838	**$2,391,000**	$2,736,000	-12.6%	7,172,514
1A(2)(a)	LIMITED OPS (Paducah)	0	0	0	0	$0	$0	**$0**	$0	100.0%	0
1A(2)(b)	OTHERS (Gas centrifuge enrichment demonstration)	1	200,988	1,004,938	1,205,925	$85,127	$1,291,053	**$1,291,000**	$1,539,000	-16.1%	1,291,053
1A(2)(c)	OTHERS (hot cell facility)	1	401,975	200,988	602,963	$42,564	$645,526	**$646,000**	$770,000	-16.1%	645,526
1E	ENRICHMENT	1	1,406,913	1,540,905	2,947,818	$208,089	$3,155,906	**$3,156,000**	$3,762,000	-16.1%	3,155,906
2A(1)	UF6 (Honeywell)	1	803,950	468,971	1,272,921	$89,856	$1,362,778	**$1,363,000**	$1,731,000	-21.3%	1,362,778
		9	$13,399,171	$11,657,279	$25,056,449	$1,768,753					26,825,203

Cols 1 and 2=budgeted amounts x percent of total effort factor

Col 3 = Col 1 + Col 2

Col 4 = Total fee-relief x percent of total effort factor

Col 5 = Col 3 + Col 4 / number of licensees

NRC FUEL CYCLE FACILITIES
FY 2017 ANNUAL FEES - EFFORT FACTOR MATRIX
Sept 2016

CATEGORY	LICENSEE	DOCKET	FEE CATEGORY	PROCESSES																		SUBTOTALS		TOTAL	
				SOLID UF6/METAL		ENRICHMENT		LIQUID UF6		HEU DOWN BLEND		CONVERSION POWDER		PELLET		ROD/ BUNDLE		SCRAP/ WASTE		HOT CELL		SENSITIVE INFORMATION					
				S	SG	S	SG	S	SG	S	SG	S	SG	S	SG	S	SG	S	SG	S	SG	S	SG	S	SG		
Fuel Fabrication (HEU)	B&W NOG (SNM-42)	70-00027	1A(1)(a)	10	10	0	0	0	0	5	5	5	5	10	5	5	5	10	5	1	1	1	10	47	46	93	
	NFS (SNM-124)	70-00143	1A(1)(a)	10	10	0	0	0	0	10	10	10	10	0	0	0	0	10	10	0	0	1	10	41	50	91	
Uranium Enrichment	LES (SNM-2010)	70-03103	1E	10	1	5	10	1	1	0	0	0	0	0	0	0	0	5	1	0	0	0	10	21	23	44	
	USEC ACP (SNM-2011)*	70-07004	1E	10	1	5	10	1	1	0	0	0	0	0	0	0	0	5	1	0	0	0	10	-	-	-	Not in op.
	AREVA Eagle Rock (SNM-201	70-07015	1E	10	1	5	10	1	1	0	0	0	0	0	0	0	0	5	1	0	0	0	10	-	-	-	Not in op.
	Global Laser Enrichment (SNM-2019)*	70-07016	1E	10	1	5	10	1	1	0	0	0	0	0	0	0	0	5	1	0	0	0	10	-	-	-	Not in op.
Fuel Fabrication (LEU)	Global Nuclear (SNM-1097)	70-01113	1A(1)(b)	5	1	1	5	1	1	0	0	5	1	5	1	1	1	5	1	0	0	1	5	24	16	40	
	AREVA NP Richland (SNM-1227)	70-01257	1A(1)(b)	5	1	0	0	1	1	0	0	5	1	5	1	1	1	5	1	0	0	1	1	23	7	30	
	Westinghouse (SNM-1107)	70-01151	1A(1)(b)	5	1	0	0	1	1	0	0	5	1	5	1	1	1	5	1	0	0	1	1	23	7	30	
UF6 Conversion	Honeywell (SUB-526)	40-03392	2A(1)	5	1	0	0	5	5	0	0	1	0	0	0	0	0	1	0	0	0	0	1	12	7	19	
	International Isotopes (SUB-1011)	40-09086	2A(1)	5	1	0	0	5	5	0	0	1	0	0	0	0	0	1	0	0	0	0	1	-	-	-	Not in op.
Enrichment Demonstration	USEC Lead Cascade (SNM-7003)	70-07003	1A(2)(b)	1	0	1	5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	10	3	15	18	
Hot Cell	GE Vallecitos (SNM-960)	70-00754	1A(2)(c)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	1	1	0	1	6	3	9	
																						TOTALS		200	174	374	

S = Safety
SG = Safeguards

HIGH =	10
MODERATE=	5
LOW =	1
NONE =	0

Changes from Prior Year:

No Changes	13
New Addition	0

FY15 Notes:

1 USEC ACP is licensed, but not proceeding with construction.
2 AREVA Eagle Rock is licensed, but not proceeding with construction.
3 Global Nuclear has license responsibility for GLE enrichment test loop and classified information related to it. That is basis for the "5" in the sensitive information column.
4 Global Laser Enrichment is licensed, but not proceeding with construction.
5 International Isotopes is licensed, but not proceeding with construction.

**** I hereby agree that the operating licenses noted above are in agreement with the operating and billable licensees in the Web-Based Licensing (WBL) system.**

/RA/ Craig Erlanger 9/2/2016
Division Director, FCSE

Part 171 Annual Fees

Uranium Recovery Facilities

Section III.B.2.b

Table IX
Table X
Table XI
Table XII

The total FY 2017 budgeted cost to be recovered through annual fees assessed to the uranium recovery class [which includes licensees in fee categories 2.A.(2)(a), 2.A.(2)(b), 2.A.(2)(c), 2.A.(2)(d), 2.A.(2)(e), 2.A.(3), 2.A.(4), 2.A.(5) and 18.B., under § 171.16], is approximately $1,029,000 (rounded).

Of the required annual fee collections, $627,000 is assessed to DOE's Uranium Mill Tailings Radiation Control Act (UMTRCA) under fee category 18.B. The remaining $402,000 (rounded) would be recovered through annual fees assessed to the other licensees in this fee class (i.e., conventional mills, in-situ recovery facilities, 11e.(2) mill tailings disposal facilities (incidental to existing tailings sites), and a uranium water treatment facility.)

FY 2017 MISSION DIRECT BUDGETED RESOURCES				
			URANIUM RECOVERY	
	TOTAL		ALLOCATIONS	
	CONTRACT		CONTRACT	
	$,K	FTE	$,K	FTE
NUCLEAR REACTOR SAFETY	128,087.0	2,042.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	33,088.0	545.0	2,688.0	30.2
CORPORATE	202,725.0	717.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,358.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	365,258.0	3,362.0	2,688.0	30.2

Figures below in $, M (unless otherwise indicated)		
(1) FY 2017 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)		14.77
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS		13.62
(3) PART 171 ALLOCATIONS (equals 1 - 2)		1.15
(4) GENERIC TRANSPORTATION RESOURCES (allocated)		
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)		1.15
(6) FY 2017 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)		14.77
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)		1.78%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge		-0.11
(9) Fee-Relief Adjustment and LLW Surcharge per licensee		
(10) Part 171 billing adjustments		-0.01
(11) Adjustment for DOE Transportation PY billing adjustment		0.00
(12) TOTAL FY 2017 ANNUAL FEE (equals 5+8+10+11)		1.03
(13) Number of Licensees		different for different categories of licenses; see other worksheets
(14) Fee Per License (equals 12/13)		
unrounded annual fee amount per license, actual $		
rounded annual fee, actual $		
FTE RATE (average based on budget data, actual $): 399,987		

URANIUM RECOVERY ANNUAL FEES
FY 2017

	TOTAL
TOTAL ANNUAL FEE AMOUNT (excl. fee-relief adjustment):	$1,136,939
TOTAL FEE-RELIEF ADJUSTMENT:	-107,640
TOTAL:	$1,029,299

GROUP 1
Calculation of DOE Annual Fee

Fee Category		contract $	FTE	FTE Rate	Less: Part 170 Receipts	Total Fee
18.B.	DOE UMTRCA Budgeted Costs:	$0	1.90	$399,987	-$178,010	$581,964
	10% x (Total Annual Fee Amount (excl. Fee-Relief) less UMTRCA)					$55,497
	10% of Fee-Relief Activities					-$10,764
					Total:	$626,698
					DOE's Annual Fee Rounded:	$627,000

GROUP 2
Calculation of Annual Fee Amount for Remaining UR Licensees

	FY 2017 Total Fee
Remaining Annual Fee Amount (excl. Fee-Relief Adjustment):	$499,477
Remaining Fee Relief Adjustment (90%):	-$96,876
Total:	$402,601

CALCULATION OF ANNUAL FEE AMOUNTS BY CATEGORY:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)				
Type of Site	Fee Category	Number of Licenses	Category Benefit	Total Benefit Value	Percent	Total base annual fee	Annual Fee Per License Base	Fee Relief	Total	FY 2017 Annual Fee Rounded	FY16 Fee	% Inc./dec.	GRAND TOTAL
Conventional & Heap Leach Mills	2.A.(2)(a)	1	150	150	11%	$52,577	$52,577	-$10,198	$42,379	**$42,400**	**$38,900**	9.00%	$42,379
Basic In-situ Recovery Facilities	2.A.(2)(b)	5	190	950	67%	$332,985	$66,597	-$12,917	$53,680	**$53,700**	**$49,300**	8.92%	$268,401
Expanded In-situ Recovery Facilities	2.A.(2)(c)	1	215	215	15%	$75,360	$75,360	-$14,616	$60,743	**$60,700**	**$55,800**	8.78%	$60,743
In-situ Recovery Resin Facilities	2.A.(2)(d)	0	-	-	0%	$0	N/A	N/A	N/A	N/A	**N/A**	N/A	$0
Resin Toll Milling Facilities	2.A.(2)(e)	0	-	-	0%	$0	N/A	N/A	N/A	N/A	**N/A**	N/A	$0
Facilities for Disposal of 11e(2) Materials	2.A.(3)	0	-	-	0%	$0	N/A	N/A	N/A	N/A	**N/A**	N/A	$0
Disposal Incident to Operation at Licensed Facilities	2.A.(4)	1	85	85	6%	$29,793	$29,793	-$5,779	$24,015	**$24,000**	**$22,000**	9.09%	$24,015
Uranium Water Treatment Facility	2.A.(5)	1	25	25	2%	$8,763	$8,763	-$1,700	$7,063	**$7,100**	**$6,500**	9.23%	$7,063
TOTAL		9	665	1,425	100%	$499,477							$402,601
												DOE	$626,698
												Total	$1,029,299

Col. 3= Col. 1 x Col. 2
Col. 5= Col. 4 x Group 2 Total Base Fee
Col. 6= Col. 5 /Col. 1
Col. 7= Col. 4 x Group 2 Fee-Relief Adjustment Amount/Col. 1
Col. 8= Col. 6 + Col. 7

Mission Direct Budgeted Resources for Uranium Recovery Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE / PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Reactor Safety	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Rulemaking						
Rulemaking	0	0.0	0	0.0	0	0.0
State Tribal and Federal Programs						
Agreement States	0	0.0	0	0.0	0	0.0
Liaison	0	1.0	0	1.0	0	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	1.0	0	1.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Licensing						
Decommissioning Licensing Actions	0	0.8	40	1.8	(40)	(1.0)
Uranium Recovery Envir. Reviews	2,533	7.8	2,132	9.3	401	(1.5)
Uranium Recovery Lic. Actions	127	14.8	60	9.6	67	5.2
Oversight						
Inspection	0	5.8	0	4.6	0	1.2
Mission Training						
Training	28	0.0	35	0.0	(7)	0.0
Total Direct Resources	2,688	29.2	2,267	25.3	421	3.9
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	2,688	30.2	2,267	26.3	421	3.9
TOTAL URANIUM RECOVERY	2,688	30.2	2,267	26.3	421	3.9
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$14,768		$12,315		$2,453	

URANIUM RECOVERY MATRIX OF REGULATORY BENEFIT BY CATEGORY OF LICENSEE

includes facilities in ***operational status*** (even if in standby), excludes possession only licensees

TO DETERMINE ANNUAL FEES FOR FY17 FEE RULE

			TYPE OF OPERATING ACTIVITY									
			Operations		Waste Operations		Groundwater Protection					
			weight =		weight =		weight =					
			10		5		10					
Type of Site	Fee Category	No. of Licensees	Benefit	Total Score (=benefit score * weight)	Benefit	Total Score (=benefit score * weight)	Benefit	Total Score (=benefit score * weight)	Total Score, all activities	Total Score, all Licensees per category	Percent total Annual Fee, per Licensee	
Conventional and Heap Leach Mills	2(A)2a	1	5	50	10	50	5	50	150	150	11%	0.1053
Basic In Situ Recovery Facilities	2(A)2b	5	9	90	2	10	9	90	190	950	13%	0.6667
Expanded In Situ Recovery Facilities	2(A)2c	1	10	100	3	15	10	100	215	215	15%	0.1509
In-situ Recovery Resin Facilities	2(A)2d	0	8	80	2	10	9	90	180	0	13%	0.0000
Resin Toll Milling Facilities	2(A)2e	0	0	0	0	0	0	0	0	0	0%	0.0000
Facilities for Disposal of 11e(2) Materials	2(A)3	0	0	0	0	0	0	0	0	0	0%	0.0000
Disposal Incident to Operation at Licensed Facilities	2(A)4	1	2	20	5	25	4	40	85	85	6%	0.0596
Uranium Water Treatment Facility	2(A)5	1	1	10	3	15	0	0	25	25	2%	0.0175
Grand Total										1425		1.0000

Benefit factors under "Operations", "Waste Operations", and "Groundwater Protection" reflect the regulatory benefit to each licensee in the fee category from generic uranium recovery program activities.

Level of Regulatory Benefit- Scale of 0 to 10 (examples)	
None	0
Minor	2
Some	5
Significant	10

Part 171 Annual Fees

Operating Power Reactors

Section III.B.2.c

Table XIII

The budgeted costs to be recovered through annual fees to power reactors are divided equally among the 99 power reactors licensed to operate. This results in a FY 2017 annual fee of $4,318,000 per reactor. Additionally, each power reactor licensed to operate would be assessed the FY 2017 spent fuel storage/reactor decommissioning annual fee of $194,000. This results in a total FY 2017 annual fee of $4,512,000 for each power reactor licensed to operate.

The NRC amended its licensing, inspection and annual fee regulations to establish a variable annual fee structure for light-water small modular reactors (SMR) on May 24, 2016. Under the variable annual fee structure, an SMR's annual fee would be calculated as a function of its licensed thermal power rating. This fee methodology complies with OBRA-90, as amended. Currently, there are no operating SMRs; therefore, the NRC will not propose an annual fee in FY 2017 for this type of licensee.

FY 2017 MISSION DIRECT BUDGETED RESOURCES				
			POWER REACTORS	
	TOTAL		ALLOCATIONS	
	CONTRACT		CONTRACT	
	$,K	FTE	$,K	FTE
NUCLEAR REACTOR SAFETY	128,087.0	2,042.0	95,040.0	1,531.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	33,088.0	545.0	2,451.0	8.2
CORPORATE	202,725.0	717.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,358.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	365,258.0	3,362.0	97,491.0	1,539.2

Figures below in $, M (unless otherwise indicated)	
(1) FY 2017 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)	713.2
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS	281.1
(3) PART 171 ALLOCATIONS (equals 1 - 2)	432.0
(4) GENERIC TRANSPORTATION RESOURCES (allocated)	0.3
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)	432.4
(6) FY 2017 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)	713.5
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)	85.79%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge	-4.4
(9) Fee-Relief Adjustment and LLW Surcharge per licensee	-0.04
(10) Part 171 billing adjustments	-0.51
(11) Adjustment for DOE Transportation PY billing adjustment	0.0
(12) TOTAL FY 2017 ANNUAL FEE (equals 5+8+10+11)	427.5
(13) Number of Licensees	99
(14) Fee Per License (equals 12/13)	4.32
unrounded annual fee amount per license, actual $	4,317,764
rounded annual fee, actual $	4,318,000

FTE RATE (average based on budget data, actual $):	399,987

Mission Direct Budgeted Resources Allocated to Power Reactors Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE / PRODUCTS:						
International Activities						
International Cooperation	60	5.0	60	7.0	0	(2.0)
Licensing						
Advanced Reactors	0	0.0	0	0.0	0	0.0
Combined Licenses	495	19.0	4,291	54.0	(3,796)	(35.0)
Design Certification	6,991	73.0	9,291	41.5	(2,300)	31.5
Early Site Permit	3,044	19.0	445	8.0	2,599	11.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Fukushima NTTF	0	0.0	0	1.5	0	(1.5)
Licensing Actions	685	32.0	1,055	31.5	(370)	0.5
Licensing Support	3,066	52.0	2,891	60.5	175	(8.5)
Mission IT	1,776	5.0	2,175	6.0	(399)	(1.0)
New Reactor Facilities	0	0.0	0	0.0	0	0.0
NSPDP Training	0	2.0	0	0.0	0	2.0
Operator Licensing	0	11.0	0	15.0	0	(4.0)
Pre-Application Reviews	0	1.0	480	5.5	(480)	(4.5)
Part 50	0	0.0	0	0.5	0	(0.5)
Security	0	0.0	0	0.0	0	0.0
Oversight						
Allegations & Investigations	0	11.0	0	8.5	0	2.5
Construction Inspection	270	55.0	470	70.5	(200)	(15.5)
Emergency Preparedness	0	1.0	0	1.0	0	0.0
Enforcement	6	3.0	6	3.5	0	(0.5)
Mission IT	0	0.0	10	0.0	(10)	0.0
NSPDP Training	0	1.0	0	0.0	0	1.0
Part 50	0	0.0	0	0.0	0	0.0
Security	600	4.0	640	5.0	(40)	(1.0)
Vendor Inspection	200	26.0	200	25.5	0	0.5
Research						
Adv. Reactors Research	400	1.0	620	2.5	(220)	(1.5)
Long term Research	0	0.0	0	0.0	0	0.0
New Reactors Research	3,175	11.0	4,040	10.0	(865)	1.0
Rulemaking						
Rulemaking (PL)	0	5.0	120	6.5	(120)	(1.5)
Security	0	0.0	0	0.0	0	0.0
Rulemaking Support	0	1.0	0	1.0	0	0.0
Training						
Mission Training	649	12.0	920	13.0	(271)	(1.0)
Mission IT	30	0.0	0	0.0	30	0.0
NSPDP Training	0	0.0	0	4.0	0	(4.0)
Total Direct Resources	21,447	350.0	27,714	382.0	(6,267)	(32.0)
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Event Response						
Mission IT	6,286	5.0	5,380	5.0	906	0.0
Other Response Activities	986	0.0	0	0.0	986	0.0
Response Operations	300	20.0	200	19.0	100	1.0
Response Program	0	15.0	500	18.5	(500)	(3.5)
International Activities						
International Cooperation	0	15.4	0	18.0	0	(2.6)
Licensing						
Emergency Preparedness	0	10.0	295	12.0	(295)	(2.0)
Generic Issues Program	0	0.0	0	0.0	0	0.0
Fukushima NTTF/Japan Lessons Learned	1,650	75.0	4,181	96.0	(2,531)	(21.0)
License Renewal	1,095	44.0	913	54.5	182	(10.5)
Licensing Actions	6,127	146.0	12,007	156.5	(5,880)	(10.5)
Licensing Support	4,307	43.0	561	48.0	3,746	(5.0)
Mission IT	244	0.0	244	1.5	0	(1.5)
NSPDP Training	0	2.0	0	0.0	0	2.0
Operator Licensing	255	35.0	455	38.5	(200)	(3.5)
Research & Test Reactors	0	0	0	0	0	0.0
Security	750	13	1,030	12.5	(280)	0.5
Oversight						
Allegations & Investigations	25	51.0	25	47.5	0	3.5
Emergency Preparedness	0	21.0	0	21.0	0	0.0
Enforcement	117	18.8	116	18.7	1	0.1
Event Evaluation	55	43.0	55	44.0	0	(1.0)
Fukushima NTTF	0	6.0	0	4.0	0	2.0
Inspection	2,996	337.0	3,531	365.5	(535)	(28.5)
Mission IT	6,062	8.0	6,887	7.5	(825)	0.5
NSPDP Training	0	13.0	0	0.0	0	13.0
Research & Test Reactor Insp.	0	0.0	0	1.5	0	(1.5)

Mission Direct Budgeted Resources Allocated to Power Reactors Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
Security	3,659	58.0	3,349	60.5	310	(2.5)
Vendor Inspection	0	2.0	0	2.0	0	0.0
Research						
Consequence Analysis & Hlth Effects	0	0.0	0	0.0	0	0.0
Digital I&C & Electrical Res.	0	0.0	0	0.0	0	0.0
Fire Safety Research	0	0.0	0	0.0	0	0.0
Fukushima NTTF	0	0.0	992	4.5	(992)	(4.5)
Generic Issues & Oper. Exp.	225	4.0	225	4.0	0	0.0
International Research	0	0.0	0	0.0	0	0.0
Longterm Research	0	0.0	0	0.0	0	0.0
Materials Performance Research	0	0.0	0	0.0	0	0.0
Mission IT	1,477	2.0	1,125	2.5	352	(0.5)
NSPDP Training	0	2.0	0	0.0	0	2.0
Operational Events Analysis	0	0.0	0	0.0	0	0.0
Reactor Research	32,742	116.0	39,018	122.0	(6,276)	(6.0)
Reactor Safety Codes & Analysis	0	0.0	0	0.0	0	0.0
Risk Analysis	0	0.0	0	0.0	0	0.0
Seismic & Structural Research	0	0.0	0	0.0	0	0.0
Rulemaking						
Fukushima NTTF/Japan Lessons Learned	150	5.0	508	14.5	(358)	(9.5)
Rulemaking (PL)	325	32.0	249	18.2	76	13.8
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Rulemaking Support	250	14.0	250	16.0	0	(2.0)
Security	0	0.0	0	0.0	0	0.0
Training						
Fukushima NTTF/Japan Lessons Learned	0	0.0	0	0.0	0	0.0
Mission IT	122	0.0	100	0.0	22	0.0
Mission Training	3,388	24.8	2,676	24.8	712	0.0
NSPDP Training	0	0.0	0	17.0	0	(17.0)
Total Direct Resources	73,593	1181.0	84,872	1,275.7	(11,279)	(94.7)
Grand Total Nuclear Reactor Safety	95,040	1531.0	112,586	1,657.7	(17,546)	(126.7)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Research						
Materials Research	0	0.0	0	0.5	0	(0.5)
Total Direct Resources	0	0.0	0	0.5	0	(0.5)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
International Activities						
Multilateral/Bilateral	0	0.0	0	0.0	0	0.0
Oversight						0.0
Inspection	3	0.0	3	0.0	0	0.0
Rulemaking						0.0
Rulemaking	0	0.0	0	0.0	0	0.0
State, Tribal and Federal Programs						
Liaison	0	1.0	0	1.5	0	(0.5)
Training						0.0
Mission Training	205	0.2	190	0.2	15	0.0
Total Direct Resources	208	1.2	193	1.7	15	(0.5)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Licensing						
Decomm. Licensing Actions	0	1.0	0	0.0	0	1.0
Uranium Recovery Env. Reviews	0	0.0	0	0.0	0	0.0
Uranium Recovery Lic. Actions	0	0.0	0	0.0	0	0.0
Mission Training						
Training	8	0.0	10	0.5	(2)	(0.5)
Total Direct Resources	8	1.0	10	0.5	(2)	0.5
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
International Activities						
International Cooperation	0	0.0	75	0.0	(75)	0.0
Licensing						
Emergency Preparedness	0	0	0	0	0	0.0
Environmental Reviews	0	0	0	0	0	0.0
Licensing Support	0	0	100	1	(100)	(1.0)
Mission IT	0	0	0	0	0	0.0
Security	0	0	0	0	0	0.0
Storage Licensing	0	1	0	1	0	0.0
Transportation Certification	0	0	0	0	0	0.0

Mission Direct Budgeted Resources Allocated to Power Reactors Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
Research						
Waste Research	1,435	3.0	1,435	0.0	0	3.0
Rulemaking						
Rulemaking (PL)	800	2.0	349	1.3	451	0.7
Travel						
Mission Travel	0	0.0	0	0.0	0	0.0
Training						
Mission Training	0	0	0	0	0	0.0
Total Direct Resources	2,235	6.0	1,959	3.3	276	2.7
Grand Total Nuclear Materials & Waste Safety	2,451	8.2	2,162	6.0	289	2.2
TOTAL POWER REACTORS	97,491	1,539.2	114,748	1,663.7	(17,257)	(124.5)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	713,151		750,396		($37,245)	

The budgetary resources allocated to Power Reactors Fee Class from Nuclear Materials & Waste Safety Program include (but are not limited to) activities pertaining to analysis, data collection, modeling future strategies for disposal of spent fuel and high level waste and monitoring developments in the evolving national waste management strategy. In addition to tribal program activities, dosimeter costs and materials training widely attended by all agency staff including inspectors benefitting numerous facets of the agency's mission.

OPERATING POWER REACTOR ANNUAL FEE
FY 2017

NUMBER OF POWER REACTORS LICENSED TO OPERATE:
(by Nuclear Steam System Supplier & Design Type)

Westinghouse	48
General Electric	34
Combustion Engineering	11
Babcock & Wilcox	6
TOTAL REACTORS	99

DETERMINATION OF ANNUAL FEE:

TOTAL BUDGETED COSTS FOR OPERATING POWER REACTORS (INCLUDES NON-FEE ACTIVITIES)	$713,150,257
ANNUAL FEE PER REACTOR (rounded) (BUDGETED COSTS DIVIDED BY 99 OPERATING POWER REACTORS)	$ 4,318,000
PLUS SPENT FUEL STORAGE/ REACTOR DECOMMISSIONING ANNUAL FEE	$194,000
TOTAL ANNUAL FEE PER LICENSE	$4,512,000

12/14/2016

Part 171 Annual Fees

Spent Fuel Storage/Reactor Decommissioning

Section III.B.2.d

Table XIV

For FY 2017, budgeted costs of approximately $23.7 million for spent fuel storage/reactor decommissioning are to be recovered through annual fees assessed to part 50 power reactors, and to part 72 licensees who do not hold a part 50 license. Those reactor licensees that have ceased operations and have no fuel onsite are not subject to these annual fees. The required annual fee recovery amount is divided equally among 122 licensees, resulting in a FY 2017 annual fee of $194,000 per licensee.

FY 2017 MISSION DIRECT BUDGETED RESOURCES				
			SPENT FUEL STORAGE/	
			REACTOR DECOMM.	
	TOTAL		ALLOCATIONS	
	CONTRACT		CONTRACT	
	$,K	FTE	$,K	FTE
NUCLEAR REACTOR SAFETY	128,087.0	2,042.0	2.0	0.1
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	33,088.0	545.0	3,618.0	67.8
CORPORATE	202,725.0	717.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,358.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	365,258.0	3,362.0	3,620.0	67.9

Figures below in $, M (unless otherwise indicated)		
(1) FY 2017 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)		30.8
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS		7.7
(3) PART 171 ALLOCATIONS (equals 1 - 2)		23.1
(4) GENERIC TRANSPORTATION RESOURCES (allocated)		0.9
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)		24.0
(6) FY 2017 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)		31.6
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)		3.80%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge		-0.232
(9) Fee-Relief Adjustment and LLW Surcharge per licensee		0.00
(10) Part 171 billing adjustments		-0.02
(11) Adjustment for DOE Transportation PY billing adjustment		0.0
(12) TOTAL FY 2017 ANNUAL FEE (equals 5+8+10+11)		23.70
(13) Number of Licensees		122
(14) Fee Per License (equals 12/13)		0.194
unrounded annual fee amount per license, actual $		194,242
rounded annual fee, actual $		194,000
FTE RATE (average based on budget data, actual $):	399,987	

Mission Direct Budgeted Resources Allocated to Spent Fuel Storage/Reactor Decommissioning Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE */ PRODUCTS:*						
Oversight						
Enforcement	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Oversight						
Allegations & Investigations	0	0.0	0	0.0	0	0.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	1	0.1	1	0.1	0	0.0
Event Evaluation	0	0.0	0	0.0	0	0.0
Inspection	0	0.0	0	0.0	0	0.0
Mission IT	1	0.0	1	0.0	0	0.0
Research & Test Reactor Insp.	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Total Direct Resources	2	0.1	2	0.1	0	0.0
Grand Total Nuclear Reactor Safety	2	0.1	2	0.1	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Oversight						
Allegations & Investiagtions	0	0.0	0	0.0	0	0.0
Enforcement	2	0.3	2	0.2	0	0.1
Inspection	3	0.0	3	0.0	0	0.0
Rulemaking						
Rulemaking	0	0.0	0	0.0	0	0.0
State, Tribal and Federal Pro.						
Liaison	0	0.0	30	0.5	(30)	(0.5)
Training						
Mission Training	42	0.0	37	0.0	5	0.0
Total Direct Resources	47	0.3	72	0.7	(25)	(0.4)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
International						
International Cooperation	0	1.0	0	0.3	0	0.0
Licensing						
Decommissioning Licensing Actions	0	0.0	0	0.0	0	0.0
Oversight						
Inspection	0	9.9	0	10.8	0	(0.9)
Mission Training						
Training	258	0.0	327	0.0	(69)	0.0
Total Direct Resources	258	10.9	327	11.1	(69)	(0.2)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
International Activities						
International Cooperation	90	0.5	0	0.5	90	0.0
Licensing						
Emergency Preparedness	0	0	0	0	0	0.0
Environmental Reviews	863	4	200	2.5	663	1.5
Fukushima NTTF	0	0	0	0	0	0.0
Licensing Actions	15	1	15	1	0	0.0
Licensing Support	100	8	0	6	100	2.0
Mission IT	262	0.6	262	0.6	0	0.0
Security	0	3	0	3	0	0.0
Storage Licensing	600	20	600	17	0	3.0
Transportation Certification	0	0	0	0	0	0.0
Oversight						
Security	0	2	0	2	0	0.0
Inspection	0	8.5	0	11	0	(2.5)
Research						

Mission Direct Budgeted Resources Allocated to Spent Fuel Storage/Reactor Decommissioning Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
Waste Research	1,303	3.0	153	4.0	1,150	(1.0)
Rulemaking						
Rulemaking (PL)	0	4.0	150	2.5	(150)	1.5
Rulemaking Support	67	2.0	485	11.8	(418)	(9.8)
Security	0	0.0	0	0.0	0	0.0
Training						
Mission Training	13	0.0	11	0.0	2	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Travel						
Mission Travel	0	0	0	0	0	0.0
Total Direct Resources	3,313	56.6	1,876	61.9	1,437	(5.3)
Grand Total Nuclear Materials & Waste Safety	3,617.9	67.8	2,274.9	73.7	1,343	(5.9)
TOTAL SPENT FUEL STORAGE & REACTOR DECOMM.	3,620	67.9	2,277	73.8	1,343	(5.9)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$30,779		$30,474		$305	

SPENT FUEL STORAGE/REACTOR DECOMMISSIONING
ANNUAL FEE
FY 2017

LICENSES SUBJECT TO THE ANNUAL FEE:

Operating Power Reactor Licensees: 99

Power Reactors in Decommissioning or Possession Only Status with Fuel Onsite

Reactor	Docket No.
Big Rock Point	50-155
Indian Point, Unit 1	50-003
Dresden, Unit 1	50-010
Haddam Neck	50-213
Humboldt	50-133
La Crosse	50-409
Maine Yankee	50-309
Millstone 1	50-245
Rancho Seco	50-312
San Onofre, Unit 1	50-206
Yankee Rowe	50-029
Zion 1	50-295
Zion 2	50-304
Crystal River 3	50-302
Kewaunee	50-305
San Onofre, Unit 2	50-361
San Onofre, Unit 3	50-362
Vermont Yankee	50-271
Ft.Calhoun	50-285

Total No. of Reactors in decommissioning or possession only status with fuel onsite: 19

Part 72 Licensees without a Part 50 License

Ft. St. Vrain	72-009
GE Morris	72-001
Foster Wheeler Environmental Corp.	72-025
Trojan	72-017

Total Part 72 licenses: 4

The annual fee is determined by dividing the total budgeted costs of approximately $23.7 million (including the fee-relief activities) by the total number of licensees (122). This results in an annual fee (rounded) of $194,000 per license.

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Part 171 Annual Fees

Research and Test Reactors

Section III.B.2.e

Table XV

Approximately $334,000 in budgeted costs is to be recovered through annual fees assessed to the research and test reactor class of licenses for FY 2017. This required annual fee recovery amount is divided equally among the four research and test reactors subject to annual fees, and results in a FY 2017 annual fee of $83,500 for each licensee.

FY 2017 MISSION DIRECT BUDGETED RESOURCES				
			TEST AND RESEARCH REACTORS ALLOCATIONS	
	TOTAL			
	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	128,087.0	2,042.0	308.1	4.9
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	33,088.0	545.0	0.3	0.0
CORPORATE	202,725.0	717.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,358.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	365,258.0	3,362.0	308.4	4.9

Figures below in $, M (unless otherwise indicated)		
(1) FY 2017 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)		2.268
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS		1.950
(3) PART 171 ALLOCATIONS (equals 1 - 2)		0.318
(4) GENERIC TRANSPORTATION RESOURCES (allocated)		0.034
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)		0.353
(6) FY 2017 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)		2.303
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)		0.28%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge		-0.0168
(9) Fee-Relief Adjustment and LLW Surcharge per licensee		-0.0042
(10) Part 171 billing adjustments		-0.002
(11) Adjustment for DOE Transportation PY billing adjustment		0.0
(12) TOTAL FY 2017 ANNUAL FEE (equals 5+8+10+11)		0.334
(13) Number of Licensees		4
(14) Fee Per License (equals 12/13)		0.0835
unrounded annual fee amount per license, actual $		83,540
rounded annual fee, actual $		83,500
FTE RATE (average based on budget data, actual $):	399,987	

Mission Direct Budgeted Resources for
Test and Research Reactors Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE */ PRODUCTS:*						
Oversight						
Allegations & Investigations	0	0.0	0	0.0	0	0.0
Construction Inspection	0	0.0	0	0.0	0	0.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	0	0.0	0	0.0	0	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Part 50	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Vendor Inspection	0	0.0	0	0.0	0	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Licensing						
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Generic Issues Program	0	0.0	0	0.0	0	0.0
Japan Lessons Learned	0	0.0	0	0.0	0	0.0
License Renewal	0	0.0	0	0.0	0	0.0
Licensing Actions	0	0.0	0	0.0	0	0.0
Licensing Support	0	0.0	0	0.0	0	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Operator Licensing	0	0.0	0	0.0	0	0.0
Research & Test Reactors	272	4.6	1,480	5.4	(1,208)	(0.8)
Security	0	0	0	0.0	0	0.0
Oversight						
Allegations & Investigations	0	0.0	0	0.0	0	0.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	0	0.0	0	0.0	(0)	0.0
Event Evaluation	0	0.0	0	0.0	0	0.0
Inspection	0	0.0	0	0.0	0	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Research & Test Reactor Insp.	0	0.3	0	0.5	0	(0.2)
Rulemaking						
Rulemaking (PL)	34	0.0	26	0.1	7	(0.1)
Training						
Mission Training	3	0.0	0	0.0	3	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	308	4.9	1,507	6.0	(1,199)	(1.1)
Grand Total Nuclear Reactor Safety	308	4.9	1,507	6.0	(1,199)	(1.1)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Oversight						
Inspection	0	0.0	0	0.0	(0)	0.0
Training						0.0
Mission Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	0	0.0	0	0.0	0	0.0
TOTAL TEST & RESEARCH REACTORS	308.4	4.9	1,507	6.0	(1,199)	(1.1)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$2,268		$3,799		($1,531)	

TEST AND RESEARCH REACTOR ANNUAL FEE

FY 2017 FEE RULE

DETERMINATION OF THE FY 2017 ANNUAL FEE:

TEST AND RESEARCH REACTORS SUBJECT TO ANNUAL FEES (See note)

	License No.	Docket No.
1. Dow Chemical - TRIGA MARK I	R-108	50-264
2. AEROTEST	R-98	50-228
3. GE, NTR	R-33	50-73
4. NIST	TR-5	50-184

DETERMINATION OF ANNUAL FEE

BUDGETED COSTS	$334,062
ANNUAL FEE PER LICENSE (rounded) (Budgeted costs divided by number of test and research reactor licensees subject to annual fee)	$83,500

NOTE: Does not include License R-38 (TRIGA MARK I), Docket No. 50-89, issued to General Atomics. License R-38 was amended in 1997 to authorize possession only.

12/14/2016

Part 171 Annual Fees

Rare Earth Facilities

Section III.B.2.f

During FY 2016 NRC did receive an application under the Rare Earth fee class 2.A. (2)(f). However, no FY 2017 budgetary resources were allocated to this fee class, and did not require an annual fee to be established.

NRC revised the fee category for this fee class from 2.A.(2)(c) to 2.A.(2)(f) in FY 2009.

FY 2017 MISSION DIRECT BUDGETED RESOURCES				
			RARE EARTH	
	TOTAL		ALLOCATIONS	
	CONTRACT		CONTRACT	
	$,K	FTE	$,K	FTE
NUCLEAR REACTOR SAFETY	128,087.0	2,042.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	33,088.0	545.0	0.0	0.0
CORPORATE	202,725.0	717.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,358.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	365,258.0	3,362.0	0.0	0.0

Figures below in $, M (unless otherwise indicated)		
(1) FY 2017 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)		0.00000
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS		0.000
(3) PART 171 ALLOCATIONS (equals 1 - 2)		0.00
(4) GENERIC TRANSPORTATION RESOURCES (allocated)		
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)		0.00
(6) FY 2017 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)		0.00
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)		0.00%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge		0.000
(9) Fee-Relief Adjustment and LLW Surcharge per licensee		
(10) Part 171 billing adjustments		0.000
(11) Adjustment for DOE Transportation PY billing adjustment		0.0000
(12) TOTAL FY 2017 ANNUAL FEE (equals 5+8+10+11)		0.0000
(13) Number of Licensees		different for different categories of licenses; see other worksheets
(14) Fee Per License (equals 12/13)		
unrounded annual fee amount per license, actual $		
rounded annual fee, actual $		
FTE RATE (average based on budget data, actual $): 399,987		

Mission Direct Budgeted Resources for Rare Earth Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
***PRODUCT LINE**/ PRODUCTS:*						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Reactor Safety	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Licensing						
Decommissioning Licensing Actions	0	0.0	0	0.0	0	0.0
Uranium Recovery Envir. Reviews	0	0.0	0	1.2	0	(1.2)
Uranium Recovery Lic. Actions	0	0.0	0	0.0	0	0.0
Oversight						
Inspection	0	0.0	0	0.0	0	0.0
Mission Training						
Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	1.2	0	(1.2)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	0	0.0	0	1.2	0	(1.2)
TOTAL RARE EARTH	0	0.0	0	1.2	0	(1.2)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$0		$458.5		($459)	

Part 171 Annual Fees

Materials Users

Section III.B.2.g

Table XVI

The following fee categories under §171.16 are included in this fee class: 1.C., 1.D., 1.F., 2.B., 2.F., 3.A. through 3.S., 4.A. through 4.C., 5.A., 5.B., 6.A., 7.A. through 7.C., 8.A., 9.A. through 9.D., 16, and 17. The annual fee for these categories of materials users licenses is developed as follows:

> Annual fee = Constant x [Application Fee + (Average Inspection Cost divided by Inspection Priority)] + Inspection Multiplier x (Average Inspection Cost divided by Inspection Priority) + Unique Category Costs.

To equitably and fairly allocate the $35.5 million in FY 2017 budgeted costs to be recovered in annual fees assessed to the approximately 2,700 diverse materials users licensees, the NRC will continue to base the annual fees for each fee category within this class on the part 170 application fees and estimated inspection costs for each fee category. Because the application fees and inspection costs are indicative of the complexity of the license, this approach continues to provide a proxy for allocating the generic and other regulatory costs to the diverse categories of licenses based on NRC's cost to regulate each category. This fee calculation also continues to consider the inspection frequency (priority), which is indicative of the safety risk and resulting regulatory costs associated with the categories of licenses.

FY 2017 MISSION DIRECT BUDGETED RESOURCES				
			MATERIALS	
	TOTAL		ALLOCATIONS	
	CONTRACT		CONTRACT	
	$,K	FTE	$,K	FTE
NUCLEAR REACTOR SAFETY	128,087.0	2,042.0	4.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	33,088.0	545.0	914.9	83.9
CORPORATE	202,725.0	717.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,358.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	365,258.0	3,362.0	918.9	83.9

Figures below in $, M (unless otherwise indicated)		
(1) FY 2017 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)		34.5
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS		0.9
(3) PART 171 ALLOCATIONS (equals 1 - 2)		33.6
(4) GENERIC TRANSPORTATION RESOURCES (allocated)		1.7
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)		35.3
(6) FY 2017 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)		36.1
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)		3.45%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge		0.3
(9) Fee-Relief Adjustment and LLW Surcharge per licensee		
(10) Part 171 billing adjustments		-0.02
(11) Adjustment for DOE Transportation PY billing adjustment		0.0
(12) TOTAL FY 2017 ANNUAL FEE (equals 5+8+10+11)		35.51
(13) Number of Licensees		different for different categories of licenses; see other worksheets
(14) Fee Per License (equals 12/13)		
unrounded annual fee amount per license, actual $		
rounded annual fee, actual $		
FTE RATE (average based on budget data, actual $): 399,987		

Mission Direct Budgeted Resources for Materials Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE / PRODUCTS:						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Training						
Mission Training	4	0.0	5	0.0	(1)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	4	0.0	5	0.0	(1)	0.0
Grand Total Nuclear Reactor Safety	4	0.0	5	0.0	(1)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Training						
Mission Training	27	0.0	19	0.0	8	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	27	0.0	19	0.0	8	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Event Response						
Response Operations	0	0.3	0	0.3	0	0.0
Response Programs	0	0.3	0	0.3	0	0.0
International Activities					0	0.0
International Cooperation	0	3.6	0	5.5	0	(1.9)
Licensing						
Licensing Actions	43	27.1	64	28.2	(21)	(1.1)
Licensing Support	45	0.0				
Mission IT	45	0.1	66	0.1	(21)	0.0
NSPDP Training	0	2.0	0	0.0	0	2.0
Security	0	0.0	0	1.0	0	(1.0)
Oversight						
Allegations & Investigations	0	11.2	0	10.1	0	1.1
Enforcement	41	11.3	43	11.4	(1)	(0.1)
Event Evaluation	193	3.3	4	3.1	189	0.2
Inspection	1	21.2	4	21.8	(3)	(0.6)
Mission IT	0	0.0	131	0.1	(131)	(0.1)
Security	0	0.0	0	0.0	(0)	0.0
Research						
Materials Research	0	0.0	59	0.3	(59)	(0.3)
Rulemaking						
Rulemaking	0	1.7	1	0.5	(1)	1.2
Rulemaking Support	0	0.8	0	0.3	0	0.5
State Tribal and Federal Programs						
Agreement States	0	0.0	0	0.0	0	0.0
Liaison	0	0.1	0	0.1	0	0.0
Travel	0	0.0	0	0.0	0	0.0
Training						
Mission Training	293	0.7	154	0.3	139	0.4
NSPDP Training	0	0.0	0	2.0	0	(2.0)
Total Direct Resources	661	83.7	527	85.4	134	(1.7)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Licensing						
Decommissioning Licensing Actions	0	0.0	0	0.0	0	0.0
Uranium Recovery Lic. Actions	0	0.0	0	0.0	0	0.0
Mission Training						
Training	24	0.0	30	0.0	(6)	0.0
Total Direct Resources	24	0.0	30	0.0	(6)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
Licensing						
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Environmental Reviews	0	0.0	0	0.0	0	0.0
Licensing Support	0	0.0	0	0.0	0	0.0

Mission Direct Budgeted Resources for Materials Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
Mission IT	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Storage Licensing	0	0.0	0	0.0	0	0.0
Transportation Certification	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	712	83.7	576	85.4	136	(1.7)
TOTAL MATERIAL USERS	716	83.7	581	85.4	135	(1.7)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$34,195		$33,209		$986	

12/14/2016

FY 2017 Materials Users Annual Fees

REBASELINE

License Fee Category	NUMBER OF LICENSES FY 2017: Billed at FY 2016 Fee	Billed at FY 2017 Fee	Less Agreement State Transfer Adjustment	(1) Total For FY 2017	(2) Part 170 Fees(5) Appl.	(3) Part 170 Fees(5) Insp.	(4) Insp. Prior.	(5) Calc. of General Multiple	(6) Calc. of Insp. Multiple	(7) Part 171 Base Fee Per License ($) General	(8) Unique	(9) Inspection	(10) Total Base Fee per license	(11) Adjustment per License LLW Surcharge	(12) Adjustment per License Fee-Relief	(13) Total Exact Annual Fee per license	(14) Total Collections Base Fee ($,K)	(15) Total Collections TOTAL ($,K)	Number of Real Sm Entity	Number of Real Sm Entity	Small Entity Subsidy	FY 2017 Annual Fee (Rounded)
								(No. of licenses x (Appl fee + insp fee/insp priority)	(No. of licenses x insp fee/insp priority)	Annual fee multiplier*(App fee + insp fee/insp priority) See below for calculation of annual fee multiplier	See below for Calculation of Unique	Inspection multiplier*(insp fee/insp priority) See below for calculation of insp. multiplier	(General+unique+Inspection)	(Total Materials LLW Surcharge/ no. of affected licenses)	multiplier x (appl fee+insp fee/insp priority)See below for calculation of fee-relief multi.)	(Total Base Fee+ LLW Surcharge + Fee-Relief)	Total Base Fee + LLW Surcharge + Fee-Relief)				Diff between annual fee and small entity fee x no. of small entities	
																						4100 / 850	
SPECIAL NUCLEAR MATERIAL:																							
1C. Industrial Gauges	0	5	0	5.0	1,200	2,100	5	6100	2100	2391		691	3,083		-19	3,064	15	15	0	0	-	3,100
1D. Other SNM less critical quantity	0	43	0	43.0	2,500	6,300	5	161680	54180	5550		2074	7,625	1214	-44	8,795	328	378	6	1	36,150	8,800
1F. Other SNM greater than critical quantity	0	1	0	1.0	2,500	1,600	3	3033	533	4478		878	5,356	1214	-35	6,535	5	7	0	0	-	6,500
SOURCE MATERIAL:																						
2B. Shielding	0	10	0	10.0	1,170	2,700	5	17100	5400	2524		889	3,413		-20	3,393	34	34	1	0	-	3,400
2C. Exempt Distribution/SM	0	18	0	18.0	2,200	3,800	5	53280	13680	4369		1251	5,621		-34	5,586	101	101	4	1	10,750	5,600
2D. Distribution to General License/SM	0	1	0	1.0	2,600	4,200	5	3440	840	5078		1383	6,461		-40	6,421	6	6	0	0	-	6,400
2E. Manufacturing Distribution	0	1	0	1.0	2,500	4,200	3	3900	1400	5757		2305	8,062		-45	8,016	8	8	1	0	3,900	8,000
2F. Other Source Materials	0	39	0	39.0	2,500	7,400	5	155220	57720	5875		2437	8,312	1214	-46	9,480	324	370	4	2	38,900	9,500
BYPRODUCT MATERIAL:																						
3A. Manufacturing - Broad	0	3	0	3.0	12,500	18,100	5	48360	10860	23795		5960	29,755	1214	-188	30,782	89	92	0	0	-	30,800
3B. Manufacturing - Other	0	32	0	32.0	3,400	8,900	5	165760	56960	7646		2930	10,577	1214	-60	11,731	338	375	7	8	140,000	11,700
3C. Radiopharmaceuticals - Manuf./Process	0	37	0	37.0	5,000	7,300	5	239020	54020	9536		2404	11,939	1214	-75	13,079	442	484	12	1	120,250	13,100
3D. Radiopharmaceuticals - No Manuf./Process	0	0	0	0.0	0	0	3	0	0	0		0	0		0	0	0	0	0	0	-	0
3E. Irradiators - Self-Shield	0	59	0	59.0	3,100	10,300	5	304440	121540	7617		3391	11,008		-60	10,948	649	646	0	0	-	10,900
3F. Irradiators - < 10,000 Ci	0	4	0	4.0	6,200	4,200	5	28160	3360	10392		1383	11,775		-82	11,693	47	47	0	0	-	11,700
3G. Irradiators - > 10,000 Ci	0	7	0	7.0	59,500	5,600	2	436100	19600	91963		4610	96,573		-726	95,847	676	671	0	1	94,950	95,800
3H. Exempt Distribution - Device Review	0	33	0	33.0	6,400	3,900	5	236940	25740	10599		1284	11,883		-84	11,799	392	389	7	6	119,600	11,800
3I. Exempt Distribution - No Device Review	0	69	0	69.0	9,500	3,800	5	707940	52440	15145		1251	16,396		-120	16,277	1131	1123	11	10	288,700	16,300
3J. Gen. License - Device Review	0	6	0	6.0	1,900	2,800	5	14760	3360	3631		922	4,553		-29	4,525	27	27	1	0	400	4,500
3K. Gen. License - No Device Review	3	3	0	6.0	1,100	2,800	5	9960	3360	2450		922	3,372		-19	3,353	20	20	0	2	5,100	3,400
3L. R&D - Broad	0	41	0	41.0	5,300	9,700	4	316725	99425	11403		3992	15,396	1214	-90	16,520	631	677	0	0	-	16,500
3L(a). R&D - Broad(6-20 sites)	0	1	0	1.0	5,300	9,700	1.75	10843	5543	16005		9125	25,131	1214	-126	26,219	25	26	0	0	-	26,200
3L(b). R&D - Broad(21 or more sites)	0	1	0	1.0	5,300	9,700	1.25	13060	7760	19278		12776	32,054	1214	-152	33,116	32	33	0	0	-	33,100
3M. R&D - Other	0	85	0	85.0	6,800	6,000	5	680000	102000	11809		1976	13,785	1214	-93	14,906	1172	1267	13	9	266,850	14,900
3N. Service License	0	61	0	61.0	7,000	10,400	3	638467	211467	15450		5707	21,158	1214	-122	22,250	1291	1357	16	9	481,750	22,300
3O. Radiography	0	74	0	74.0	3,000	7,300	1	762200	540200	15204		12018	27,222		-120	27,102	2014	2006	26	7	781,750	27,100
3P. All Other Byproduct Materials	0	992	0	992.0	3,300	7,100	5	4682240	1408640	6967		2338	9,305		-55	9,250	9231	9176	227	103	2,050,750	9,300
3R1. Radium-226 (less than or equal to 10x limits in 31.12)	0	0	0	0.0	2,500	6,500	5	0	0	5609		2140	7,750		-44	7,705	0	0	0	0	-	7,700
3R2. Radium-226 (more than 10x limits in 31.12)	0	1	0	1.0	2,400	4,300	3	3833	1433	5659		2360	8,018		-45	7,974	8	8	0	0	-	8,000
3S. Accelerator Produced Radionuclides	0	18	0	18.0	13,600	7,900	2	315900	71100	25906		6503	32,409		-204	32,205	583	580	2	1	87,550	32,200
WASTE DISPOSAL AND PROCESSING:																						
4A. Waste Disposal*	0	0	0	0.0			2		0	0		0	0	1214	0	1,214	0	0	0	0	-	
4B. Waste Receipt/Packaging	0	14	0	14.0	6,600	6,500	2	137900	45500	14540		5351	19,891	1214	-115	20,990	278	294	4	0	67,600	21,000
4C. Waste Receipt - Prepackaged	0	1	0	1.0	4,800	3,800	2	6700	1900	9890		3128	13,018	1214	-78	14,155	13	14	1	0	10,100	14,200
WELL LOGGING:																						
5A. Well Logging	0	25	0	25.0	4,400	9,300	3	187500	77500	11071		5104	16,175		-87	16,087	404	402	4	2	78,500	16,100
5B. Field Flooding Tracers Studies*	0	0	0	0.0			3	0	0	0		0	0	1214	0	1,214	0	0	0	0	-	
NUCLEAR LAUNDRY:																						
6A. Nuclear Laundry	0	0	0	0.0			3	0	0	0		0	0	1214	0	1,214	0	0	0	0	-	
HUMAN USE OF BYPRODUCT, SOURCE, OR SNM:																						
7A. Teletherapy	0	12	0	12.0	10,700	7,700	3	169200	30800	19583	278	4226	24,087		-155	23,933	289	287	1	0	19,800	23,900
7B. Medical - Broad	0	21	0	21.0	8,300	13,000	2	310800	136500	21847	278	10701	32,826	1214	-172	33,869	689	711	0	0	-	33,900
7C. Medical Other	0	609	0	609.0	5,300	6,500	3	6040533	1752833	11022	278	3567	14,867		-87	14,780	12028	11957	167	50	2,484,400	14,800
CIVIL DEFENSE:																						
8A. Civil Defense	0	9	0	9.0	2,500	6,500	5	34200	11700	5609		2140	7,750		-44	7,705	70	69	1	0	3,600	7,700
DEVICE, PRODUCT, OR SEALED SOURCE SAFETY EVALUATION:																						
9A. Device/Product Safety Evaluation - Broad	0	73	0	73.0	5,200		5	379600	0	7676		0	7,676		-61	7,615	560	556	18	13	150,750	7,600
9B. Device/Product Safety Evaluation - Other	0	5	0	5.0	8,500		5	43000	0	12695		0	12,695		-100	12,595	63	63	0	0	-	12,600
9C. Sealed Sources Safety Evaluation - Broad	0	26	0	26.0	5,100		5	132600	0	7528		0	7,528		-59	7,469	196	194	9	9	90,450	7,500
9D. Sealed Sources Safety Evaluation - Other	0	10	0	10.0	1,010		5	10100	0	1491		0	1,491		-12	1,479	15	15	0	0	-	1,500
OTHER LICENSES:																						
17. Master Material License	0	3	0	3.0	111,100	106,400	2	492900	159600	242529	12531	87586	342,646	1214	-1914	341946	1028	1026	0	0		342,000
TOTAL	3.0	2653.0	0.0	2656.0				17955495	5150995				948640				35257	35513	543	235	7,432,550	Mat
																			1	0	7,100	Uranium recovery
																	Total Small Entity Subsidy		544	235	7,439,650	
FTE RATE:	$399,987															Total			779			
																% of total Materials Users licensees			29.33%			

FY 2017 Materials Users Annual Fees

REBASELINE

Calculation of UNIQUE (generic activities related to specific fee categories):				UNIQUE ACTIVITES IDENTIFIED FOR FY 2017							
Total budgeted resources (FY 2017 unique activities=Part 35 implementation)		4.8	FTE	$0.00	(CONTRACT COSTS)						
Total cost (FTExFTE rate + any contract costs)		$1,919,935									
Percent of NRC materials licenses to the total materials licenses		14%									
Amount allocated to NRC materials licensees (% x total cost)		$272,070									
No. of affected NRC licenses (for FY 2017, Cats. 7A, 7B, & 7C, + those medical under Master Mat'ls Licenses)		977.0									
Unique per license:		$278									
Total Part 171 (annual fee) amount, excluding fee-relief costs):		$35,257,054									
		FTE		FTE Rate				PSS		Total	
Inspection Amount (budgeted costs for materials inspections):		21.2	x	$399,987	=	$8,479,714	+	$600	=	$8,480,314	
LLW Surcharge Amount (see FEE-RELIFE ACTIVITIES Sheet for further details):											
Total LLW surcharge to be recovered:	$3,298,899										
Percentage to be recovered from materials licensees:	14.1%										
Amount to be recovered from materials licensees:	$465,145										
No. of affected licenses:	383.0										
LLW Surcharge per license:	$1,214										
Other Fee-Relief Amount (see FEE-RELIEF ACTIVITIES Sheet for further details):											
Total other fee-relief to be recovered:	-$6,098,165										
Percentage to be recovered from materials licensees:	3.5%										
Amount to be recovered from materials licensees:	-$210,717										

	$K		$K		$K		$K
TOTAL GENERAL = TOTAL Part 171 amount less INSPECTION less UNIQUE:	35,257	-	8,480	*	272	=	26,505
ANNUAL FEE MULTIPLIER = TOTAL GENERAL /Total of Calc of Gen. Multiple col.:	26,505	/	17,955			=	1.48
INSPECTION MULTIPLIER=INSPECTION AMOUNT/Total Calc of Insp. Multiple col.:	$8,480,314	/	5,151			=	1.65
FEE-RELIEF MULTIPLIER=Fee-Relief amount to be adjusted for materials licensees/total of Calc of Gen. Multiple col.):	-$210,717	/	17,955			=	-0.0117

COL (5) = COL (1) * [COL (2) + COL (3)/COL (4)]

COL (6) = COL(1) * (COL (3)/COL (4))

COL (7) = GENERAL MULTIPLIER * [COL(2) + COL (3)/COL (4)]

COL (8) = (UNIQUE COSTS) / (NO. OF APPLICABLE LICENSES)

COL (9) = INSPECTION MULTIPLIER*(COL3/COL4)

COL (10) = COL (7) + COL(8)+COL(9)

COL (11) = LLW SURCHARGE =% Allocated * LLW Costs/# affected licenses

COL (12)=FEE-RELIEF MULTIPLIER*(COL(2)+(COL(3)/COL(4))

COL (13) = COL (10) + COL(11)+COL(12)

COL (14) = [COL (1) * COL (10)] /1000

COL (15) = [COL (1) * COL (13)] /1000

ANNUAL FEE CALCULATION FOR AGREEMENT STATE USE ONLY

License Fee Category	Part 170 Fees($) Appl.	Insp.	Insp. Prior.	Calc. of General Multiple	Calc. of Insp. Multiple	Part 171 Base Fee Per License ($) General	Inspection	Total Base Fee per license	Adjustment per License LLW Surcharge	Fee-Relief	Total	Total Exact Annual Fee per license	FY 2017 Annual Fee (Rounded)
				(No. of licenses x (Appl fee + insp fee/insp priority)	(No. of licenses x insp fee/insp priority)	Annual fee multiplier*(Appl fee + insp fee/insp priority) annual fee multiplier of 1.48	Inspection multiplier*(insp fee/insp priority)insp. multiplier of 1.65	(General+ Inspection)	(Total Materials LLW Surcharge/ no. of affected licenses)	(Fee-Relief multiplier x (appl fee+insp fee/insp priority)See below for calculation of fee-relief multi.)		(Total Base Fee+ LLW Surcharge + Fee-Relief)	
NUCLEAR LAUNDRY:													
6A. Nuclear Laundry	21,300	5,800	3	0	0	34,385	3190	37,575	1214	-273	38516	38,516	**38,500**

Part 171 Annual Fees

Transportation

Section III.B.2.h

Table XVII
Table XVIII

Consistent with the policy established in the NRC's FY 2006 final fee rule, the NRC will recover generic transportation costs unrelated to DOE as part of existing annual fees for license fee classes. NRC will continue to assess a separate annual fee under §171.16, fee category 18.A., for DOE transportation activities.

The resources associated with generic transportation activities are distributed to the license fee classes based on the number of Certificates of Compliance (CoCs) benefiting (used by) that fee class, as a proxy for the generic transportation resources expended for each fee class. The amount of the generic resources allocated is calculated by multiplying the percentage of total CoCs used by each fee class (and DOE) by the total generic transportation resources to be recovered.

FY 2017 MISSION DIRECT BUDGETED RESOURCES				
			TRANSPORTATION	
	TOTAL		ALLOCATIONS	
	CONTRACT		CONTRACT	
	$,K	FTE	$,K	FTE
NUCLEAR REACTOR SAFETY	128,087.0	2,042.0	2.0	0.1
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	33,088.0	545.0	1,182.2	19.8
CORPORATE	202,725.0	717.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,358.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	365,258.0	3,362.0	1,184.2	19.9

Figures below in $, M (unless otherwise indicated)	
(1) FY 2017 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)	9.1
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS	3.2
(3) PART 171 ALLOCATIONS (equals 1 - 2)	5.9
(4) GENERIC TRANSPORTATION RESOURCES (allocated)	-4.5
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)	1.5
(6) FY 2017 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)	4.7
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)	0.56%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge	-0.03
(9) Fee-Relief Adjustment and LLW Surcharge per licensee	
(10) Part 171 billing adjustments	0.00
(11) Adjustment for DOE Transportation PY billing adjustment	0.000
(12) TOTAL FY 2017 ANNUAL FEE (equals 5+8+10+11)	1.42
(13) Number of Licensees	1
(14) Fee Per License (equals 12/13)	1.423280
	(DOE's fee)
unrounded annual fee amount per license, actual $	1,423,280
rounded annual fee, actual $	1,423,000

FTE RATE (average based on budget data, actual $):	399,987

Mission Direct Budgeted Resources for Transportation Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE / PRODUCTS:						
Oversight						
Enforcement	0	0.0	0	0.0	0	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Oversight						
Allegations & Investigations	0	0.0	0	0.0	0	0.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	1	0.1	0	0.0	1	0.1
Event Evaluation	0	0.0	0	0.0	0	0.0
Inspection	0	0.0	0	0.0	0	0.0
Mission IT	1	0.0	0	0.0	1	0.0
Research & Test Reactor Insp.	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Total Direct Resources	2	0.1	0	0.0	2	0.1
Grand Total Nuclear Reactor Safety	2	0.1	0	0.0	2	0.1
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Training						
Mission Training	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Oversight						
Allegations & Investigations	0	0.0	0	0.0	0	0.0
Enforcement	1	0.0	1	0.1	0	(0.1)
Event Evaluation	0	0.0	0	0.0	0	0.0
Inspection	0	0.0	0	0.0	0	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking	0	0.0	0	0.0	0	0.0
State Tribal and Federal Programs						
Agreement States	0	0.0	0	0.0	0	0.0
Liaison	0	0.5	40	0.5	(40)	0.0
Training						
Mission Training	33	0.2	30	0.2	3	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	34	0.7	71	0.8	(37)	(0.1)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Mission Training						
Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0

Mission Direct Budgeted Resources for Transportation Fee Class

	FY17		FY16		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
International						
International Cooperation	90	0.5	105	0.5	105	0.5
Licensing						
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Environmental Reviews	0	0.0	0	0.0	0	0.0
Fukushima NTTF	0	0.0	0	0.0	0	0.0
Licensing Support	0	4.0	0	4.0	0	0.0
Mission IT	225	0.4	131	0.4	94	0.0
Security	0	0.0	0	0.0	0	0.0
Storage Licensing	0	0.0	0	0.0	0	0.0
Transportation Certification	682	10.7	700	12.0	(18)	(1.3)
Oversight						
Inspection	0	1.5	0	3.0	0	(1.5)
Rulemaking						
Rulemaking (PL)	71	2.0	39	5.9	32	(3.9)
Security	0	0.0	0	0.0	0	0.0
Training						
Mission Training	80	0.0	70	0.0	10	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Travel						
Mission Travel	0	0.0	0	0.0	0	0.0
Total Direct Resources	1,148	19.1	1,045	25.8	103	(6.7)
Grand Total Nuclear Materials & Waste Safety	1,182	19.8	1,116	26.6	66	(6.8)
TOTAL TRANSPORTATION	1,184	19.9	1,116	26.6	68	(6.7)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$9,144		$11,279		($2,135)	

TRANSPORTATION ANNUAL FEES

FY 2017

The total transportation budgeted costs of $5,943,932 to be recovered from annual fees (not including fee-relief adjustments) is to be obtained from two sources:

1. Department of Energy (DOE)--has own annual fee (fee category 18A)
2. Other licensees (included in their annual fees)

Distribute these costs to DOE and the fee classes based on the percentage of CoCs benefitting (used) per fee class:

Fee Class	# CoCs	% CoCs	Transportation Resources to be included in annual fees	Resources in Millions
DOE	22.00	24.6%	$1,460,815	$1.46
Operating Reactors	5.00	5.6%	$332,003	$0.33
Spent fuel/reactor decom	13.00	14.5%	$863,209	$0.86
T&R reactors	0.52	0.6%	$34,271	$0.03
Fuel Facilities	24.00	26.8%	$1,593,616	$1.59
Materials Users	25.00	27.9%	$1,660,017	$1.66
Total	89.52	100.0%	$5,943,932	$5.94

Regulatory Flexibility Analysis

Section V.

The Regulatory Flexibility Act (RFA), as amended 5 U.S.C. § 601 *et seq.*, requires that agencies consider the impact of their rulemakings on small entities and, consistent with applicable statutes, consider alternatives to minimize these impacts on the businesses, organizations, and government jurisdictions to which they apply.

Additionally, the Small Business Regulatory Enforcement Fairness Act (SBREFA) requires all Federal agencies to prepare a written compliance guide for each rule for which the agency is required to prepare a regulatory flexibility analysis. Therefore, in compliance with the law, the NRC has made publicly available via ADAMS the "FY 2017 Small Entity Compliance Guide".

Licensees may use this guide to determine whether they qualify as a small entity under NRC regulations and are eligible to pay reduced FY 2017 annual fees assessed under 10 CFR part 171. The NRC has established two tiers of annual fees for those materials licensees who qualify as small entities under the NRC's size standards.

Note: Using the FY 2009 calculation method Implemented to Determine Upper Tier Small Entity Fee Each Biennial Year To Be 39 % Of The Prior Two-year Weighted Average Of Small Materials Users Fees.

	1D	2B	2C	2E	2F	3A	3B	3C	3E	3G	3H	3I	3J	3K	3M
2013 small entities	6	0	9	5	5	0	7	18	1	0	9	15	0	1	15
2014 small entities	6	0	4	0	0	0	10	18	0	1	9	12	1	0	13
2014 Total # of Licensees	44	28	30	47	47	4	40	40	65	6	37	82	9	4	97
	13.64%	0.00%	13.33%	0.00%	0.00%	0.00%	25.00%	45.00%	0.00%	16.67%	24.32%	14.63%	11.11%	0.00%	13.40%
2013 Fee	$6,800	$3,000	$11,500	$7,200	$8,000	$50,900	$12,700	$18,800	$8,700	$118,800	$9,900	$19,200	$4,800	$3,800	$9,300
2014 Fee	$7,400	$3,300	$12,500	$7,800	$8,600	$55,100	$13,800	$20,200	$9,500	$127,900	$10,700	$20,800	$5,100	$4,100	$10,000

Implementing this method in FY 2015 would have resulted in a 43 percent increase from the previous year which would have a disproportionate impact upon small NRC licensees. Therefore, the NRC revised the increase to 21 percent for the upper-tier fee. The 21 percent increase was applied based on historical trends in the small entity fee and has been used in previous biennial reviews.

	Prior Year	21% ceiling	Increase	Rounded Fee
Top	$ 2,800	21%	$588	$3,400
Lower	$ 600	21%	126	$700

3N	3O	3P	3S	4B	4C	5A	7A	7C	9A	9C	Total	Weighted Average	2-year Weighted Average	39% of 2-year weighted average	Rounded	Prior Year	
15	36	255	0	0	1	7	1	226	20	7	659						
18	33	264	1	3	1	8	1	224	20	5	652						
71	81	1120	18	13	1	31	11	874	66	23	2889						
25.35%	40.74%	23.57%	5.56%	23.08%	100.00%	25.81%	9.09%	25.63%	30.30%	21.74%	22.57%						
$16,700	$27,200	$6,400	$30,500	$19,600	$15,600	$12,600	$21,600	$9,000	$8,000	$7,900		$9,732					
$18,000	$29,800	$6,800	$33,000	$21,100	$16,700	$13,600	$23,800	$9,900	$8,600	$8,400		$10,713	$10,223	$3,987	$4,000	2800	43%
														$854	$900	600	50%

Budget Authority (FY 2017)

Budget Authority (FY 2017)

FY 2017 Budget Summary by Program

This report is provided as supplemental information. It provides a summary of the FY 2017 budgeted FTE and contract dollars allocated to each fee class and fee-relief/surcharge activities at the Program level. The Programs include: 1) Nuclear Reactor Safety, 2) Nuclear Materials & Waste Safety, 3) Corporate Support, and 4) Inspector General.

The table below delineates where the *major* portion of a Business Line's direct budgetary resources are allocated when calculating 10 CFR Part 171 fees for a license fee class. The indirect portion of a Business Line (e.g. Training, Travel, Mission Support and Supervisors), as well as Corporate Support budgetary resources, are distributed among all license fee classes.

CROSSWALK OF BUSINESS LINES' ALLOCATION TO FEE CLASSES*

Business Line	License Fee Class
Operating Reactors	Power Reactors, Test and Research Reactors, Import/Export
New Reactors	Power Reactors
Fuel Facilities	Fuel Facilities
Nuclear Materials Users	Materials Users, Import/Export
Spent Fuel Storage and Transportation	Spent Fuel Storage/Reactor Decommissioning, Transportation
Decommissioning and Low-level Waste	Spent Fuel Storage/Reactor Decommissioning, Uranium Recovery

**Delineates where the major portion of a Business Line's direct budgetary resources are allocated for a license fee class. Does not include fee-relief allocation. NRC does not have licensees under the Rare Earth fee class.*

More information about 10 CFR Part 170 and 10 CFR Part 171 can be found at NRC's public website: http://www.nrc.gov/about-nrc/regulatory/licensing/fees.html.

FY 2017 MISSION DIRECT BUDGETED RESOURCES	TOTAL		POWER REACTORS ALLOCATIONS		SPENT FUEL STORAGE/ REACTOR DECOMM. ALLOCATIONS		TEST AND RESEARCH REACTORS ALLOCATIONS		FUEL FACILITY ALLOCATIONS		MATERIALS ALLOCATIONS		TRANSPORTATION ALLOCATIONS		URANIUM RECOVERY ALLOCATIONS		RARE EARTH ALLOCATIONS	
	CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT	
	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE
NUCLEAR REACTOR SAFETY	128,087.0	2,042.0	95,040.0	1,531.0	2.0	0.1	308.1	4.9	0.0	0.0	4.0	0.0	2.0	0.1	0.0	0.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	33,088.0	545.0	2,451.0	8.2	3,618.0	67.8	0.3	0.0	1,860.0	81.7	914.9	83.9	1,182.2	19.8	2,688.0	30.2	0.0	0.0
CORPORATE	202,725.0	717.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,358.0	58.0																
SUBTOTAL - FEE BASE RESOURCE	365,258.0	3,362.0	97,491.0	1,539.2	3,620.0	67.9	308.4	4.9	1,860.0	81.7	918.9	83.9	1,184.2	19.9	2,688.0	30.2	0.0	0.0

FY 2017 MISSION DIRECT BUDGETED RESOURCES	IMPORT/EXPORT ALLOCATIONS		INCLUDED IN FEE-RELIEF ACTIVITIES		INCLUDED IN HOURLY & FTE RATE (overhead)		NONPROFIT ED. EXEMPTION		INTERNATIONAL ACTIVITIES		AGREEMENT STATE OVERSIGHT		AGREEMENT STATE REG SUPPORT		ISL RULE/ GEN LICENSEES/ FELLOWSHIPS		GENERIC DECOMMISS/ RECLAIMATION		MILITARY RADIUM 226		GENERIC LLW	
	CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT	
	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE
NUCLEAR REACTOR SAFETY	0.0	1.0	2,652.9	24.9	30,078.0	480.0	1,043.9	16.7	8.0	1.6	29.0	0.2	0.0	0.0	1,572.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	0.0	2.5	14,019.6	141.4	6,354.0	109.5	77.4	5.1	6,544.0	16.7	1,832.0	27.7	2,795.7	38.9	528.5	2.3	1,873.0	40.5	70.0	2.7	299.0	7.5
CORPORATE	0.0	0.0	562.0	6.0	202,163.0	711.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	562.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)					1,358.0	58.0																
SUBTOTAL - FEE BASE RESOURCE	0.0	3.5	17,234.5	172.3	239,953.0	1,358.5	1,121.3	21.8	6,552.0	18.3	1,861.0	27.9	2,795.7	38.9	2,662.5	14.7	1,873.0	40.5	70.0	2.7	299.0	7.5

Budget Authority (FY 2017)

FY 2017 Budget by Product Line

These reports are provided as supplemental information. They provide a summary of the FY 2017 budgeted FTE and contract dollars by Product Line and allocated by: 1) the Nuclear Reactor Safety Program and the Nuclear Materials & Waste Safety Program, 2) Corporate Support, 3) Inspector General, by each office with mission direct budgeted resources.

The offices include:

- Office of Inspector General
- Office of Research
- Office of Nuclear Reactor Regulations
- Office of New Reactors
- Regional Offices
- Office of Nuclear Material Safety and Safeguards
- Office of Nuclear Security and Incident Response
- Office of General Counsel
- Advisory Committee on Reactor Safeguards
- Office of International Programs
- Office of Enforcement
- Office of Investigations
- Atomic Safety and Licensing Board
- Office of the Chief Human Capital Officer
- Office of Administration

FY 2017 BUDGET RESOURCES FOR OFFICE OF INSPECTOR GENERAL

			Budget Resources Allocated to Fee Classes			
Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Inspector General	Inspector General (IG)	Inspector General (PL)	1,358	58	1,358	58
Grand Total			1,358	58	1,358	58

FY 2017 BUDGET RESOURCES FOR OFFICE OF RESEARCH

OFFICE	RES											
			Budget Resources Allocated to Fee Classes									
Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Spent Fuel Stor/Reactor Decomm. Contract ($,K)	Spent Fuel Stor/Reactor Decomm. FTE	Fee Relief Contract ($,K)	Fee Relief FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Corporate Support	Corporate Support	Information Mgmt.	48	0					0	0	48	0
Nuclear Materials and Waste Safety	Fuel Facilities	Research	0	0					0	0		
	Nuclear Materials Users	Research	0	1					0	1		
		Travel (PL)	20	0					0	0	20	0
		Rulemaking (PL)	0	0					0	0		
	Spent Fuel Storage and Transportation	Research	1303	3			1,303	3	0	0		
		Travel (PL)	0	0					0	0	0	0
	Decommissioning and LLW	Research	0	0					0	0		
Nuclear Reactor Safety	New Reactors	Research	3575	12	3,575	12			0	0		
		PL-M Support Staff	0	1					0	0	0	1
		Rulemaking (PL)	0	0					0	0		
	Operating Reactors	International Activities	0	3		3			0	0		
		Research	34444	124	34,444	124			0	0		
		Training	0	0					0	0		
		PL-M Support Staff	134	38					0	0	134	38
		Travel (PL)	888	0					0	0	888	0
		Rulemaking (PL)	250	12	250	12			0	0		
Grand Total			40662	194	38,269	151	1,303	3	0	1	1090	39

FY 2017 BUDGET RESOURCES FOR OFFICE OF NUCLEAR REACTOR REGULATIONS													
OFFICE	NRR												
			Budget Resources Allocated to Fee Classes										
Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Test & Research Reactors Contract ($,K)	Test & Research Reactors FTE	Fee Relief Contract ($,K)	Fee Relief FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Corporate Support	Corporate Support	Information Mgmt.	48	1					0.0	0	48	1
		Outreach	0	0					0.0	0	0	0
Nuclear Materials and Waste Safety	Fuel Facilities	Licensing	0	0					0.0	0		
	Nuclear Materials Users	International Activities	0	1					0.0	1		
		Rulemaking (PL)	0	0					0.0	0		
	Spent Fuel Storage and Transportation	Licensing	0	1		1			0.0	0		
	Decommissioning and LLW	Licensing	0	1		1			0.0	0		
Nuclear Reactor Safety	New Reactors	Licensing	0	7		7			0.0	0		
		Oversight	0	2		2			0.0	0		
		PL-M Support Staff	0	1					0.0	0	0	1
		Travel (PL)	40	0					0.0	0	40	0
		Rulemaking (PL)	0	1		1			0.0	0		
	Operating Reactors	International Activities	0	7		5.4			0.0	1.6		
		Licensing	15170	304	12,059	281	271.8	4.6	2,121.2	16.4	718	2
		Oversight	8969	421	8,969	417		0.3	0.0	3.7		
		Training	0	0					0.0	0		
		PL-M Support Staff	888	92					0.0	0	888	92
		Travel (PL)	2129	0					0.0	0	2129	0
		Rulemaking (PL)	655	25	150	25	33.7		471.3	0		
Grand Total			27899	864	21,178	740.4	305.5	4.9	2,592.5	22.7	3823	96

FY 2017 BUDGET RESOURCES FOR OFFICE OF NEW REACTORS										
OFFICE	NRO									
			Budget Resources Allocated to Fee Classes							
Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Fee Relief Contract ($,K)	Fee Relief FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Corporate Support	Corporate Support	Information Mgmt.	48	0			0	0	48	0
Nuclear Materials and Waste Safety	Nuclear Materials Users	International Activities	0	1			0	1		
Nuclear Reactor Safety	New Reactors	International Activities	60	3	60	3	0	0		
		Licensing	15042	172	15,042	172	0	0		
		Oversight	200	87	200	87	0	0		
		Training	0	0			0	0		
		PL-M Support Staff	366	66			0	0	366	66
		Travel (PL)	1425	0			0	0	1425	0
	New Reactors Total		17093	331	15,302	265	0	0	1791	66
	Operating Reactors	Licensing	1400	20	1,400	20	0	0		
		Oversight	0	2		2	0	0		
		PL-M Support Staff	0	1			0	0	0	1
		Travel (PL)	120	0			0	0	120	0
		Rulemaking (PL)	0	1		1	0	0		
Grand Total			18661	356	16,702	288	0	1	1959	67

FY 2017 BUDGET RESOURCES FOR REGIONAL OFFICES

				Budget Resources Allocated to Fee Classes							
Program	Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Fuel Facility FTE	Materials FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
REG1	Corporate Support	Corporate Support		4758	6					4758	6
	Corporate Support Total			4758	6					4758	6
	Nuclear Materials and Waste Safety	Nuclear Materials Users	Oversight	0	0						
			PL-M Support Staff	0	11					0	11
		Spent Fuel Storage and Transportation	PL-M Support Staff	0	3					0	3
			Travel (PL)	25	0					25	0
		Spent Fuel Storage and Transportation Total		25	3					25	3
			Travel (PL)	29	0					29	0
		Decommissioning and LLW Total		29	0					29	0
	Nuclear Reactor Safety	New Reactors	Travel (PL)	4	0					4	0
		New Reactors Total		4	0					4	0
			Training	215	0	215					0
			Travel (PL)	2256	0					2256	0
		Operating Reactors Total		2933	46	263	4			2670	42
	Nuclear Reactor Safety Total			2937	46	263	4			2674	42
REG1 Total				8146	66	263	4			7883	62
REG3	Corporate Support	Corporate Support		4701	5					4701	5
			Training	0	0						
			PL-M Support Staff	0	11					0	11
			Travel (PL)	332	0					332	0
		Nuclear Materials Users Total		332	12				1	332	11
		Spent Fuel Storage and Transportation	Travel (PL)	24	0					24	0
			Travel (PL)	34	0					34	0
		Decommissioning and LLW Total		34	2					34	2
	Nuclear Reactor Safety Total			390	14				1	390	13
	Nuclear Reactor Safety	New Reactors	Travel (PL)	11	0					11	0
		Operating Reactors	Event Response	40	0	40					
			Training	180	0	180					0
			PL-M Support Staff	336	41					336	41
	Nuclear Reactor Safety Total			2347	44	220	3			2127	41
REG4	Corporate Support	Corporate Support		4728	6					4728	6
	Corporate Support Total			4728	6					4728	6
	Nuclear Materials and Waste Safety	Fuel Facilities	Travel (PL)	10	0					10	0
		Fuel Facilities Total		10	0					10	0
		Nuclear Materials Users	Licensing	0	1				1		
			Travel (PL)	309	0					309	0
		Nuclear Materials Users Total		309	9				1	309	8
		Spent Fuel Storage and Transportation	Travel (PL)	32	0					32	0
		Spent Fuel Storage and Transportation Total		32	0					32	0
		Decommissioning and LLW	PL-M Support Staff	0	1					0	1
	Nuclear Materials and Waste Safety Total			422	10				1	422	9
		New Reactors Total		46	0					46	0
		Operating Reactors	Event Response	586	0	586					
			Oversight		3		3				
			Training	0	0						0
			Travel (PL)	2222	0					2222	0
	Nuclear Reactor Safety Total			2976	41	586	3			2390	38
REG4 Total				8126	57	586	3		1	7540	53
	Nuclear Materials and Waste Safety	Fuel Facilities	Oversight	0	1			1			
			PL-M Support Staff	0	7					0	7
			Travel (PL)	528	0					528	0
		Fuel Facilities Total		528	8			1		528	7
		Nuclear Materials Users	Travel (PL)	15	0					15	0
		Nuclear Materials Users Total		15	0					15	0
	Nuclear Materials and Waste Safety Total			559	8			1		559	7
	Nuclear Reactor Safety	New Reactors	Oversight	270	1	270	1				
			Training	0	0						
			PL-M Support Staff	0	13					0	13
			Travel (PL)	686	0					686	0
			Oversight	0	2		2				
			Training	0	0						0
			PL-M Support Staff	669	47					669	47
			Travel (PL)	2051	0					2051	0
	Nuclear Reactor Safety Total			3776	63	370	3			3406	60
Grand Total				33150	261	1,439	13	1	2	31711	245

FY 2017 BUDGET RESOURCES FOR OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

OFFICE: NMSS

Program	Business Lines	Product Lines	Budget Resources Allocated to Fee Classes: Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Spent Fuel Stor/Reactor Decomm. Contract ($,K)	Spent Fuel Stor/Reactor Decomm. FTE	Fuel Facility Contract ($,K)	Fuel Facility FTE	Test & Research Reactors Contract ($,K)	Materials Contract ($,K)	Materials FTE	Transportation Contract ($,K)	Transportation FTE	Uranium Recovery Contract ($,K)	Uranium Recovery FTE	Fee Relief Contract ($,K)	Fee Relief FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Corporate Support	Corporate Support	Information Mgmt.	96	0														0	0	96	0
Nuclear Materials and Waste Safety	Fuel Facilities	International Activities	0	5														0	5		
		Licensing	960	24					960	24								0	0		
		Oversight	0	30						30								0	0		
		PL-M Support Staff	350	12														0	0	350	12
		Travel (PL)	424	0														0	0	424	0
		Rulemaking (PL)	23	4					23	4								0	0		
	Nuclear Materials Users		4234	133	3	1	3		3	0.5	0.3	300.2	55		0.5		1	3,582	62	343	13
	Spent Fuel Storage and Transportation	International Activities	180	3			90	0.5						90	0.5			0	2		
		Licensing	2750	45			1,825	29.6						907.1	15.1			18	0.3		
		Oversight	0	10				8.5							1.5			0	0		
		Research	1435	3	1,435	3												0	0		
		PL-M Support Staff	14	12														0	0	14	12
		Travel (PL)	388	0														0	0	388	0
	Spent Fuel Storage and Transportation Total		5707	81	2,235	5	1,982	42.6						1068.2	19.1			20	2.3	402	12
	Decommissioning and LLW	International Activities	100	3														100	3		
		Licensing	4543	54												2,600.0	19.4	1,943	34.6		
		Oversight	111	21				9.9									5.8	111	5.3		
		PL-M Support Staff	12	11														0	0	12	11
		Travel (PL)	304	0														0	0	304	0
		Rulemaking (PL)	428	4														428	4		
Nuclear Materials and Waste Safety Total			17196	382	2,238	6	1,985	52.5	986	58.5	0.3	300.2	55	1068.2	19.6	2,600.0	26.2	6,183	116.2	1835	48
Nuclear Reactor Safety	New Reactors	Licensing	0	1		1												0	0		
		Rulemaking (PL)	0	1		1												0	0		
	New Reactors Total		0	2		2												0	0		
	Operating Reactors	Licensing	0	2														0	2		
		Oversight	0	8		8												0	0		
Nuclear Reactor Safety Total			0	15		13												0	2		
Grand Total			17292	397	2,238	19	1,985	52.5	986	58.5	0.3	300.2	55	1068.2	19.6	2,600.0	26.2	6,183	118.2	1931	48

FY 2017 BUDGET RESOURCES FOR OFFICE OF NUCLEAR SECURITY AND INCIDENT RESPONSE

OFFICE NSIR

			Budget Resources Allocated to Fee Classes											
Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Spent Fuel Stor/Reactor Decomm. FTE	Fuel Facility Contract ($,K)	Fuel Facility FTE	Materials FTE	Fee Relief FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Corporate Support	Corporate Support	Information Mgmt.	362	10							0	362	10
		Information Technology	30	1							0	30	1
Nuclear Materials and Waste Safety	Fuel Facilities	Event Response	30	2				30	2		0		
		International Activities	0	1					1		0		
		Licensing	0	3					3		0		
		Oversight	337	7				337	7		0		
		PL-M Support Staff	0	3							0	0	3
		Travel (PL)	86	0							0	86	0
		Rulemaking (PL)	0	2					2		0		
	Nuclear Materials Users	Event Response	0	4						0.6	3.4		
		International Activities	0	1							1		
		Licensing	0	0							0		
		PL-M Support Staff	0	0							0	0	0
		Travel (PL)	20	0							0	20	0
		Rulemaking (PL)	0	1						0.1	0.9		
	Spent Fuel Storage and Transportation	Licensing	0	3			3				0		
		Oversight	0	2			2				0		
		PL-M Support Staff	0	1							0	0	1
		Rulemaking (PL)	0	1			1				0		
		Generic HLS (PL)	0	0							0		
Nuclear Reactor Safety	New Reactors	Licensing	595	8	595	8					0		
		Oversight	600	5	600	5					0		
		PL-M Support Staff	0	2							0	0	2
		Travel (PL)	51	0							0	51	0
		Rulemaking (PL)	0	0							0		
	Operating Reactors	Event Response	6798	40	6,798	40					0		
		International Activities	0	1		1					0		
		Licensing	750	26	750	25					1		
		Oversight	3659	72	3,659	72					0		
		Training	0	0							0		
		PL-M Support Staff	0	28							0	0	28
		Travel (PL)	873	0							0	873	0
		Rulemaking (PL)	325	6	325	6					0		
Grand Total			14516	230	12,727	157	6	367	15	0.7	6.3	1422	45

FY 2017 BUDGET RESOURCES FOR OFFICE OF GENERAL COUNSEL

OFFICE	OGC

			Budget Resources Allocated to Fee Classes												
Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Spent Fuel Stor/Reactor Decomm. FTE	Fuel Facility FTE	Materials FTE	Uranium Recovery FTE	Fee Relief Contract ($,K)	Fee Relief FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Corporate Support	Corporate Support	Information Mgmt.	62	0							0	0	62	0
		Information Technology	0	0							0	0	0	0
		Policy Support	666	18							0	0	666	18
Nuclear Materials and Waste Safety	Fuel Facilities	Licensing	0	2				2			0	0	0	0
		Travel (PL)	6	0							0	0	6	0
		Rulemaking (PL)	0	1				1			0	0		
	Nuclear Materials Users	International Activities	0	1							0	0	0	1
		Licensing	0	4					3.8		0	0.2	0	0
		State, Tribal and Federal Pgms	0	1							0	1		
		PL-M Support Staff	0	1							0	0	0	1
		Travel (PL)	14	0							0	0	14	0
		Rulemaking (PL)	0	1					0.1		0	0.9		
	Spent Fuel Storage and Transportation	Licensing	0	3			3				0	0	0	0
		Rulemaking (PL)	0	1			1				0	0		
	Decommissioning and LLW	Licensing	0	7						1	0	5	0	1
		PL-M Support Staff	0	1							0	0	0	1
		Travel (PL)	11	0							0	0	11	0
		Rulemaking (PL)	0	1							0	1		
Nuclear Reactor Safety	New Reactors	Licensing	0	13		12					0	0	0	1
		Oversight	0	1		1					0	0		
		PL-M Support Staff	0	8							0	0	0	8
		Travel (PL)	46	0							0	0	46	0
		Rulemaking (PL)	0	1		1					0	0		
	Operating Reactors	Licensing	0	19		16					0	0		3
		Oversight	0	2		2					0	0		
		Training	53	0							0	0	53	0
		PL-M Support Staff	61	11							0	0	61	11
		Travel (PL)	20	0							0	0	20	0
		Rulemaking (PL)	0	4		4					0	0		
Grand Total			939	101		36	4	3	3.9	1	0	8.1	939	45

FY 2017 BUDGET RESOURCES FOR ADVISORY COMMITTEE ON REACTOR SAFEGUARDS

OFFICE ACRS

Budget Resources Allocated to Fee Classes

Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Fuel Facility FTE	Fee Relief Contract ($,K)	Fee Relief FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Nuclear Materials and Waste Safety	**Fuel Facilities**	Licensing	0	1			1	0	0		
	Decommissioning and LLW	Licensing	0	1				0	1		
		Travel (PL)	6	0				0	0	6	0
Nuclear Reactor Safety	**New Reactors**	Licensing	60	7	60	7		0	0		
		PL-M Support Staff	0	2				0	0	0	2
		Travel (PL)	150	0				0	0	150	0
	Operating Reactors	Licensing	134	16	134	16		0	0		
		PL-M Support Staff	0	3				0	0	0	3
		Travel (PL)	375	0				0	0	375	0
Grand Total			**725**	**30**	**194**	**23**	**1**	**0**	**1**	**531**	**5**

FY 2017 BUDGET RESOURCES FOR OFFICE OF INTERNATIONAL PROGRAMS

OFFICE	OIP												
			Budget Resources Allocated to Fee Classes										
Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Spent Fuel Stor/Reactor Decomm. FTE	Materials FTE	Import/Export FTE	Fee Relief Contract ($,K)	Fee Relief FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Corporate Support	Corporate Support	Policy Support	370	3						0	0	370	3
Nuclear Materials and Waste Safety	Fuel Facilities	International Activities	0	1						0	0		1
	Nuclear Materials Users	International Activities	6444	11				3.5	2.5	6,444	4.5		0.5
		PL-M Support Staff	0	4						0	0	0	4
	Spent Fuel Storage and Transportation	International Activities	0	0						0	0		
	Decommissioning and LLW	International Activities	0	2			1			0	1		
		PL-M Support Staff	0	0						0	0	0	0
Nuclear Reactor Safety	New Reactors	International Activities	0	3		2				0	0		1
	Operating Reactors	International Activities	0	7		6			1	0	0		
		PL-M Support Staff	0	6						0	0	0	6
		Travel (PL)	288	0						0	0	288	0
Grand Total			7102	37		8	1	3.5	3.5	6,444	5.5	658	15.5

FY 2017 BUDGET RESOURCES FOR OFFICE OF ENFORCEMENT

OFFICE	OE																	
			Budget Resources Allocated to Fee Classes															
Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Spent Fuel Stor/Reactor Decomm. Contract ($,K)	Spent Fuel Stor/Reactor Decomm. FTE	Fuel Facility Contract ($,K)	Fuel Facility FTE	Materials Contract ($,K)	Materials FTE	Transportation Contract ($,K)	Transportation FTE	Fee Relief Contract ($,K)	Fee Relief FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Corporate Support	Corporate Support	Human Resource Mgmt.	0	0											0.0	0	0	0
		Information Technology	138	0											0.0	0	138	0
Nuclear Materials and Waste Safety	Fuel Facilities	Oversight	10	2					10.0	2					0.0	0		
		PL-M Support Staff	0	1											0.0	0	0	1
		Travel (PL)	4	0											0.0	0	4	0
	Nuclear Materials Users	Oversight	47	11			2.0	0.3			41	10.4	1		2.7	0.3		
		PL-M Support Staff	0	1											0.0	0	0	1
		Travel (PL)	35	0											0.0	0	35	0
Nuclear Reactor Safety	New Reactors	Oversight	8	4	6.0	4									0.0	0		
		PL-M Support Staff	0	0											0.0	0	0	0
		Travel (PL)	7	0											0.0	0	7	0
	Operating Reactors	Oversight	198	22	193.0	21.8	2.0	0.1					2	0.1	0.9	0		
		PL-M Support Staff	0	5											0.0	0	0	5
		Travel (PL)	41	0											0.0	0	41	0
Grand Total			486	46	199.0	25.8	4.0	0.4	10.0	2	41	10.4	3	0.1	3.6	0.3	225	7

FY 2017 BUDGET RESOURCES FOR OFFICE OF INVESTIGATIONS

OFFICE	OI

Budget Resources Allocated to Fee Classes

Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Materials FTE	Fee Relief FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Corporate Support	**Corporate Support**	Information Technology	275	0				0	275	0
Nuclear Materials and Waste Safety	**Nuclear Materials Users**	Oversight	0	6			5.6	0.4		
		PL-M Support Staff	0	1				0	0	1
		Travel (PL)	131	0				0	131	0
Nuclear Reactor Safety	**New Reactors**	Oversight	0	1		1		0		
		Travel (PL)	41	0				0	41	0
	Operating Reactors	Oversight	93	23	93	23		0		
		Training	31	0				0	31	0
		PL-M Support Staff	0	12				0	0	12
		Travel (PL)	401	0				0	401	0
Grand Total			**972**	**43**	**93**	**24**	**5.6**	**0.4**	**879**	**13**

FY 2017 BUDGET RESOURCES FOR ATOMIC SAFETY AND LICENSING BOARD

OFFICE ASLBP

Budget Resources Allocated to Fee Classes

Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Spent Fuel Stor/Reactor Decomm. Contract ($,K)	Spent Fuel Stor/Reactor Decomm. FTE	Fuel Facility Contract ($,K)	Fuel Facility FTE	Materials Contract ($,K)	Materials FTE	Uranium Recovery Contract ($,K)	Uranium Recovery FTE	Fee Relief Contract ($,K)	Fee Relief FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Corporate Support	Corporate Support	Administrative	890	2											0.0	0	890	2
Nuclear Materials and Waste Safety	Fuel Facilities		5	1					5	1					0.0	0	0	0
	Nuclear Materials Users	Licensing	28	2							26.3	1.9			1.7	0.1		
	Nuclear Materials Users Total		55	2							26.3	1.9			1.7	0.1	27	0
	Spent Fuel Storage and Transportation	Licensing	15	1			15	1							0.0	0		
	Spent Fuel Storage and Transportation Total		24	1			15	1							0.0	0	9	0
	Decommissioning and LLW	Licensing	60	3									60	3	0.0	0		
	Decommissioning and LLW Total		82	3									60	3	0.0	0	22	0
Nuclear Materials and Waste Safety Total			166	7			15	1	5	1	26.3	1.9	60	3	1.7	0.1	58	0
		PL-M Support	0	2											0.0	0	0	2
		Travel (PL)	48	0											0.0	0	48	0
	New Reactors Total		418	9	360	7									0.0	0	58	2
	Operating Reactors	Licensing	85	10	85	10									0.0	0		
		PL-M Support	0	3											0.0	0	0	3
		Travel (PL)	21	0											0.0	0	21	0
	Operating Reactors Total		126	13	85	10									0.0	0	41	3
Nuclear Reactor Safety Total			544	22	445	17									0.0	0	99	5

FY 2017 BUDGET RESOURCES FOR OFFICE OF THE CHIEF HUMAN CAPITAL OFFICER

OFFICE: OCHCO

Program	Business Lines	Product Lines	Budget Resources Allocated to Fee Classes: Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Spent Fuel Stor/Reactor Decomm. Contract ($,K)	Fuel Facility Contract ($,K)	Fuel Facility FTE	Test & Research Reactors Contract ($,K)	Materials Contract ($,K)	Materials FTE	Transportation Contract ($,K)	Transportation FTE	Uranium Recovery Contract ($,K)	Fee Relief Contract ($,K)	Fee Relief FTE	Hourly Rate Contract ($,K)	Hourly Rate FTE
Corporate Support	Corporate Support	Human Resource Mgmt.	4307	52												0.0	0	4307	52
		Information Mgmt.	5	1												0.0	0	5	1
		Outreach	0	0												0.0	0		
		Training	2879	19												0.0	0	2879	19
Nuclear Materials and Waste Safety	Fuel Facilities	Training	428	0				401			27.0					0.0	0		
	Nuclear Materials Users	International Activities	0	0												0.0	0		
		Training	1858	4	205	0.2	42	75	0.2		293.0	0.7	33	0.2		1,210.0	1.7	0	1
	Spent Fuel Storage and Transportation	Training	93	0			13						80			0.0	0		
	Decommissioning and LLW	Training	715	0	8		258	16			24.0				28	381.0	0		
Nuclear Reactor Safety	New Reactors	Training	685	13	679	12										6.0	0	0	1
		PL-M Support Staff	0	1												0.0	0	0	1
		Travel (PL)	60	0												0.0	0	60	0
	Operating Reactors	Training	3175	26	3,115	24.8				2.5	4.0					53.5	0.2	0	1
		PL-M Support Staff	0	4												0.0	0	0	4
		Travel (PL)	130	0												0.0	0	130	0
Grand Total			14335	120	4,007	37	313	492	0.2	2.5	348.0	0.7	113	0.2	28	1,650.5	1.9	7381	80

FY 2017 BUDGET RESOURCES FOR OFFICE OF ADMINISTRATION								
OFFICE	ADM							
			Budget Resources Allocated to Fee Classes					
Program	**Business Lines**	**Product Lines**	**Total Contract ($,K)**	**Total FTE**	**Fee Relief Contract ($,K)**	**Fee Relief FTE**	**Hourly Rate Contract ($,K)**	**Hourly Rate FTE**
Corporate Support	**Corporate Support**	Administrative Services	69848	105	0	0	69848	105
		Human Resource Mgmt.	150	1	0	0	150	1
		Information Mgmt.	48	0	0	0	48	0
		Information Technology	1488	1	0	0	1488	1
		Acquisitions	4745	64	0	0	4745	64
Nuclear Reactor Safety	**Operating Reactors**	Oversight	110	0	0	0	110	0
Grand Total			**76389**	**171**	**0**	**0**	**76389**	**171**

Omnibus Budget Reconciliation Act of 1990
(OBRA-90)

Referenced throughout the final rule

This document is provided as supplemental information. The proposed amendments to 10 CFR Parts 170 and 171 are necessary to implement the Omnibus Budget Reconciliation Act of 1990 (OBRA-90), as amended. The OBRA-90, as amended, requires that the NRC recover approximately 90 percent of its budget authority in fiscal year 2016, less the amounts appropriated for Waste Incidental to Reprocessing, Defense Nuclear Facilities Safety Board and amounts appropriated for generic homeland security activities.

Court Decision, 1993

Allied Signal, Inc. v. NRC and *Combustion Engineering v. NRC*

This document is provided as supplemental information. In 1990 Congress required the NRC to collect annual charges and user fees approximating 100 percent of the agency's budget, effective for fiscal year 1991. NRC's FY 1991 fee rule imposed annual charges against virtually all of the agency's licensees in an effort to be more fair and equitable. Previously, it had levied annual charges only on operating nuclear power reactors, which constitute the most significant group of NRC licensees.

On July 10, 1991 (56 FR 31472), the NRC published a final rule in the *Federal Register* that established the Part 170 professional hourly rate and the materials licensing and inspection fees, as well as the Part 171 annual fees, to be assessed to recover approximately 100 percent of the FY 1991 budget. In addition to establishing the FY 1991 fees, the final rule established the underlying basis and methodology for determining both the Part 170 hourly rate and fees and the Part 171 annual fees. The FY 1991 rule was challenged in Federal court by *Allied Signal, Inc. v. NRC* and *Combustion Engineering v. NRC.*

The court remanded two issues to the NRC for further consideration. Despite the remand, the court did not vacate the rule. One of the remanded issues related to the exemption from annual fees for nonprofit educational institutions. The second remand issue dealt with LLW disposal costs.

Court Decision, 1993

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On July 10, 1991 (56 FR 31472), the NRC published a final rule in the *Federal Register* that established the Part 170 professional hourly rate and the materials licensing and inspection fees, as well as the Part 171 annual fees, to be assessed to recover approximately 100 percent of the FY 1991 budget. In addition to establishing the FY 1991 fees, the final rule established the underlying basis and methodology for determining both the Part 170 hourly rate and fees and the Part 171 annual fees. The FY 1991 rule was challenged in Federal court by *Allied Signal, Inc. v. NRC* and *Combustion Engineering v. NRC.*

The court remanded two issues to the NRC for further consideration. Despite the remand, the court did not vacate the rule. One of the remanded issues related to the exemption from annual fees for nonprofit educational institutions. The second remand issue dealt with LLW disposal costs.

2 of 13 DOCUMENTS

Allied-Signal, Inc., Petitioner v. U.S. Nuclear Regulatory Commission and the United States of America, Respondents Combustion Engineering, Inc., Petitioner v. U.S. Nuclear Regulatory Commission and the United States of America, Respondents Combustion Engineering, Inc., Petitioner v. U.S. Nuclear Regulatory Commission and the United States of America, Respondents Allied-Signal, Inc., Petitioner v. U.S. Nuclear Regulatory Commission, Respondent

No. 91-1407, No. 91-1435, No. 92-1001, No. 92-1019

UNITED STATES COURT OF APPEALS FOR THE DISTRICT OF COLUMBIA CIRCUIT

300 U.S. App. D.C. 198; 988 F.2d 146; 1993 U.S. App. LEXIS 4684

November 5, 1992, Argued
March 16, 1993, Decided

PRIOR HISTORY: [**1] Petitions for Review of An Order of the U.S. Nuclear Regulatory Commission.

COUNSEL: John Hoff, with whom Leonard A. Miller was on the brief, for petitioner Allied Signal, Inc. in Nos. 91-1407 and 92-1019.

Harold F. Reis, with whom Michael F. Healy was on the brief, for petitioner Combustion Engineering, Inc. in Nos. 91-1435 and 92-1001.

L. Michael Raffey, with whom William C. Parler, General Counsel, John F. Cordes, Sr., Solicitor, and E. Leo Slaggie, Deputy Solicitor, U.S. Nuclear Regulatory Commission, and Katherine Adams, Attorney, Department of Justice, were on the brief, for respondents.

JUDGES: Before: Silberman, Williams and D.H. Ginsburg, Circuit Judges. Opinion for the Court filed by Circuit Judge Williams.

OPINION BY: WILLIAMS

OPINION:

[*148] Williams, *Circuit Judge*:

Congress has directed the Nuclear Regulatory Commission to recover 100% of its costs from those who receive its regulatory "services" and to allocate the costs "fairly and equitably" among those recipients. Petitioners Allied Signal and Combustion Engineering challenge an NRC rule making that allocation; they also attack the NRC's denial of various requested exemptions from the fees. They allege that the Commission's [**2] actions did not satisfy Congress's "fair[] and equitable" standard and also were arbitrary and capricious. We agree in part and remand the case to the Commission.

Under authority granted in the Independent Offices Appropriation Act of 1952 ("IOAA"), *31 U.S.C. § 9701*, the Commission has long charged fees to any person who received a "service or thing of value" from the Commission. (That term includes, perhaps oxymoronically, "regulatory services" such as permit processing.) In 1986, Congress expanded the NRC's recovery authority in the Consolidated Omnibus Budget Reconciliation Act of 1985 ("COBRA"), Pub. L. No. 99-272, 100 Stat. 147, and authorized it to recover 33% of its total annual budget through fees. Because IOAA fees could not generate that sum, Congress allowed the NRC to assess fees not only for the service-specific costs covered by IOAA but also for the Commission's *generic* costs of operation (e.g., costs associated with rulemaking proceedings or safety research). Later acts raised the budget recovery level to 45% for the years 1988 through 1990. n1 In carrying out the 33% and 45% recovery mandates, the Commission imposed fees for [**3] generic costs only on licensees who operated nuclear

power reactors, reasoning that they absorbed the most regulatory resources. See *Florida Power and Light Co. v. United States, 269 U.S. App. D.C. 377, 846 F.2d 765 (D.C. Cir. 1988).*

n1 See *Omnibus Budget Reconciliation Act of 1987*, Pub. L. No. 100-203, 101 Stat. 1330-275; *Omnibus Reconciliation Act of 1989*, Pub. L. No. 101-239, 103 Stat. 2132.

In the 1990 Omnibus Reconciliation Act ("1990 OBRA"), Pub. L. No. 101-508, 104 Stat. 1388-299, Congress raised the recovery mandate for 1991-95 to 100% of the Commission's budget, see Pub. L. No. 101-508, § 6101 (codified at *42 U.S.C. § 2214*), and told the Commission to promulgate a rule apportioning the generic fees "fairly and equitably" among licensees. *Id.* at § 6101(c)(3) (codified at *42 U.S.C. § 2214*(c)(3)). The legislation further said that "to the maximum extent practicable, the charges [assessed by the rule] shall have a reasonable [**4] relationship to the cost of providing regulatory services and may be based on the allocation of the Commission's resources among licensees or classes of licensees." *Id.* After notice and comment, the Commission issued a rule purporting to carry out these directions. In doing so, it imposed fees on virtually all licensees. See Revision of Fee Schedules; 100% Fee Recovery (the "Final Rule"), *56 Fed. Reg. 31,472* (July 10, 1991) (codified at 10 CFR §§ 52, 71, 170, and 171).

[*149] I

Allied, a uranium hexafluoride (UF) converter, first complains about the Commission's failure to consider the inability of UF converters to "pass through" OBRA fees to customers--i.e., to recoup them in whole or in part by raising prices. Allied asserts that the Commission's treatment of the issue was inconsistent with OBRA and also with the NRC's treatment of other licensees' passthrough capability.

Allied's claim rests on simple facts. It explains that domestic UF converters compete with foreign UF converters who are not subject to NRC licensing and thus are not required to pay NRC fees. Competition, it says, is stiff; success in bidding on UF conversion contracts often turns on [**5] differentials as small as one cent per pound. Fees imposed under the Final Rule, however, add up to almost five cents per pound of UF. Because adding the fee to their prices will drive customers to foreign converters, domestic UF converters cannot pass the costs forward. Allied draws a sharp contrast between UF converters and other NRC licensees such as electric utilities, which it says are readily able to pass the costs on to customers. The Commission disputes none of these assertions.

Allied's statutory theory rests both on the 1990 OBRA and on the legislative history of 1986 COBRA--the latter being explicitly linked to the 1990 OBRA via its legislative history. Section 6201(c)(3) of the 1990 OBRA (codified at *42 U.S.C. § 2214*(c)(3)), provides that

> the Commission shall establish, by rule, a schedule of charges *fairly and equitably* allocating the aggregate amount of charges ... [necessary to recoup 100% of the Commission's budget].

(Emphasis added.) The Conference Report to the 1990 OBRA states that the Commission has "the discretion ... to assess annual charges against all of its licensees." H.R. Conf. Rep. No. 964, 101st Cong., [**6] 2d Sess. (1990), at 961. At the same time, however, the Report expressly "reaffirms the statement of the [floor] managers [of 1986 COBRA] on the present authority" of the NRC to assess fees. *Id.* That statement in turn declared that it was the "intention of the conferees that, because certain Commission licensees, such as universities, hospitals, research and medical institutions, and uranium producers have *limited ability to pass through the costs of these charges* to the ultimate consumer, the Commission should *take this factor into account* in determining whether to modify [its] current fee schedule for such licensees." 132 Cong. Rec. H3797/3 (March 6, 1986) (emphases added).

The statutory language and legislative history do not, in our view, add up to an inexorable mandate to protect classes of licensees with limited ability to pass fees forward. Even the 1986 legislative history, written in the context of COBRA's less-demanding 33% recovery mandate, only directed the Commission to "take ... account" of passthrough considerations, which would not necessarily entail that those considerations control. Moreover, the 1990 Conference Report explicitly said that Congress preserved [**7] NRC's discretion to impose fees on "one or more classes of

non-power-reactor licensees if the Commission believes it can fairly, equitably, and practicably do so." H.R. Conf. Rep. No. 964, 101st Cong., 2d Sess. (1990), at 961. Even if we were to give the legislative history great weight, we could not conclude that Congress has "directly spoken" to whether the Commission must spare licensees that cannot pass the fees forward. See *Chevron v. Natural Resources Defense Council, 467 U.S. 837, 842, 81 L. Ed. 2d 694, 104 S. Ct. 2778 (1984)*. The question therefore is whether the Commission's interpretation is reasonable. See *id. at 845; Chemical Manufacturers Ass'n v. EPA, 287 U.S. App. D.C. 49, 919 F.2d 158, 162-63 (D.C. Cir. 1990)*.

The Commission offered two justifications for its decision to disregard the passthrough concerns of UF converters. First, it argued that it could not adjust fees based on competitive impact because the 100% recovery mandate of 1990 OBRA [*150] would require any abatement of fees for one class of licensees to be recouped from others. See Final Rule, *56 Fed. Reg. at 31,476;* Letter of NRC Denying Allied Exemption [**8] Request at 3-4. However, while one could argue that it is unfair to charge any regulatee more than its pro rata share of generic costs (and not unfair to excuse some regulatees from paying all of their pro rata share when less than 100 percent must be recovered), that potential explanation does not carry the day here. The Commission's willingness to make an exemption for nonprofit educational institutions belies the assertion that it will not charge any regulatee more than its pro rata share.

Nonetheless, the Commission also pointed to an entirely legitimate concern—the difficulty of assessing the ability of its 9000 licensees to pass through costs. See NRC Denial of Allied Exemption Request at 4. A firm's ability to pass through a burden to its customers depends on the price elasticities of supply and demand. "Inelastic suppliers and demanders pay taxes." Donald N. McCloskey, The Applied Theory of Price 324 (1982). (While the fees are technically not taxes, the same principle applies to costs generally.) Because these elasticities are typically hard to discover with much confidence, the Commission's refusal to read the statute as a rigid mandate to do so is not only understandable [**9] but reasonable.

It does not follow, however, that the Commission's application of the *statute* was in every respect reasonable. If capacity to pass the fees through can be determined with reasonable accuracy and at reasonable cost for specific classes of licensees, there appears no reason why the Commission should not do so. In fact, the Commission *has* made such a determination for another class of licensees, even though that class's claim seems no better founded than the claim of the domestic UF converters.

Specifically, in the Final Rule the Commission exempted nonprofit educational institutions from payment of certain 1990 OBRA fees. See *56 Fed. Reg. at 31,487/1-2, 31,491/1-2; 10 CFR § 171.11(a)*. This appears to be based at least in part on the rationale that such institutions "have a limited ability to pass the[] costs on to others." Final Rule, *56 Fed. Reg. at 31,477/1-2* (1991). n2 See also *56 Fed. Reg. at 31,487/2* (speaking of educational institutions' "limited ability to pass regulatory costs through to their clients").

n2 This passage relates to the service-specific fees, but no independent justification for the exemption from generic costs appears, and the Commission here seems to assume that the explanation extends to the generic. See Commission Brief at 8, 19-20.

[**10]

The Commission nowhere explains how it was able to make this finding for non-profits but is not able to resolve the elasticity claim one way or the other for domestic UF converters. The Commission does not so much as hint at data relating to the markets in which educational institutions serve their "clients". n3 Neither does the Commission explain why a demand elasticity calculation was any easier or less costly to complete for educational institutions than for UF converters. Thus the Commission's denial of relief for UF converters, both at the rulemaking and the exemption stages, cannot be viewed as reasoned decision-making.

n3 We note that for educational institutions with certain types of licenses, the exemption is unavailable with respect to activities such as "remunerated services ... [performed for] other persons" and "activities performed under a Government contract". See *10 CFR § 171.11(a)(2) & (4)*. This exclusion from the exemption, however, is limited to specific types of licenses, namely "byproduct, source or special

nuclear material licenses."

[**11]

An inadequately supported rule, however, need not necessarily be vacated. See, e.g., *International Union, UMW v. FMSHA, 287 U.S. App. D.C. 166, 920 F.2d 960, 966-67 (D.C. Cir. 1990); Maryland People's Counsel v. FERC, 247 U.S. App. D.C. 333, 768 F.2d 450, 455 (D.C. Cir. 1985); ICORE, Inc. v. FCC, 985 F.2d 1075*, Slip op. at 12 (D.C. Cir. 1993). The decision whether to vacate depends on "the seriousness of the order's deficiencies (and thus the extent of doubt whether the agency chose correctly) and the disruptive consequences of an interim [*151] change that may itself be changed." *International Union, 920 F.2d at 967.*

It is conceivable that the Commission may be able to explain how the principles supporting an exemption for educational institutions do not justify a similar exemption for domestic UF converters. For example, the Commission may develop a reasoned explanation based on an alternative justification that it offered for the non-profit educational institutions' exemption--that "educational research provides an important benefit to the nuclear industry and the public at large and should not be discouraged." *56 Fed. Reg. at 31,477* [**12] *n.* While this reference is quite vague--the benefits of UF conversion can hardly be deprecated merely because the converters operate in a conventional market--perhaps the Commission's focus is on *education*, with the idea that education yields exceptionally large externalized benefits that cannot be captured in tuition or other market prices. We cannot tell at this point whether the exemption for educational institutions could be reasonably rooted in such a theory, but there is at least a serious possibility that the Commission will be able to substantiate its decision on remand.

At the same time, the consequences of vacating may be quite disruptive. Even assuming that we could merely vacate the rule insofar as it denies an exemption for UF converters, the Commission would need to refund all 1990 OBRA fees collected from those converters; in addition it evidently would be unable to recover those fees under a later-enacted rule. See *Bowen v. Georgetown University Hospital, 488 U.S. 204, 208-09, 102 L. Ed. 2d 493, 109 S. Ct. 468 (1988)* (rejecting retroactive application of rules even if operating only to cure defects in previously enacted rule). Therefore, because of the possibility [**13] that the Commission may be able to justify the Rule, and the disruptive consequences of vacating, we remand to the Commission for it to develop a reasoned treatment of exemption claims based on passthrough limitations.

Combustion Engineering also raised a related passthrough argument--that long-term fixed price contracts in its sector of the industry constrain its ability to pass through costs and therefore require some sort of gradual phase-in. See Comments of Combustion Engineering, May 13, 1991 at 2. On remand, the Commission must address this claim as well.

II

Allied also argues that the Commission's apportionment of fees *within* the class of domestic UF converters violated the 1990 OBRA. Allied argues (again without dispute by the Commission) that it has required much less regulatory attention than the only other member of the UF converter class, the Sequoyah Fuels Corporation, because of the latter's environmental problems. See NRC Denial of Allied Exemption Request at 7. Thus, Allied says, allocation of the fees equally between the two UF converters violated the 1990 OBRA's directives that OBRA charges be apportioned "fairly and equitably" and that "to the maximum extent [**14] practicable, the charges shall have a reasonable relationship to the cost of providing regulatory services." Pub. L. No. 101-508, § 6101(c)(3) (codified at *42 U.S.C. § 2214(c)(3)*). Allied contends that the Commission instead ought to have divided the class's fees either in proportion to the amount of NRC attention required by each converter or in proportion to the service-specific (IOAA) fees paid by the two converters.

Allied's argument fails because it disregards the premise that 1990 OBRA fees are not service-specific: they do not relate to identifiable services but rather constitute *generic* costs. See Final Rule, *56 Fed. Reg. at 31,472*. Assuming that the Commission correctly classified the costs in question (and Allied does not contest the classification), there is a presumption that even regulatory effort precipitated by the circumstances of a single licensee of a given class will yield results, such as research findings or regulations, of roughly equal importance for all members of the same class.

[*152] This conclusion is not undermined by the Commission's willingness to apportion 1990 OBRA fees

between groups [**15] of licensees on the basis of the attention required by each group. See Final Rule, *56 Fed. Reg. at 31,476;* Letter of NRC Denying Allied Exemption Request at 2, 4-5. First, the spillover of benefits seems far greater *within* a group of licensees than *between* groups. See *id.* at 5. Second, the administrative costs of group-level apportionment are obviously much lower than licensee-level apportionment because the number of licensees greatly exceeds the number of groups.

Here, neither of the measuring devices proposed by Allied was workable or accurate enough to warrant our holding the Commission's rejection of them arbitrary or capricious. Any correlation between a licensee's IOAA (licensee-specific) costs and its benefits from generic costs seems purely coincidental. And to use as a yardstick each member's tendency to precipitate regulatory effort would not only disregard spillover effects but would raise exceptional measurement problems. See NRC Denial of Allied Exemption Request at 4-8.

III

Allied makes a narrower attack on the Commission's rejection of intra-group apportionment, namely that the Commission was arbitrary and capricious in failing [**16] to apportion the generic costs associated with the disposal of low level radioactive waste ("LLW") on the basis of each licensee's actual waste. See Final Rule, *56 Fed. Reg. at 31,497; 10 CFR § 171.16(e).* At the class level, the Commission allocated costs in accordance with each class's contribution to the total quantity of LLW. Because materials licensees (a group that includes UF converters) collectively generate 40% of the nation's LLW, the Commission allocated 40% of its LLW costs to that class. See *id.* When it turned to apportionment of those fees among the materials licensees, however, the Commission abandoned that approach and simply assessed each large fuel facility (of which Allied is one) an identical charge of $ 143,500. For explanation, the NRC offered only the conclusory statement that "the Commission ... believes ... the surcharge should be the same for all large fuel facility licensees." See Final Rule, *56 Fed. Reg. at 31,481.*

The Commission provides no rationale for apportioning costs among classes of LLW producers on the basis of LLW output but refusing to apply that same yardstick in apportioning generic costs [**17] within classes, and no rationale is readily apparent. While it is conceivable that the real benefit of LLW disposal services is merely the availability of such services--in which case a flat fee would make sense--any such idea is inconsistent with the Commission's method of apportioning LLW fees among classes of licensees, which appears to assume that benefit is proportional to LLW quantity. If, on the other hand, any licensee's benefit from LLW disposal is directly proportional to its LLW disposal, apportioning even generic costs on the basis of output seems to make sense--not only as to classes but also as to individual licensees. Finally, assuming that the Commission calculated each class's quantity of LLW waste from data supplied by each licensee (as seems necessarily true), it is hard to see any administrative problem with apportioning the fees within the class on the basis of output; the data are available and the required computations would be rudimentary.

In applying the balancing of *International Union* and like cases, we here give little weight to the possibility that the Commission could pull a reasonable explanation out of the hat. Nonetheless, vacating the intra-class [**18] apportionment of LLW costs would give licensees a peculiar windfall; even ones that *benefitted* from the Commission's choice would presumably be entitled to a refund, and, under *Georgetown University Hospital*, the LLW costs could be recovered from no one. To be sure, the costs are not great, absolutely or as a proportion of the Commission's $ 465 [*153] million budget for FY 1991--$ 3.8 million. See *56 Fed. Reg. at 31,486, 31,497.* But that alone is hardly a reason to create such a windfall. Accordingly, we refrain from vacating the rule. If on remand the Commission concludes that the apportionment must be in accordance with usage, then those firms whose burden is lower under a new, non-arbitrary, rule should be entitled to refunds of the difference.

If indeed the remand leads to replacement of the per-licensee allocation, and licensees enjoy only refunds for the difference between liability under the old rule and liability under the new (rather than total refunds), it might be argued that such a result allows the new rule to have "retroactive effect", in violation of *Georgetown University Hospital. See 488 U.S. at 208.* There [**19] is, plainly, some retroactive effect. The effect, however, is only to define that aspect of the old rule that must be *cut away* as legally excessive. We do not read *Georgetown* as barring so limited a retroactive impact.

IV

Finally, Combustion Engineering challenges the Commission's decision to allocate OBRA fees equally to each low enriched uranium ("LEU") manufacturing *license* instead of dividing the fees equally among the LEU manufacturing *licensees*. Combustion owns and operates two LEU facilities, each separately licensed, and Combustion asserts that in the aggregate the two are operationally equivalent to the single-plant, single-license, facilities of the other LEU manufacturers. At oral argument Combustion explained that it has two licenses for the facilities only because of historical chance; it bought a company with a separate license almost 20 years ago and until the Commission implemented the current OBRA fee schedule there has never been any reason to consolidate the licenses. As before, the Commission disputes none of these contentions.

Combustion attacks both the regulation imposing the "equal fee per license" rule and the Commission's denial of an exemption. [**20] Both claims rest ultimately on the 1990 OBRA's direction that fees must be apportioned "fairly and equitably" and that "to the maximum extent practicable, ... charges shall have a reasonable relationship to the cost of providing regulatory services." Pub. L. No. 101-508, § 6101(c)(3) (codified at *42 U.S.C. § 2214*(c)(3)). Although we find the first claim unconvincing, we agree that the Commission has not justified its refusal to give the requested exemption.

The argument that the "equal fee per license" rule is "unfair and inequitabl[e]" is persuasive only on the ground that the rule produced troubling results when applied to Combustion's circumstances--which Combustion itself asserts are unusual. We see no reason for requiring the Commission to attend to that rather rare situation in the rule itself, cf. *NLRB v. Bell Aerospace Co., 416 U.S. 267, 40 L. Ed. 2d 134, 94 S. Ct. 1757 (1974)*, especially as the generic rule allowed (generically) for exemption. n4

n4 Insofar as Combustion argues, in parallel with Allied, that § 6101(c)(3) of OBRA generally requires intra-group apportionment on the basis of factors such as the amount of attention a licensee requires, the competitive position of the licensee, and the safety risks posed by the licensee's activities, we reject it for the reasons stated as to Allied.

[**21]

Combustion's exemption argument, however, has merit. The Commission's own criteria call for an exemption if the licensee can show that "the assessment of the annual fee would result in a significantly disproportionate allocation of costs to the licensee." *10 CFR § 171.11(d)*. The double assessment against Combustion's two licenses increased its OBRA fees by $ 836,500. Against this, the Commission is able to point to almost nothing by way of greater costs. Speaking to the issue in unusually murky, discursive language, the NRC in substance could point to only two additional burdens--the need to mail an extra copy of certain NRC publications to the second facility and the need for two different NRC regional offices to monitor and respond to [*154] allegations about the two plants. See NRC Denial of Combustion Exemption Request at 5-6.

The double burden for Combustion, measured against *de minimis* additional burdens for the Commission, amply overcomes the hurdle established by *10 CFR § 171.11(d)*. n5 Thus the exemption denial is arbitrary and capricious. We therefore direct the Commission to grant an exemption for Combustion on the additional fees collected as a result of the double-licensing [**22] of its operation. n6

n5 *10 CFR § 171.11(d)* also contains two other factors that the Commission shall consider when evaluating an exemption request. Although parts of § 171.11(d) are ambiguous regarding whether an applicant must fulfill all, or only one, of the factors, the fact that an applicant could not "fulfill" the criterion listed in § 171.11(d)(3)--"any other relevant matter that the licensee believes shows that the annual fee was not based on a fair and equitable allocation of NRC costs"--reveals that the "factors" should not be read as conjunctive requirements. The factors instead seem to be best understood as independent considerations which can support an exemption.

n6 We are not required to address Allied's fee exemption request because of our previous disposition of Allied's other claims. The aspects of Allied's request dealing with passthrough

ability and LLW fees are almost certain to stand or fall along with the remanded claims; and the aspect claiming that OBRA requires licensee-specific calibration of fees fails.

[**23]

* * *

We remand the case to the Commission for a reasoned and coherent treatment of (1) licensees' claims for special treatment on the basis of inability to pass the burden of the fees through to customers and (2) the method of apportioning generic LLW disposal costs among materials licensees. In addition, we direct the Commission to grant an exemption to Combustion for the generic fees attributable to the double-licensing of its LEU operation.

So ordered.