FY 2018
FINAL
FEE RULE
WORK PAPERS

FY 2018
Final Fee Rule
Work Papers

The supporting information to the FY 2018 Final 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 2018 Fee Collection **A.** Amendments to 10 CFR Part 170 **1.** Professional Hourly Rate.

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Budget and Fee Recovery

Section II

Table I

The NRC's total budget authority for FY 2018 is $922.0 million. The Excluded fee items include $1.3 million for WIR activities, $15.2 million for generic homeland security activities, $1.1 million for IG services for the Defense Nuclear Facilities Safety Board, and $10.0 million for advance reactor regulatory infrastructure. Also, for the first time, the enacted budget excludes $16.2 million for international activities from the fee-recoverable budget as well as decreased fee recovery by $0.1 million for a rescission of United States Agency for International Development (USAID). Based on the 90 percent fee-recovery requirement, the NRC will have to recover approximately $790.3 million in FY 2018 through Part 170 licensing and inspection fees and Part 171 annual fees. The amount required by law to be recovered through fees for FY 2018 would be $14.3 million less than the amount estimated for recovery in FY 2017, a decrease of 1.8 percent.

The FY 2018 fee recovery amount is decreased by $1.0 million to account for billing adjustments (i.e., for FY 2018 invoices that the NRC estimates will not be paid during the fiscal year, less payments received in FY 2018 for prior year invoices). This leaves approximately $789.3 million to be billed as fees in FY 2018 through Part 170 licensing and inspection fees and Part 171 annual fees.

The NRC estimates that $280.8 million would be recovered from Part 170 fees in FY 2018. This represents a decrease of $16.5 million or approximately 1.2 percent as compared to the estimated Part 170 collections of $297.3 million for FY 2017. The remaining $508.5 million would be recovered through the Part 171 annual fees in FY 2018, which is a decline of $0.1 million when compared to estimated Part 171 collections of $508.6 million for FY 2017.

See Tab "Budget Authority (FY 2018)" for supplemental information on the distribution of budgeted FTE and contract dollars.

Budget and Fee Recovery
FY 2018
($ in Millions)
(Individual dollar amounts may not add to totals due to rounding)

	FY 2018
NRC Budget Authority	$922.0
Less Excluded Fee Items	-$43.8
Balance	$878.2
Fee Recovery Rate for FY 2018	x .90
Total Amount to be Recovered For FY 2018	$790.4
USAID Rescission	-$0.1
Amount to be Recovered Through Fees and Other Receipts	$790.3
Estimated amount to be recovered through Part 170 fees and other receipts	-$280.8
Estimated amount to be recovered through Part 171 annual fees	$509.5
Part 171 billing adjustments	-$1.0
Adjusted Part 171 annual fee collections required	$508.5

Part 170 Fees

Section II.A

Part 170 Fees

Determination of Professional Hourly Rate

Section II.A.1

Table II

Final Professional Hourly Rate is $275

The NRC's professional hourly rate is derived by adding budgeted resources for (1) mission-direct program salaries and benefits; (2) mission indirect-program support; and (3) agency support (corporate support and the Inspector General (IG), then subtracting certain offsetting receipts and then dividing this total by mission direct full-time equivalents (FTE) converted to hours. The only budgeted resources excluded from the professional hourly rate are those for mission-direct contract activities.

The NRC has reviewed and analyzed actual time and labor data in the NRC's Human Resource Management System for the most recent completed fiscal year (FY 2017) to determine if the annual direct hours worked per direct FTE estimate requires updating for the FY 2018 fee rule. Based on this review using actual time and labor data, the NRC determined that 1,510 hours is the best estimate of direct hours worked annually per direct FTE. This estimate excludes all non-direct activities, such as annual leave, sick leave, holidays, training, and general administration tasks.

Definitions of Professional Hourly Rate Components

Mission-Direct Program Salaries and Benefits:

These resources are allocated to perform core work activities committed to fulfilling the agency's mission of protecting public health and safety, promoting the common defense and security, and protecting the environment. These resources include 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 Program Support:

These resources support the core mission-direct activities. These resources include for example, supervisory and nonsupervisory support, and mission travel and training. Supervisory and nonsupervisory support, and mission travel and training resources assigned under direct business line structure, are considered mission-indirect due to their supporting role of the core mission activities.

Agency Support (Corporate Support and the IG):

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 resources administer the corporate or shared efforts that more broadly support the activities of the agency. These resources 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 of 10 CFR Part 140) are subtracted from the budgeted resources amount when calculating the 10 CFR Part 170 professional hourly rate per the guidance in OMB Circular A-25 "User Charges." The budgeted resources for FOIA activities are allocated under the product for information services within the Corporate Support business line. The indemnity activities are allocated under the licensing actions and the Research and Test Reactors products within the Operating Reactors business line.

Estimated Annual Mission Direct FTE Productive hours:

Also referred to as the productive hours assumption, reflects the average number of hours that a mission-direct employee spends on mission-direct work in a given year. This excludes hours charged to annual leave, sick leave, holidays, training and general administration tasks. The productive hours assumption is calculated using actual time and labor data in HRMS (minus support and supervisory staff).

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

$$\frac{2{,}606{,}770}{3{,}594{,}456} \times \text{Total work hours in a year (2,087)} = 1{,}510$$

- 2,087 hours is used to be consistent with OPM guidance and the Consolidated Omnibus Budget Reconciliation Act of 1985 when determining pay
- The primary increase in productivity assumption is attributed mainly by the decline in direct staff hours for general administration and training attendance.

DETERMINATION OF PROFESSIONAL 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		1,905	334,741	175,717
	General Fund	45	7,950	176,660
NUCLEAR MATERIAL SAFETY	(Less Excl.Fee Items & General Fund)	503	88,972	176,883
	Excl. Fee Items & General Fund	53	9,322	175,892
CORPORATE SUPPORT		617	103,405	167,592
	Excl. Fee Items & General Fund	-	-	-
INSPECTOR GENERAL		58	9,918	171,000
	TOTAL	3,181	554,308	

MISSION DIRECT RESOURCES

(in actual $)	nonlabor	labor
NUCLEAR REACTOR SAFETY	$93,212,000	$254,965,828
NUCLEAR MATERIALS AND WASTE SAFETY	$16,170,000	$70,753,400
CORPORATE SUPPORT: FELLOWSHIPS/SCHOLARSHIPS	$0	$0
TOTAL	$109,382,000	$325,719,227

PROGRAM SUPPORT (or MISSION INDIRECT) RESOURCES

(in actual $)	nonlabor	labor
NUCLEAR REACTOR SAFETY (BUDGET PROGRAM)	$29,927,000	$79,775,662
NUCLEAR MATERIALS AND WASTE SAFETY (BUDGET PROGRAM)	$7,070,000	$18,219,000
TOTAL	$36,997,000	$97,994,663

AGENCY SUPPORT (or CORPORATE SUPPORT & IG) RESOURCES

(in actual $)	nonlabor	labor
TOTAL	$194,790,000	$113,322,110

TOTALS	Total ($)
Direct Labor	$325,719,227
Direct Nonlabor (excl. from hourly rates)	$109,382,000
Indirect Program Support Labor	$97,994,663
Indirect Program Support Nonlabor	$36,997,000
Agency Support: Corporate & OIG Labor	$113,322,110
Agency Support: Corporate & OIG NonLabor	$194,790,000
TOTAL	$878,205,000

DETERMINATION OF PROFESSIONAL HOURLY RATE CONTINUED

Total included in professional hourly rates:	% total	value
Mission-Direct Program Salaries & Benefits	42.37%	$325,719,227
Mission-Indirect Program Support	17.56%	$134,991,663
Agency Support: Corporate Support w/ Inspector General	40.08%	$308,112,110
Total	100.00%	$768,823,000
less offsetting receipts*		$18,491
Total in professional hourly rate**		$768,804,509

Mission-Direct FTE	1,851
FTE rate** ('Total in professional hourly rates' divided by 'Mission Direct FTE')	$415,355
Annual Mission-direct FTE productive hours	1,510
Mission-direct FTE converted to hours ('Mission Direct FTE' multiplied by 'Annual Mission direct FTE productive hours')	2,795,010
Professional Hourly rate** ('Total in professional hourly rates' divided by 'FTE converted to hours')	$275

*Calculation of offsetting receipts	Total	%	value
FOIA	$17,891	100%	$17,891
INDEMNITY	$600	100%	$600
TOTAL			$18,491

**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 professional hourly rates.

	FY18		FY17		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
CORPORATE SUPPORT						
BUSINESS LINE: CORPORATE SUPPORT						
Acquisitions						
Mission IT	6,202	2.0	4,574	3.0	1,628	(1.0)
Commodity Management	0	3.0	0	0.0	0	3.0
Procurement Operations	156	43.0	156	50.0	0	(7.0)
Administrative Assistants	0	1.0	0	1.0	0	0.0
Strategic Sourcing	0	0.0	0	4.0	0	(4.0)
Supervisory Staff	0	5.0	0	6.0	0	(1.0)
Travel	15	0.0	15	0.0	0	0.0
Administrative Services						
Mission IT	2,841	2.0	1,705	2.0	1,136	0.0
Supervisory Staff	0	10.0	0	17.0	0	(7.0)
Support Services	9,156	23.0	9,909	39.0	(753)	(16.0)
Administrative Assistants	295	2.0	295	4.0	0	(2.0)
IT Infrastructure	0	0.0	50	0.0	(50)	0.0
Corporate Rulemaking	0	1.0	0	3.0	0	(2.0)
Facility Management	9,934	14.0	10,267	17.0	(333)	(3.0)
Non-Supervisory Staff	108	6.0	60	6.0	48	0.0
Physical & Personnel Security	14,315	18.0	17,430	20.0	(3,115)	(2.0)
Travel	48	0.0	48	0.0	0	0.0
Rent & Utilities	47,409	1.0	46,721	1.0	688	0.0
Financial Management						
Mission IT	11,726	12.0	10,463	12.0	1,263	0.0
Corporate Rulemaking	0	2.0	0	0.0	0	2.0
Supervisory Staff	0	14.0	0	14.0	0	0.0
Budgeting	0	26.0	90	29.0	(90)	(3.0)
Administrative Assistants	85	4.0	176	4.0	(91)	0.0
Non-Supervisory Staff	207	3.0	0	3.0	207	0.0
Travel	95	0.0	85	0.0	10	0.0
Financial Services	2,270	21.0	2,530	23.0	(260)	(2.0)
Management controls	646	21.0	646	18.0	0	3.0
Performance Management	0	0.0	90	6.0	(90)	(6.0)
Human Resource Management						
Mission IT	1,039	2.0	1,008	4.0	31	(2.0)
Supervisory Staff	0	5.0	0	6.0	0	(1.0)
Non-Supervisory Staff	162	2.0	157	3.0	5	(1.0)
Administrative Assistants	0	1.0	0	2.0	0	(1.0)
Travel	147	0.0	147	0.0	0	0.0
Employee/Labor Relations	15	5.0	15	7.0	0	(2.0)
Policy Development & SWP	30	5.0	25	6.0	5	(1.0)
Recruitment & Staffing	5,914	22.0	5,967	23.0	(53)	(1.0)
Work Life Services	2,156	5.0	2,156	6.0	0	(1.0)
Information Management						
Mission Training	0	0.0	9,429	16.0	(9,429)	(16.0)
Content Management	0	0.0	2,639	5.0	(2,639)	(5.0)
Information Services	0	0.0	1,807	21.0	(1,807)	(21.0)
Information Security	0	0.0	1,238	10.0	(1,238)	(10.0)
Information Technology						
IM Technologies	12,963	14	0	0	12,963	14.0
IT Infrastructure	42,308	74.0	44,725	78.0	(2,417)	(4.0)
IT applications infrastructure	2,624	5.0	2,624	5.0	0	0.0
IT Security	7,136	16.0	7,035	16.0	101	0.0
Information Services	1,807	17.0	0	0.0	1,807	17.0
Information Security	348	2.0	0	0.0	348	2.0
Supervisory Staff	0	18.0	0	25.0	0	(7.0)
Non-Supervisory Staff	0	5.0	0	5.0	0	0.0
Travel	98	0.0	98	0.0	0	0.0
Administrative Assistants	408	1.0	408	1.0	0	0.0
Content Management	3,006	4.0	0	0.0	3,006	4.0
IT Strategic Management	802	20.0	983	20.0	(181)	0.0
Outreach						
Small Business & Civil Rights	457	6.0	457	8.0	0	(2.0)
Outreach & Compliance Coord. Program	462	3.0	0	0.0	462	3.0
Supervisory Staff	0	2.0	0	2.0	0	0.0

Agency Support (Corporate Support and the IG): Budgeted Resources for Professional Hourly Rate Calculation

	FY18		FY17		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
Administrative Assistants	61	1.0	61	1.0	0	0.0
Non-Supervisory Staff	0	1.0	0	1.0	0	0.0
Mission IT	18	0.0	0	0.0	18	0.0
Travel	30	0.0	30	0.0	0	0.0
Policy Support						
Mission IT	614	0.0	620	0.0	(6)	0.0
International Cooperation	0	0.0	345	3.0	(345)	(3.0)
International Policy Outreach	265	3.0	0	0.0	265	3.0
Performance Management	80	1.0	0	0.0	80	1.0
Commission	70	35.0	222	21.0	(152)	14.0
Commission Appellate Adjunct.	90	6.0	178	7.0	(88)	(1.0)
EDO Operations	10	8.0	10	8.0	0	0.0
Policy Outreach	1,005	32.0	947	35.0	58	(3.0)
Secretariat	0	17.0	0	18.0	0	(1.0)
Official Representation	25	0.0	25	0.0	0	0.0
Business Process Improvements	0	0.0	0	0.0	0	0.0
Supervisory Staff	0	14.0	0	28.0	0	(14.0)
Administrative Assistants	55	16.0	55	16.0	0	0.0
Non-Supervisory Staff	73	1.0	0	3.0	73	(2.0)
Travel	1,023	0.0	874	0.0	149	0.0
Training						
Mission IT	263	2.0	160	2.0	103	0.0
Training and Development	1,382	4.0	1,446	7.0	(64)	(3.0)
Organizational Development	0	2.0	200	2.0	(200)	0.0
Supervisory Staff	0	3.0	0	4.0	0	(1.0)
Administrative Assistants	0	1.0	0	1.0	0	0.0
IT Security	245	0.0	207	0.0	38	0.0
Non-Supervisory Staff	0	2.0	0	2.0	0	0.0
Travel	281	0.0	281	0.0	0	0.0
Business Process Improvements	0	0.0	100	1.0	(100)	(1.0)
Total Agency Support (Corporate Support and the IG) Resources	192,980	617	191,989	711	991	(94.0)
Total value of Corporate Support Resources(FY18 $194,451 contract funding + 617 FTE multiplied by S&B rate)	$ 192,980	$ 103,404	$ 191,989	$ 106,449	991	(3045.0)
Office of Inspector General	1,810	58.0	1,358	58.0	452	0.0
Total value of the Office of Inspector General Resources($1,810 contract funding + 58 FTE multiplied by S&B rate)	$ 1,810	$ 9,918	$ 1,358	$ 9,802	452	116.0
Total Agency Support (Corporate Support and the IG) Resources	$ 194,790	$ 113,322	$ 193,347	$ 116,251	1,443	(2929.0)

	FY18 Contract ($,K)	FY18 FTE	FY17 Contract ($,K)	FY17 FTE	Difference Contract ($,K)	Difference FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
International Activities						
Licensing Export/Import	0	0.0	0	1.0	0	(1.0)
Licensing						
IT Infrastructure	1,611	0.0	1,802	0.0	(191)	0.0
EDO Operations	0	1.0	0	1.0	0	0.0
Policy Outreach	0	2.0	0	1.0	0	1.0
Business Process Improvements	0	0.0	0	0.0	0	0.0
Training						
Training and Development	0	0.0	10	1.0	(10)	(1.0)
Travel						
Mission Travel	2,615	0.0	2,615	0.0	0	0.0
Support Staff						
Supervisory Staff	0	50.0	0	60.0	0	(10.0)
Support Services	0	0.0	0	0.0	0	0.0
Budgeting	0	0.0	0	0.0	0	0.0
HR Activities	0	0.0	0	0.0	0	0.0
Information Services	0	0.0	0	2.0	0	(2.0)
Admin Assistants	700	24.0	366	25.0	334	(1.0)
Non-Supervisory Staff	48	12.0	0	9.0	48	3.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
Licensing						
RIC	718	2.0	718	2.0	0	0.0
EDO Operations	0	3.0	0	3.0	0	0.0
Policy Outreach	0	3.0	0	3.0	0	0.0
Business Improvements	0	0.0	0	0.0	0	0.0
Oversight						
Mission IT	143	0.0	1,710	0.0	(1567)	0.0
IT Infrastructure	5,577	0.0	6,134	0.0	(557)	0.0
Research						
Mission IT	629	0.0	400	0.0	229	0.0
Training						
Training and Development	0	0.0	104	0.0	(104)	0.0
Business Process Improvements	0	1.0	0	1.0	0	0.0
Travel						
Mission Travel	14,445	0.0	13,595	0.0	850	0.0
Support Staff						
Supervisory Staff	0	187.0	0	207.0	0	(20.0)
Support Services	0	0.0	0	0.0	0	0.0
Budgeting	0	0.0	0	0.0	0	0.0
Procurement Operations	0	0.0	0	0.0	0	0.0
Content Management	0	0.0	1,051	4.0	(1051)	(4.0)
Information Services	0	0.0	105	6.0	(105)	(6.0)
Admin Assistants	1,302	93.0	990	93.0	312	0.0
Non-Supervisory Staff	2,139	76.0	478	61.0	1661	15.0
HR Activities	0	0.0	0	0.0	0	0.0
					0	0.0
Grand Total Nuclear Reactor Safety	29,927	454.0	30,078	480.0	(151)	(26.0)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
International Activities						
Export/Import	0	1.0	0	1.0	0	0.0
Oversight						
IT Infrastructure	407	0.0	501	0.0	(94)	0.0
Travel						
Mission Travel	1,101	0.0	1,058	0.0	43	0.0
Support Staff						
Supervisory Staff	0	16.0	0	17.0	0	(1.0)
Support Services	0	0.0	0	0.0	0	0.0
Budget	0	0.0	0	0.0	0	0.0
Content Mgmt	0	0.0	82	0.0	(82)	0.0
Admin Assistants	268	4.0	268	4.0	0	0.0
Non-Supervisory Staff	82	2.0	0	2.0	82	0.0

PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY BUSINESS LINE: NUCLEAR MATERIALS USERS						
International Activities						
Export/Import	0	0.0	0	2.0	0	(2.0)
Licensing						
EDO Operations	0	1.0	0	1.0	0	0.0
Policy Outreach	0	1.0	0	0.0	0	1.0
Oversight						
IT Infrastructure	832	0.0	905	0.0	(73)	0.0
Travel						
Mission Travel	1,790	0.0	1,465	0.0	325	0.0
Training						
Business Process Improvements	0	1.0	0	1.0	0	1.0
Support Staff						
Supervisory Staff	0	24.0	0	27.0	0	(3.0)
Support Services	0	0.0	0	0.0	0	0.0
Budget	0	0.0	0	0.0	0	0.0
Content Mgmt	0	0.0	41	0.0	(41)	0.0
Admin Assistants	0	9.0	0	9.0	0	0.0
HR Activities	0	0.0	0	0.0	0	0.0
Information Security	0	0.0	137	0.0	(137)	0.0
Information Services	0	0.0	0	1.0	0	(1.0)
Non-Supervisory Staff	497	11.0	0	13.0	497	(2.0)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
Licensing						
IT Infrastructure	346	0.0	457	0.0	(111)	0.0
Policy Outreach	0	1.0	0	1.0	0	0.0
Oversight	0	0.0	0	0.0	0	0.0
Travel						
Mission Travel	797	0.0	659	0.0	138	0.0
Support Staff						
Supervisory Staff	0	11.0	0	11.0	0	0.0
Support Services	0	0.0	0	0.0	0	0.0
Budget	0	0.0	0	0.0	0	0.0
Content Mgmt	12	0.0	12	0.0	0	0.0
Admin Assistants	0	2.0	0	2.0	0	0.0
HR Activities	0	0.0	0	0.0	0	0.0
Non-Supervisory Staff	0	2.0	0	2.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
Licensing						
IT Infrastructure	405	0.0	443	0.0	(38)	0.0
Policy Outreach	0	1.0	0	0.0	0	1.0
Oversight	0	0.0	0	0.0	0	0.0
Travel						
Mission Travel	519	0.0	494	0.0	25	0.0
Support Staff						
Supervisory Staff	0	11.0	0	11.0	0	0.0
Support Services	0	0.0	0	0.0	0	0.0
Content Mgmt	14	0.0	14	0.0	14	0.0
Budget	0	0.0	0	0.0	0	0.0
Admin Assistants	0	2.0	0	2.0	0	0.0
Non-Supervisory Staff	0	3.0	0	3.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	7,070	103.0	6,536	110	534	(7.0)
Total Mission Program Indirect Resources	36,997	557.0	36,614	590.0	383	(33.0)
Total value of Mission Program Indirect Resources(FY 18 $36,997 contract funding + 557 FTE multiplied by S&B rate)	$ 36,997	$ 97,995	$ 36,614	$ 100,705	383	(2710.1)

Part 170 Fees

Specific Services

Section II.A.2

Flat application fees are calculated by multiplying the average professional staff hours needed to process the licensing actions by the final professional hourly rate ($275 for FY 2018). 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 (professional 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 2018

FY2018 Professional Hourly Rate
$275

Materials Part 170 Fee Category	FY 2018 Estimated Professional Process Time (Hours)*	FY 2018 Fee/Cost (Professional Time x FY 2018 Professional Hourly Rate)	FY 2018 Fee/Cost (Rounded)
1. Special Nuclear Material			
1C. Industrial Gauges			
Inspection Costs**	7.7	$2,118	$2,100
New License	4.6	$1,265	$1,300
1D. All Other SNM Material, less critical mass			
Inspection Costs**	23.5	$6,464	$6,500
New License	9.3	$2,558	$2,600
2. Source Material			
2B. Shielding			
Inspection Costs**	10	$2,751	$2,800
New License	4.4	$1,210	$1,200
2C. Exempt Distribution/SM			
Inspection Costs**	14.4	$3,961	$4,000
New License	8.1	$2,228	$2,200
2D. General License Distribution			
Inspection Costs**	15.6	$4,291	$4,300
New License	9.9	$2,723	$2,700
2E. Manufacturing Distribution			
Inspection Costs**	15.6	$4,291	$4,300
New License	9.5	$2,613	$2,600
2F. All Other Source Material			
Inspection Costs**	27.7	$7,619	$7,600
New License	9.5	$2,613	$2,600
3. Byproduct Material			
3A. Mfg-Broad Scope			
Inspection Costs**	67.7	$18,622	$18,600
New License	46.8	$12,873	$12,900
3. Byproduct Material			
3A1. Mfg-Broad Scope			
Inspection Costs**	90.0	$24,767	$24,800
New License	62.2	$17,121	$17,100
3. Byproduct Material			
3A2. Mfg-Broad Scope			
Inspection Costs**	112.4	$30,912	$30,900
New License	77.7	$21,369	$21,400

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES
and Average Inspection Costs **
FY 2018

FY2018 Professional Hourly Rate
$275

3B. Mfg-Other			
Inspection Costs**	33.2	$9,132	$9,100
New License	12.9	$3,548	$3,500
3B1. Mfg-Other (sites 6-19)			
Inspection Costs**	44.156	$12,146	$12,100
New License	17.157	$4,719	$4,700
3B2. Mfg-Other (sites 20 or more)			
Inspection Costs**	55.112	$15,159	$15,200
New License	21.414	$5,890	$5,900
3C. Mfg/Distribution Radiopharmaceuticals			
Inspection Costs**	27.3	$7,509	$7,500
New License	18.7	$5,144	$5,100
3C1. Mfg/Distribution Radiopharmaceuticals			
Inspection Costs**	36.3	$9,987	$10,000
New License	24.9	$6,841	$6,800
3C2. Mfg/Distribution Radiopharmaceuticals			
Inspection Costs**	45.3	$12,465	$12,500
New License	31.0	$8,539	$8,500
3D. Distribution Radiopharmaceuticals/No Process			
Inspection Costs**	0	$0	$0
New License	0	$0	$0
3E. Irradiators/Self-Shielded			
Inspection Costs**	38.6	$10,617	$10,600
New License	11.5	$3,163	$3,200
3F. Irradiators < 10,000 Ci			
Inspection Costs**	15.7	$4,318	$4,300
New License	23.4	$6,436	$6,400
3G. Irradiators => 10,000 Ci			
Inspection Costs**	20.9	$5,749	$5,700
New License	223.2	$61,394	$61,400
3H. Exempt Distribution/Device Review			
Inspection Costs**	14.7	$4,043	$4,000
New License	23.9	$6,574	$6,600
3I. Exempt Distribution/No Device Review			
Inspection Costs**	14.4	$3,961	$4,000
New License	35.8	$9,847	$9,800
3J. General License Distribution/Device Review			
Inspection Costs**	10.5	$2,888	$2,900
New License	7.2	$1,980	$2,000

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES
and Average Inspection Costs **
FY 2018

FY2018 Professional Hourly Rate
$275

3K. General License Distribution/No Device Review			
Inspection Costs**	10.4	$2,861	$2,900
New License	4.1	$1,128	$1,100
3L. R&D-Broad			
Inspection Costs**	36.2	$9,957	$10,000
New License	19.7	$5,419	$5,400
3L1 R&D-Broad			
Inspection Costs**	48.1	$13,243	$13,200
New License	26.2	$7,207	$7,200
3L2 R&D-Broad			
Inspection Costs**	60.1	$16,529	$16,500
New License	32.7	$8,995	$9,000
3M. R&D-Other			
Inspection Costs**	22.5	$6,189	$6,200
New License	25.6	$7,042	$7,000
3N. Service License			
Inspection Costs**	39.1	$10,755	$10,800
New License	26.2	$7,207	$7,200
3O. Radiography			
Inspection Costs**	27.5	$7,564	$7,600
New License	11.4	$3,136	$3,100
3O1. Radiography			
Inspection Costs**	36.6	$10,060	$10,100
New License	15.2	$4,171	$4,200
3O2. Radiography			
Inspection Costs**	45.7	$12,557	$12,600
New License	18.9	$5,205	$5,200
3P. All Other Byproduct Material			
Inspection Costs**	26.5	$7,289	$7,300
New License	12.4	$3,411	$3,400
3P1. All Other Byproduct Material			
Inspection Costs**	35.2	$9,695	$9,700
New License	16.5	$4,536	$4,500
3P2. All Other Byproduct Material			
Inspection Costs**	44.0	$12,100	$12,100
New License	20.6	$5,662	$5,700

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES
and Average Inspection Costs **
FY 2018

FY2018 Professional Hourly Rate
$275

3R1. Radium-226 (less than or equal to 10x limits in 31.12)			
Inspection Costs**	24.2	$6,657	$6,700
New License	9.2	$2,531	$2,500
3R2. Radium-226 (more than 10x limits in 31.12)			
Inspection Costs**	16.2	$4,456	$4,500
New License	9	$2,476	$2,500
3S. Accelerator Produced Radionuclides			
Inspection Costs**	29.5	$8,114	$8,100
New License	51.1	$14,056	$14,100
4. Waste Disposal/Processing			
4B. Waste Packaging			
Inspection Costs**	24.5	$6,739	$6,700
New License	24.9	$6,849	$6,800
4C. Waste-Prepackaged			
Inspection Costs**	14.2	$3,906	$3,900
New License	18	$4,951	$5,000
5. Well Logging			
5A. Well Logging			
Inspection Costs**	34.8	$9,572	$9,600
New License	16.5	$4,539	$4,500
6. Nuclear Laundries			
6A. Nuclear Laundry			
Inspection Costs**	21.7	$5,969	$6,000
New License	79.7	$21,923	$21,900
7. Human Use			
7A. Teletherapy			
Inspection Costs**	28.9	$7,949	$7,900
New License	40	$11,003	$11,000
7. Human Use			
7A1. Teletherapy			
Inspection Costs**	38.4	$10,573	$10,600
New License	53.2	$14,633	$14,600
7. Human Use			
7A2. Teletherapy			
Inspection Costs**	48.0	$13,196	$13,200
New License	66.4	$18,264	$18,300

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES
and Average Inspection Costs **
FY 2018

FY2018 Professional Hourly Rate
$275

7B. Medical-Broad			
Inspection Costs**	48.9	$13,451	$13,500
New License	31.2	$8,582	$8,600
7B1. Medical-Broad			
Inspection Costs**	65.0	$17,889	$17,900
New License	41.5	$11,414	$11,400
7B2. Medical-Broad			
Inspection Costs**	81.2	$22,328	$22,300
New License	51.8	$14,246	$14,200
7C. Medical-Other			
Inspection Costs**	24.3	$6,684	$6,700
New License	19.9	$5,474	$5,500
8. Civil Defense			
8A. Civil Defense			
Inspection Costs**	24.2	$6,657	$6,700
New License	9.2	$2,531	$2,500
9. Device, product or sealed source evaluation			
9A. Device evaluation-commercial distribution			
Application - each device	19.5	$5,364	$5,400
9B. Device evaluation - custom			
Application - each device	32.4	$8,912	$8,900
9C. Sealed source evaluation - commercial distribution			
Application - each source	19	$5,226	$5,200
9D. Sealed source evaluation - custom			
Application - each source	3.8	$1,045	$1,000
10. Transportation			
10B. Evaluation - Part 71 QA program			
Application - approval	15.1	$4,153	$4,200
17. Master Materials License[1]			
Inspection Costs**	399.1	$109,778	$109,800
New License	416.7	$114,619	$114,600

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 2018 Biennial Review

** Inspection costs are used in computation of the Annual fees for the category

[1] Beginning with FY 2011 fee rule, the Master Materials License Part 170 application fee was eliminated. Per FSME's recommendation in their Biennial Review, the fee for a new MML license will be fully costed based on the hours spent on reviewing a new application.

Part 170 Fees

Export and Import Fees

Section II.A.2

Flat application fees are calculated by multiplying the average professional staff hours needed to process the licensing actions by the final professional hourly rate ($275 for FY 2018). 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.

Note: Because the FY 2018 enacted budget excludes international activities from the fee-recoverable budget, import and export licensing actions (see fee categories K.1. through K.5. of § 170.21 and fee categories 15.A. through 15.R. of § 170.31) will not be charged fees under the final rule. To implement this, the NRC has revised fee categories K.1. through K.5. of § 170.21 and fee categories 15.A. through 15.R. of § 170.31 and included a new footnote in these tables.

Mission Direct Budgeted Resources Allocated to Import-Export Fee Class

	FY18		FY17		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	0.0	0	1.0	0	(1.0)
Total Direct Resources	0	0.0	0	1.0	0	(1.0)
Grand Total Nuclear Reactor Safety	0	0.0	0	1.0	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	0.0	0	2.0	0	(2.0)
Total Direct Resources	0	0.0	0	2.0	0	(2.0)
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	2.0	0	(2.0)
TOTAL	0	0.0	0	3.0	0	(3.0)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$0		$1,184		($1,184)	

DETERMINATION OF EXPORT AND IMPORT PART 170 FEES
FY 2018

FY 2018 Professional Hourly Rate = $275

Export and Import Part 170 Fees Category	FY 2018 Estimated Professional Process Time (Hours)*	FY 2018 Fee/Cost (Professional Time x FY 2018 Professional Hourly Rate)	FY 2018 Fee/Cost (Rounded)
10 CFR 170.21, Category K Subcategory			
1	70	19,254	N/A
2	35	9,627	N/A
3	17	4,676	N/A
4	17	4,676	N/A
5	10	2,751	N/A
10 CFR 170.31, Category 15 Subcategory			
A	70	19,254	N/A
B	35	9,627	N/A
C	17	4,676	N/A
D	17	4,676	N/A
E	10	2,751	N/A
F	55	15,128	N/A
G	30	8,252	N/A
H	15	4,126	N/A
I	1	275	N/A
J	55	15,128	N/A
K	30	8,252	N/A
L	12	3,301	N/A
M	0	0	0
N	0	0	0
O	0	0	0
P	0	0	0
Q	0	0	0
R	5	1,375	N/A

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 ** N/A based upon 2018 appropriation language of International activities

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 2018 professional 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 2018

FY2018 Professional Hourly Rate
$275

DETERMINATION OF RECIPROCITY PART 170 FEES
FY 2018

NOTES:

The reciprocity application and revision fees are determined using FYs 2012-2015 data*, and the FY 2018 professional 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 2018 Professional Hourly Rate: **$275**

Average inspection costs: **Reciprocity Part 170 Fee** **Fee Category 16**		**Avg Inspection Costs (Avg. no. of hours for insp. x professional hourly rate)**	**Total Amount**
Inspection		$5,500	
Number of Inspections Conducted for FY12-15	76		
	0		
Total	76		$104,500
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]	$489
Amount for initial filing of NRC Form 241[Cost/Initial 241]	$600
for revisions to initial filing of NRC Form 241 [Cost/Initial 241]	$742
Total Application Fee	$1,831
Application Fee Rounded	**$1,800**

* data based on FY 2017 Biennial Review

Part 170 Fees

General License Registration Fees

Section II.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 2018

FY2018 Professional Hourly Rate
$275

DETERMINATION OF GENERAL LICENSE REGISTRATION FEE , FY 2018
(FEE CATEGORY 3Q)

NMSS GL Program		Total GL Resources	% Supporting Registrable GLs	Total Supporting Registrable GLs
budgeted FTE				
	Regions			
	HQ			0.20
budgeted contract $				
	Regions			$0
	HQ			$288,500
full cost of FTE		$415,355		$415,355
total budgeted resources, NMSS GL Program (equals full cost of FTE + contract $)				$371,571
portion of budgeted resources associated w/fee exempt GLs (nonprofit educational)				$24,895
net to be recovered				$346,676
fee assuming 525 registrable GLs				$660.33
fee, rounded				$700

Data based on the NRC budget documents and the 11/17 email from J.Rand(NMSS GL program).

Fees Collected for Prior Year

As part of the NRC's fees transformation, beginning with the FY 2018 final fee rule work papers, we have compared the FY 2017 actual Part 170 and Part 171 percentage of total collections with the estimated Part 170 and Part 171 percentage of total collections.

FEES COLLECTED FOR PRIOR YEAR

Fee Class	FY 2017 Actual Part 170-User Fees % of Total Collections for the Fee Class	FY 2017 Actual Part 171-Annual Fees % of Total Collections for the Fee Class	FY 2017 Estimated Part 170-User Fees % of Total Collections for the Fee Class	FY 2017 Estimated Part 171-Annual Fees % of Total Collections for the Fee Class
Fee Relief Activities	100%	0%	100%	0%
Fuel Facilities	27%	73%	25%	75%
Uranium recovery	90%	10%	93%	7%
Operating Power Ractors	37%	63%	38%	62%
Spent Fuel Storage/Reactor Decommissioning	28%	72%	26%	74%
Research and Test Reactors	97%	3%	84%	16%
Materials users	3%	97%	2%	98%
Transportation	69%	31%	67%	33%
Export and Import Fees	100%	0%	100%	0%
Total	36%	64%	37%	63%

As part of improving transparency of the fee setting process, NRC committed to providing more information to Identify budgeted activities being allocated to user fees or annual fees. The FY 2019 Congressional Budget Justification released February 12, 2018 identified budget Products as annual or user fees for each business line.

In addition, NRC will report fees collected for the prior fiscal year, by fee class, beginning with the FY 2018 final fee rule workpapers. Each fee class data includes distribution of fees collected as user fees (10 CFR Part 170) and annual fees (10 CFR Part 171).

Part 171 Annual Fees

Section II.B

Part 171 Annual Fees

Application of Fee-Relief Adjustment and LLW Surcharge

Section II.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 budgeted 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 (the majority is allocated to power reactors each year).

The FY 2018 budgeted resources for NRC's fee-relief activities are $83.9 million. The NRC's 10 percent fee relief amount in FY 2018 is $87.8 million, leaving a $3.9 million fee-relief credit that will decrease all licensees' annual fees based on their percentage share of the budget.

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.

Note: For FY 2018, the enacted budget excludes international activities from the fee-recoverable budget. This includes conventions and treaty activities that are not attributable to an existing NRC licensee or class of licensees, and it included international cooperation activities that are not attributable to an existing NRC licensee or class of licensees.

Fee-Relief Activity-Rebaseline

FY 2018 FEE-RELIEF ACTIVITIES AND LLW GENERIC SURCHARGE

FTE rate: $415,355

	DIRECT RESOURCES		Less Part 170	FEE AMOUNT
	$,M	FTE	materials decommissioning revenue, $ M	($,M)
TOTAL NRC				
NONPROFIT EDUCATIONAL EXEMPTION	0.50	19.8		8.726
INTERNATIONAL ACTIVITIES	0.00	0.0		0.00
SMALL ENTITY SUBSIDY				6.60
AGREEMENT STATE OVERSIGHT	1.87	27.9		13.453
REGULATORY SUPPORT TO AGREEMENT STATES	2.74	35.2		17.364
ISL RULE/GENERAL LICENSEES/MOLY99/FELLOWSHIPS & SCHOLARSHIPS	16.14	10.2		20.38
DECOMMISSIONING/RECLAMATION GENERIC	1.75	38.3	3.16	14.50
MILITARY RADIUM 226	0.00	2.8		1.16
NON-MILITARY RADIUM 226	0.00	4.1		1.70
LLW GENERIC SURCHARGE	0.32	7.5		3.44
TOTAL	23.32	145.8		87.32

To meet the 90% fee recovery requirement for FY 2018, the Fee-Relief Activities are reduced by 10% of NRC's FY 2018 net budget authority (appropriation less Non-Recoverable Fee Items1, as shown below)

	($,M)
Fee-Relief Activity (Total above less LLW generic surcharge)[2]	83.88
Budget Authority minus Non-Fee Items	878.21
Percent reduction in fee recovery amount for FY 2018	10.0%
Reduction in annual fee recovery amount for FY 2018	87.82
Delta, Fee-Relief Activity (less generic LLW) and reduction in fee recovery amt	-3.94
Generic LLW Surcharge amount	3.44
Net adjustment to fee assessments	**-0.50**

DISTRIBUTION OF ADJUSTMENT TO FEE ASSESSMENTS

	LLW GENERIC SURCHARGE		FEE-RELIEF ACTIVITIES		TOTAL ADJUSTMENT
	PERCENT	$,M	PERCENT	$,M	$,M
POWER REACTORS	75%	2.6	85.1%	-3.349	-0.769710
SPENT FUEL STORAGE/REACTOR DECOMMISSIONING	0	0	4.4%	-0.173	-0.1726
TEST AND RESEARCH REACTORS	0	0	0.3%	-0.010	-0.0102
FUEL FACILITIES	20%	0.7	4.6%	-0.182	0.5055
MATERIALS	5%	0.172	3.4%	-0.134	0.0378
TRANSPORTATION	0	0	0.5%	-0.021	-0.0212
RARE EARTH FACILITIES	0	0	0.0%	0.000	0.0000
URANIUM RECOVERY	0	0	1.7%	-0.067	-0.0672
TOTAL	100	3.44	100.0%	-3.94	**-0.50**

NOTES:

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

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

FEE RELIEF ADJUSTMENT SUPPLEMENTAL

To meet the 90% fee recovery requirement for FY 2018, the Fee-Relief Activities are reduced by 10% of NRC's FY 2018 net budget authority (appropriation less Non-Recoverable Fee Items, as shown below)

	FY 2018 ($,M)	FY 2017 ($,M)	Variance ($,M)
Fee-Relief Activity (Total previous page less LLW generic surcharge)	$83.9	$101.5	-$17.6
Budget Authority minus Excluded Fee Items	$878.2	$894.0	-$15.8
Percent reduction in fee recovery amount for FY 2018	10.0%	10.0%	-
Reduction in annual fee recovery amount for FY 2018	$87.8	$89.4	-$1.6
Delta, Fee-Relief Activity (less generic LLW) and reduction in fee recovery amount	**-$3.9**	**$12.1**	-$16.0
Generic LLW Surcharge amount	$3.4	$3.2	$0.2
Net adjustment to fee assessments	**-$0.5**	**$15.2**	-$15.7

* Individual values may not sum tot totals due to rounding.

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

	FY18		FY17		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	453	12.5	717	14.0	(264)	(1.5)
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	1	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	1	0.0	0	0.0	1	0.0
Research & Test Reactor Insp.	0	2.7	0	2.7	0	0.0
Security	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking	0	0.0	303	0.0	(303)	0.0
Training						
Fukushima NTTF	0	0.0	0	0.0	0	0.0
Mission Training	30	0.0	23	0.0	7	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	484	15.2	1,044	16.7	(560)	(1.5)
Grand Total Nuclear Reactor Safety	484	15.2	1,044	16.7	(560)	(1.5)
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	2.0	2	2.5	(0)	(0.5)
Mission IT	1	0.0	1	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Oversight						
Allegations & Investigations	0	0.5	0	0.5	0	0.0
Enforcement	3	0.4	3	0.4	0	0.0
Event Evaluation	0	0.1	0	0.0	(0)	0.1
Inspection	5	0.7	3	0.8	2	(0.1)
Mission IT	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Research						
Materials Research	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking	0	0.6	0	0.6	(0)	0.0
Training						
Mission Training	7	0.0	10	0.0	(3)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	17	4.3	18	4.8	(1)	(0.5)
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

	FY18		FY17		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	0	0.3	18	0.3	(18)	0.0
Oversight						
Inspection	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking (PL)	0	0.0	0	0.0	0	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	0	0.3	18	0.3	(18)	0.0
Grand Total Nuclear Materials & Waste Safety	17	4.6	36	5.1	(19)	(0.5)
TOTAL Nonprofit Education Exemption	502	19.8	1,080	21.8	(579)	(2.0)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$8,726		$9,681		($955)	

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

	FY18		FY17		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	0.0	0	1.0	0	(1.0)
International Cooperation	0	0.0	0	0.6	0	(0.6)
Training						
Fukushima NTTF	0	0.0	0	0.0	0	0.0
Mission Training	0	0.0	8	0.0	(8)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	8	1.6	(8)	(1.6)
Grand Total Nuclear Reactor Safety	0	0.0	8	1.6	(8)	(1.6)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
International Activities						
Conventions & Treaties	0	0.0	0	4.0	0	(4.0)
Licensing Import/Export	0	0.0	0	0.0	0	0.0
International Cooperation	0	0.0	0	1.0	0	(1.0)
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	5.0	0	(5.0)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
International Activities						
International Technical Cooperation	0	0.0	0	0.7	0	(0.7)
International Assistance	0	0.0	6,444	7.0	(6,444)	(7.0)
Travel						
International Activities Travel	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	6,444	7.7	(6,444)	(7.7)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
International Activities						
International Technical Cooperation	0	0.0	0	1.0	0	(1.0)
Conventions & Treaties	0	0.0	0	1.0	0	1.0
Mission Training						
Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	2.0	0	(2.0)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
International Activities						
International Technical Cooperation	0	0.0	100	1.0	(100)	(1.0)
Conventions & Treaties	0	0.0	0	1.0	0	(1.0)
Mission Travel					0	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	100	2.0	(100)	(2.0)
Grand Total Nuclear Materials & Waste Safety	0	0.0	6,544	16.7	(6,544)	(16.7)

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

	FY18		FY17		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
TOTAL INTERNATIONAL ACTIVITIES	0	0.0	6,552	18.3	(6,552)	(18.3)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$0		$13,772		($13,772)	

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

	FY18		FY17		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE / PRODUCTS:						
Training						
Mission Training	10	0.0	6	0.0	4	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	10	0.0	6	0.0	4	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Training						
Mission Training	28	0.2	23	0.2	5	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	28	0.2	23	0.2	5	0.0
Grand Total Nuclear Reactor Safety	38	0.2	29	0.2	9	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	0.7	0	0.0
State Tribal and Federal Programs						
Agreement States	125	27.0	125	27.0	0	0.0
Mission IT	187	0.0	187	0.0	0	0.0
Travel						
Agreement State Travel	1,159	0.0	1,139	0.0	20	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	1,471	27.7	1,451	27.7	20	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
Mission Training						
Training	356	0.0	381	0.0	(25)	0.0
Rulemaking						
Rulemaking Support	0	0.0	0	0.0		
Total Direct Resources	356	0.0	381	0.0	(25)	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	1,827	27.7	1,832	27.7	(5)	0.0
TOTAL AGREEMENT STATE OVERSIGHT	1,865	27.9	1,861	27.9	4	0.0
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$13,453		$12,868		$585	

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

	FY18		FY17		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	160	0.0	0	0.0	160	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	160	0.0	0	0.0	160	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
PRODUCT LINE/PRODUCTS:						
Event Response						
Response Operations	0	1.7	0	1.7	0	0.0
Response Programs	0	1.7	0	1.7	0	0.0
International Activities						
International Copperation	0	0.0	0	0.7	0	(0.7)
Licensing						
Licensing Actions	30	12.9	105	13.4	(75)	(0.5)
Licensing Support	242	0.2	242	0.2	0	0.0
Mission IT	305	0.0	282	0.9	23	(0.9)
Security	0	0.0	0	0.0	0	0.0
Oversight						
Allegations & Investigations	0	0.4	0	1.3	0	(0.9)
Enforcement	0	0.0	0	0.0	0	0.0
Event Evaluation	1,152	3.9	1,206	4.7	(54)	(0.8)
Inspection	6	3.9	3	6.0	3	(2.1)
Mission IT	0	0.0	0	0.0	0	0.0
Security	0	0	0	0	0	0.0
Rulemaking						
Rulemaking	0	2.7	0	2.7	0	0.0
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	0.0	0	0.3	0	(0.3)
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	848	1.7	1,200	1.7	(352)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	2,584	32.2	3,038	38.4	(455)	(6.2)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Licensing						
Uranium Recovery Enviromental Reviews	0	1.0	0	0.0	0	1.0
Uranium Recovery Lic. Actions	0	2.0	0	0.7	0	1.3
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	3.0	0	0.7	0	2.3

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

	FY18		FY17		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	2,744	35.2	3,038	39.1	(295)	(3.9)
TOTAL AGREEMENT STATE REGULATORY SUPPORT	2,744	35.2	3,038	39.1	(295)	(3.9)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$17,364		$18,464		($1,100)	

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

	FY18		FY17		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	616	6.9	1,109	6.3	(493)	0.6
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	0	0.0	168	0.0	(168)	0.0
Total Direct Resources	616	7.9	1,277	7.3	(661)	0.6
Grand Total Nuclear Reactor Safety	616	7.9	1,277	7.3	(661)	0.6
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	289	0.8	0	0.0
Oversight						
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
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	289	0.8	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 Lic. Actions	0	0.0	0	0.0	0	0.0
Rulemaking						
Rulemaking	240	1.5	240	1.5	0	0.0
Mission Training						
Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	240	1.5	240	1.5	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	529	2.3	529	2.3	0	0.0
PROGRAM: CORPORATE SUPPORT						
Outreach						
MSI Grants	0	0.0	0	0.0	0	0.0
Integrated University Program	15,000	0.0	15,000	0.0	0	0.0
Outreach & Compliance Coord. Pgm.	0	0.0	562	6.0	(562)	(6.0)
Grand Total Corporate Support	15,000	0.0	15,562	6.0	(562)	(6.0)
TOTAL ISL/MOLY99/GENERAL LICENSEES/FELLOWSHIPS & SCHOLARSHIPS	16,145	10.2	17,368	15.6	(1,223)	(5.4)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$20,381		$23,522		($3,141)	

Mission Direct Budgeted Resources Allocated to
Remediation of Non-Military Unlicensed Radium Sites

	FY18		FY17		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	0	4.1	0	0.0	0	4.1
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	0	4.1	0	0.0	0	4.1
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	4.1	0	0.0	0	4.1
TOTAL GENERIC LOW LEVEL WASTE	0	4.1	0	0.0	0	4.1
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$1,703		$0		$1,703	

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

	FY18		FY17		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	0	2.8	70	2.7	0	0.1
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	0	2.8	70	2.7	(70)	0.1
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	2.8	70	2.7	(70)	0.1
TOTAL GENERIC LOW LEVEL WASTE	0	2.8	70	2.7	(70)	0.1
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$1,163		$1,135		$28	

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

	FY18		FY17		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	0.0	0	2.0	100	2.7
Licensing						
Decomm. Enviromental Reviews	288	3.0	240	3.0	48	0.0
Decomm. Licensing Actions	1,063	24.3	993	30.5	70	(6.2)
Mission IT	45	0.0	247	0.0	(202)	0.0
Uranium Recovery Enviromental Reviews	0	0.0	0	0.0	0	0.0
Uranium Recovery Lic. Actions	200	2.0	133	3.7	67	(1.7)
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	7.0	0	0.3	0	6.7
Research						
Waste Research	150	1.0	0	0.0	150	1.0
Rulemaking						
Rulemaking	0	1.0	0	1.0	0	0.0
Total Direct Resources	1,746	38.3	1,613	40.5	133	(2.2)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
International Activities						
International Cooperation	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	1,746	38.3	1,613	40.5	133	(2.2)
TOTAL GENERIC DECOMMISSIONING & RECLAIMATION	1,746	38.3	1,613	40.5	133	(2.2)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$14,498		$14,641		($143)	

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

	FY18		FY17		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	136	5.0	11	5.0	125	0.0
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	188	1.5	0	0.0
Rulemaking Support	0	1.0	0	1.0	0	0.0
Total Direct Resources	324	7.5	199	7.5	125	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	324	7.5	199	7.5	125	0.0
TOTAL GENERIC LOW LEVEL WASTE	324	7.5	199	7.5	125	0.0
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$3,439		$3,158		$281	

Part 171 Annual Fees

Fuel Facilities

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

The FY 2018 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 $27.7 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 the fee relief surcharge.

FY 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		FUEL FACILITY ALLOCATIONS	
	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	1,283.7	81.7
CORPORATE	192,980.0	617.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	1,283.7	81.7

Figures below in $, M (unless otherwise indicated)		
(1) FY 2018 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)		35.2
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS		9.2
(3) PART 171 ALLOCATIONS (equals 1 - 2)		26.0
(4) GENERIC TRANSPORTATION RESOURCES (allocated)		1.3
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)		27.2
(6) FY 2018 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)		36.5
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)		4.63%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge		0.51
(9) Fee-Relief Adjustment and LLW Surcharge per licensee		
(10) Part 171 billing adjustments		-0.05
(11) USAID Adjustments		-0.003
(12) TOTAL FY 2018 ANNUAL FEE (equals 5+8+10+11)		27.71
(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 $):	415,355	

Mission Direct Budgeted Resources for
Fuel Facilities Fee Class

	FY18		FY17		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
PRODUCT LINE / PRODUCTS:						
Oversight						
Training						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Oversight						
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	2.0	0	0.0
International Activities						
International Cooperation	0	0.0	0	1.0	0	(1.0)
Licensing						
Emergency Preparedness	0	1.0	0	1.0	0	0.0
Environmental Reviews	300	1.0	167	1.0	133	0.0
Fukushima NTTF	0	0.0	0	0.0	0	0.0
Licensing Actions	412	27.0	605	27.0	(193)	0.0
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	0.0	0	0.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	10	3.0	10	2.0	0	1.0
Inspection	0	30.0	0	30.0	0	0.0
NSPDP Training	0	1.0	0	1.0		
Mission IT	0	0.0	0	0.0	0	0.0
Security	312	7.0	337	7.0	(25)	0.0
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	23	7.0	0	0.0
Rulemaking support	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Training						
Mission Training	125	0.0	401	0.0	(276)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	1,212	81.0	1,573	81.0	(361)	0.0
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
Enforcement						
Event Evaluation	0	0.0	0	0.0	0	0.0
Inspection	6	0.0	3	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	53	0.2	75	0.2	(22)	0.0
Total Direct Resources	59	0.7	78	0.7	(19)	0.0

Mission Direct Budgeted Resources for
Fuel Facilities Fee Class

	FY18		FY17		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
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	13	0.0	16	0.0	(3)	0.0
Total Direct Resources	13	0.0	16	0.0	(3)	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	1,284	81.7	1,667	81.7	(383)	0.0
TOTAL FUEL FACILITY	1,284	81.7	1,667	81.7	(383)	0.0
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	35,218		33,900		$1,318	

USING 10/17 MATRIX

FUEL FACILITY ANNUAL FEES
FY 2018

Part 171 Amount	$27,249,304
Less Billing Adjustment	-46,317
Less Recission Adjustment	-2,824
TOTAL	$27,200,163

	SAFETY	SAFEGUARDS	TOTAL	FEE-RELIEF	TOTAL ANNUAL FEE
Allocation of Part 171 Amount to Safety/Safeguards	$14,971,848	$12,228,315	$27,200,163	$505,504	$27,705,667

EFFORT FACTORS

FEE CATEGORY		NUMBER OF LICENSES	Safety	%	Safeguards	%	Total	%
1A(1)(a)	SSNM (HEU)	2	88	46.1%	96	61.5%	184	53.0%
1A(1)(b)	SNM (LEU)	3	70	36.6%	30	19.2%	100	28.8%
1A(2)(a)	LIMITED OPS (Paducah)	0	0	0.0%	0	0.0%	0	0.0%
1A(2)(b)	OTHERS (Gas centrifuge enrichment demonstration)	0	0	0.0%	0	0.0%	0	0.0%
1A(2)(c)	OTHERS (hot cell facility)	0	0	0.0%	0	0.0%	0	0.0%
1E	ENRICHMENT	1	21	11.0%	23	14.7%	44	12.7%
2A(1)	UF6 (Honeywell)	1	12	6.3%	7	4.5%	19	5.5%
	TOTAL	7	191	100.0%	156	100%	347	100%
	% of total		55.0%		45.0%			

ALLOCATION to CATEGORY

Fee Category			(1)	(2)	(3)	(4)	(5) TOTAL ANNUAL FEE PER LICENSE	FY 2018 Annual Fee Rounded	FY 2017 Annual Fee	% inc./dec.	GRAND TOTALS	
1A(1)(a)	SSNM (HEU)	2	$6,898,024	$7,525,117	$14,423,141	$268,048	$7,345,595	**$7,346,000**	**$7,255,000**	1.3%	14,691,189	$14,692,000
1A(1)(b)	SNM (LEU)	3	5,487,065	2,351,599	7,838,664	$145,678	$2,661,447	**$2,661,000**	**$2,629,000**	1.2%	7,984,342	$7,983,000
1A(2)(a)	LIMITED OPS (Paducah)	0	0	0	0	$0	$0	**$0**	**$0**	0.0%	0	$0
1A(2)(b)	OTHERS (Gas centrifuge enrichment demonstration)	0	0	0	0	$0	$0	**$0**	**$1,366,000**	-100.0%	0	$0
1A(2)(c)	OTHERS (hot cell facility)	0	0	0	0	$0	$0	**$0**	**$710,000**	-100.0%	0	$0
1E	ENRICHMENT	1	1,646,119	1,802,893	3,449,012	$64,098	$3,513,110	**$3,513,000**	**$3,470,000**	1.2%	3,513,110	$3,513,000
2A(1)	UF6 (Honeywell)	1	940,640	548,706	1,489,346	$27,679	$1,517,025	**$1,517,000**	**$1,498,000**	1.3%	1,517,025	$1,517,000
											0	
		7	$14,971,848	$12,228,315	$27,200,163	$505,504					27,705,667	$27,705,000

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 + Col 5 / number of licensees

NRC FUEL CYCLE FACILITIES
FY 2018 ANNUAL FEES - EFFORT FACTOR MATRIX
Sept 2017

CATEGORY	LICENSEE	DOCKET	FEE CATEGORY	PROCESSES: SOLID UF6/METAL S	SOLID UF6/METAL SG	ENRICHMENT S	ENRICHMENT SG	LIQUID UF6 S	LIQUID UF6 SG	HEU DOWN BLEND S	HEU DOWN BLEND SG	CONVERSION POWDER S	CONVERSION POWDER SG	PELLET S	PELLET SG	ROD/ BUNDLE S	ROD/ BUNDLE SG	SCRAP/ WASTE S	SCRAP/ WASTE SG	HOT CELL S	HOT CELL SG	SENSITIVE INFORMATION S	SENSITIVE INFORMATION SG	SUBTOTALS S	SUBTOTALS SG	TOTAL	
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-2015)*	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	None		1A(2)(b)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hot Cell	None		1A(2)(c)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
																								TOTALS	191	156	347

S = Safety
SG = Safeguards

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

Changes from Prior Year:

No Changes	2
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.
6 There are no Enrichment Demonstration licensees because Lead Cascade ceased operations and began decommissioning.
7 There are no Hot Cell licensees because GE Vallecitos was reclassified as a non-fuel facility.

**** 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.**

for 9/13/17

Division Director, FCSE

Part 171 Annual Fees

Uranium Recovery Facilities

Section II.B.2.b

Table IX
Table X
Table XI
Table XII

The total FY 2018 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 $491,000 (rounded).

Of the required annual fee collections, $122,000 is assessed to DOE's Uranium Mill Tailings Radiation Control Act (UMTRCA) under fee category 18.B. The remaining $369,000 (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 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		URANIUM RECOVERY ALLOCATIONS	
	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	2,033.0	27.5
CORPORATE	192,980.0	617.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	2,033.0	27.5

Figures below in $, M (unless otherwise indicated)		
(1) FY 2018 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)		13.46
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS		12.88
(3) PART 171 ALLOCATIONS (equals 1 - 2)		0.58
(4) GENERIC TRANSPORTATION RESOURCES (allocated)		
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)		0.58
(6) FY 2018 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)		13.46
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)		1.71%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge		-0.07
(9) Fee-Relief Adjustment and LLW Surcharge per licensee		
(10) Part 171 billing adjustments		-0.02
(11) USAID Adjustments		-0.001
(12) TOTAL FY 2018 ANNUAL FEE (equals 5+8+10+11)		0.49
(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 $): 415,355		

Mission Direct Budgeted Resources for
Uranium Recovery Fee Class

	FY18		FY17		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	0	0.8	0	0.0
Uranium Recovery Envir. Reviews	1,946	7.0	2,192	7.8	(246)	(0.8)
Uranium Recovery Lic. Actions	60	14.0	127	14.8	(67)	(0.8)
Oversight						
Inspection	0	4.7	0	5.8	0	(1.1)
Mission Training						
Training	27	0.0	28	0.0	(1)	0.0
Total Direct Resources	2,033	26.5	2,347	29.2	(314)	(2.7)
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	2,033	27.5	2,347	30.2	(314)	(2.7)
TOTAL URANIUM RECOVERY	2,033	27.5	2,347	30.2	(314)	(2.7)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$13,455		$14,262		($807)	

URANIUM RECOVERY ANNUAL FEES
FY 2018

	TOTAL
TOTAL ANNUAL FEE AMOUNT (excl. fee-relief adjustment):	$558,153
TOTAL FEE-RELIEF ADJUSTMENT:	-67,241
TOTAL:	$490,913

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	0.90	$415,355	-$292,899	$80,921
	10% x (Total Annual Fee Amount (excl. Fee-Relief) less UMTRCA)					$47,723
	10% of Fee-Relief Activities					-$6,724
					Total:	$121,920
					DOE's Annual Fee Rounded:	$122,000

GROUP 2
Calculation of Annual Fee Amount for Remaining UR Licensees

	FY 2018 Total Fee
Remaining Annual Fee Amount (excl. Fee-Relief Adjustment):	$429,509
Remaining Fee Relief Adjustment (90%):	-$60,517
Total:	$368,992

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 2018 Annual Fee Rounded	FY17 Fee	% Inc./dec.	GRAND TOTAL
Conventional & Heap Leach Mills	2.A.(2)(a)	1	150	150	11%	$45,211	$45,211	-$6,370	$38,841	**$38,800**	**$38,900**	-0.26%	$38,841
Basic In-situ Recovery Facilities	2.A.(2)(b)	5	190	950	67%	$286,339	$57,268	-$8,069	$49,199	**$49,200**	**$49,200**	0.00%	$245,995
Expanded In-situ Recovery Facilities	2.A.(2)(c)	1	215	215	15%	$64,803	$64,803	-$9,131	$55,673	**$55,700**	**$55,700**	0.00%	$55,673
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%	$25,620	$25,620	-$3,610	$22,010	**$22,000**	**$22,000**	0.00%	$22,010
Uranium Water Treatment Facility	2.A.(5)	1	25	25	2%	$7,535	$7,535	-$1,062	$6,474	**$6,500**	**$6,500**	0.00%	$6,474
TOTAL		9	665	1,425	100%	$429,509							$368,992
												DOE	$121,920
												Total	$490,913

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

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 FY18 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 II.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 2018 annual fee of $4,333,000 per reactor. Additionally, each power reactor licensed to operate would be assessed the FY 2018 spent fuel storage/reactor decommissioning annual fee of $198,000. This results in a total FY 2018 annual fee of $4,531,000 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 2018 for this type of licensee.

FY 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		POWER REACTORS ALLOCATIONS	
	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	76,663.0	1,423.2
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	450.7	4.0
CORPORATE	192,980.0	617.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	77,113.7	1,427.2

Figures below in $, M (unless otherwise indicated)	
(1) FY 2018 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)	669.9
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS	239.6
(3) PART 171 ALLOCATIONS (equals 1 - 2)	430.4
(4) GENERIC TRANSPORTATION RESOURCES (allocated)	0.3
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)	430.6
(6) FY 2018 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)	670.2
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)	85.08%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge	-0.8
(9) Fee-Relief Adjustment and LLW Surcharge per licensee	-0.01
(10) Part 171 billing adjustments	-0.85
(11) USAID Adjustments	-0.05
(12) TOTAL FY 2018 ANNUAL FEE (equals 5+8+10+11)	428.9
(13) Number of Licensees	99
(14) Fee Per License (equals 12/13)	4.33
unrounded annual fee amount per license, actual $	4,332,774
rounded annual fee, actual $	4,333,000
FTE RATE (average based on budget data, actual $): 415,355	

Mission Direct Budgeted Resources Allocated to Power Reactors Fee Class

	FY18		FY17		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	60	5.0	(60)	(5.0)
Licensing						
Advanced Reactors	0	0.0	0	0.0	0	0.0
Combined Licenses	0	1.0	275	19.0	(275)	(18.0)
Design Certification	2,408	68.0	1,821	73.0	587	(5.0)
Early Site Permit	1,380	17.0	214	19.0	1,166	(2.0)
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Fukushima NTTF	0	0.0	0	0.0	0	0.0
Licensing Actions	325	23.0	343	32.0	(18)	(9.0)
Licensing Support	2,827	54.0	1,158	52.0	1,669	2.0
Mission IT	1,999	5.0	1,676	5.0	323	0.0
New Reactor Facilities	0	0.0	0	0.0	0	0.0
NSPDP Training	0	2.0	0	2.0	0	0.0
Operator Licensing	0	11.0	0	11.0	0	0.0
Pre-Application Reviews	0	6.0	0	1.0	0	5.0
Part 50	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Oversight						
Allegations & Investigations	0	8.9	0	11.0	0	(2.1)
Construction Inspection	210	37.0	270	55.0	(60)	(18.0)
Emergency Preparedness	0	1.0	0	1.0	0	0.0
Enforcement	6	3.0	6	3.0	0	0.0
Mission IT	0	0.0	0	0.0	0	0.0
NSPDP Training	0	1.0	0	1.0	0	0.0
Part 50	0	0.0	0	0.0	0	0.0
Security	600	4.0	600	4.0	0	0.0
Vendor Inspection	40	20.0	70	26.0	(30)	(6.0)
Research						
Adv. Reactors Research	0	0.0	400	1.0	(400)	(1.0)
Long term Research	0	0.0	0	0.0	0	0.0
New Reactors Research	3,236	12.0	1,875	11.0	1,361	1.0
Rulemaking						
Rulemaking (PL)	100	7.0	0	5.0	100	2.0
Security	0	0.0	0	0.0	0	0.0
Rulemaking Support	0	1.0	0	1.0	0	0.0
Training						
Mission Training	1,021	10.0	649	12.0	372	(2.0)
Mission IT	30	0.0	30	0.0	0	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	14,182	291.9	9,447	350.0	4,735	(58.1)
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Event Response						
Mission IT	7,010	11.0	6,031	5.0	979	6.0
Other Response Activities	0	0.0	986	0.0	(986)	0.0
Response Operations	175	19.0	300	20.0	(125)	(1.0)
Response Program	0	15.0	0	15.0	0	0.0
International Activities						
International Cooperation	0	0.0	0	15.4	0	(15.4)
Licensing						
Emergency Preparedness	0	10.0	0	10.0	0	0.0
Generic Issues Program	0	0.0	0	0.0	0	0.0
Fukushima NTTF/Japan Lessons Learned	1,650	35.0	1,650	67.0	0	(32.0)
License Renewal	960	39.0	1,095	44.0	(135)	(5.0)
Licensing Actions	4,199	160.0	3,527	146.0	672	14.0
Licensing Support	3,956	55.0	3,607	43.0	349	12.0
Mission IT	244	0.0	244	0.0	0	0.0
NSPDP Training	0	4.0	0	2.0	0	2.0
Operator Licensing	255	35.0	255	35.0	0	0.0
Research & Test Reactors	0	0	0	0	0	0.0
Security	750	13	634	13	116	0.0
Oversight						
Allegations & Investigations	25	49.9	25	51.0	0	(1.1)
Emergency Preparedness	0	21.0	0	21.0	0	0.0
Enforcement	116	16.6	117	18.8	(1)	(2.2)
Event Evaluation	0	41.0	55	43.0	(55)	(2.0)
Fukushima NTTF	0	5.0	0	6.0	0	(1.0)
Inspection	2,547	329.0	2,996	337.0	(449)	(8.0)
Mission IT	3,039	6.0	4,762	8.0	(1,723)	(2.0)
NSPDP Training	0	5.0	0	13.0	0	(8.0)
Research & Test Reactor Insp.	0	0.0	0	0.0	0	0.0

Mission Direct Budgeted Resources Allocated to
Power Reactors Fee Class

	FY18		FY17		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
Security	3,659	58.0	3,559	58.0	100	0.0
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
Aging & Materials Research	6,319	20.0	0	0.0	6,319	20.0
Digital I&C & Electrical Res.	0	0.0	0	0.0	0	0.0
Engineering Research	5,910	24.0	0	0.0	5,910	24.0
Fire Safety Research	0	0.0	0	0.0	0	0.0
Fukushima NTTF	0	0.0	0	0.0	0	0.0
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	1,797	2.0	1,477	2.0	320	0.0
NSPDP Training	0	2.0	0	2.0	0	0.0
Operational Events Analysis	0	0.0	0	0.0	0	0.0
Reactor Research	0	7.0	20,031	116.0	(20,031)	(109.0)
Reactor Safety Codes & Analysis	0	0.0	0	0.0	0	0.0
Risk Analysis	11,053	51.0	0	0.0	11,053	51.0
Systems Analysis Research	3,842	19.0	0	0.0	3,842	19.0
Seismic & Structural Research	0	0.0	0	0.0	0	0.0
Rulemaking						
Fukushima NTTF/Japan Lessons Learned	0	0.0	150	5.0	(150)	(5.0)
Rulemaking (PL)	730	32.0	325	32.0	405	0.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Rulemaking Support	350	16.0	250	14.0	100	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	116	0.0	122	0.0	(6)	0.0
Mission Training	3,554	24.8	3,188	24.8	366	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	62,481	1131.3	55,611	1,173.0	6,870	(41.7)
Grand Total Nuclear Reactor Safety	76,663	1423.2	65,058	1,523.0	11,605	(99.8)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Research						
Materials Research	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						
Multilateral/Bilateral	0	0.0	0	0.0	0	0.0
Oversight						0.0
Inspection	6	0.0	3	0.0	3	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	1.0	0	0.0
Training						0.0
Mission Training	145	0.2	205	0.2	(60)	0.0
Total Direct Resources	151	1.2	208	1.2	(57)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
Licensing						
Decomm. Licensing Actions	0	1.0	0	1.0	0	0.0
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	7	0.0	8	0.0	(1)	0.0
Total Direct Resources	7	1.0	8	1.0	(1)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
International Activities						
International Cooperation	0	0.0	0	0.0	0	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	0	0	0	0.0
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

	FY18		FY17		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
Research						
Waste Research	0	0.0	685	3.0	(685)	(3.0)
Rulemaking						
Rulemaking (PL)	293	0.8	9	2.5	284	(1.7)
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	293	1.8	694	6.5	(401)	(4.7)
Grand Total Nuclear Materials & Waste Safety	451	4.0	910	8.7	(459)	(4.7)
TOTAL POWER REACTORS	77,114	1,427.2	65,968	1,531.7	11,146	(104.5)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	669,908		670,268		($360)	

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 2018

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)	$669,909,046
ANNUAL FEE PER REACTOR (rounded) (BUDGETED COSTS DIVIDED BY 100 OPERATING POWER REACTORS)	$ 4,333,000
PLUS SPENT FUEL STORAGE/ REACTOR DECOMMISSIONING ANNUAL FEE	$198,000
TOTAL ANNUAL FEE PER LICENSE	$4,531,000

05/10/2018

Part 171 Annual Fees

Spent Fuel Storage/Reactor Decommissioning

Section II.B.2.d

Table XIV

For FY 2018, budgeted costs of approximately $24.2 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 2018 annual fee of $198,000 per licensee.

FY 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		SPENT FUEL STORAGE/ REACTOR DECOMM. ALLOCATIONS	
	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	2.0	0.4
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	4,273.7	70.7
CORPORATE	192,980.0	617.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	4,275.7	71.1

Figures below in $, M (unless otherwise indicated)	
(1) FY 2018 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)	33.8
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS	10.2
(3) PART 171 ALLOCATIONS (equals 1 - 2)	23.7
(4) GENERIC TRANSPORTATION RESOURCES (allocated)	0.7
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)	24.4
(6) FY 2018 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)	34.5
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)	4.39%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge	-0.173
(9) Fee-Relief Adjustment and LLW Surcharge per licensee	0.00
(10) Part 171 billing adjustments	-0.04
(11) USAID Adjustments	-0.003
(12) TOTAL FY 2018 ANNUAL FEE (equals 5+8+10+11)	24.17
(13) Number of Licensees	122
(14) Fee Per License (equals 12/13)	0.198
unrounded annual fee amount per license, actual $	198,143
rounded annual fee, actual $	198,000
FTE RATE (average based on budget data, actual $): 415,355	

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

	FY18		FY17		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	0.1	0	0.0	(0)	0.1
Total Direct Resources	0	0.1	0	0.0	0	0.1
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
PRODUCT LINE/PRODUCTS:						
Oversight						
Allegations & Investigations	0	0.1	0	0.0	0	0.1
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	1	0.2	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	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	0.3	2	0.1	(0)	0.2
Grand Total Nuclear Reactor Safety	2	0.4	2	0.1	(0)	0.3
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	0.1	0	0.0	0	0.1
Enforcement	2	0.4	2	0.3	0	0.1
Inspection	6	0.0	3	0.0	3	0.0
Rulemaking						
Rulemaking	0	0.0	0	0.0	0	0.0
State, Tribal and Federal Pro.						
Liaison	0	0.0	0	0.0	0	0.0
Training						
Mission Training	30	0.0	42	0.0	(12)	0.0
Total Direct Resources	38	0.5	47	0.3	(9)	0.2
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
PRODUCT LINE/PRODUCTS:						
International						
International Cooperation	0	0.0	0	1.0	0	0.0
Licensing						
Decommissioning Licensing Actions	0	1.0	0	0.0	0	1.0
Oversight						
Inspection	0	6.3	0	9.9	0	(3.6)
Mission Training						
Training	240	0.0	258	0.0	(18)	0.0
Total Direct Resources	240	7.3	258	10.9	(18)	(3.6)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
International Activities						
International Cooperation	0	0.0	90	0.5	(90)	(0.5)
Licensing						
Emergency Preparedness	0	1	0	0	0	1.0
Environmental Reviews	2207	4	348	4	1,859	0.0
Fukushima NTTF	0	0	0	0	0	0.0
Licensing Actions	155	1	15	1	140	0.0
Licensing Support	468	11	78	8	390	3.0
Mission IT	344	0.6	262	0.6	82	0.0
Security	0	3	0	3	0	0.0
Storage Licensing	45	23	135	20	(90)	3.0
Transportation Certification	0	0	0	0	0	0.0
Oversight						
Security	0	3	0	2	0	1.0
Inspection	0	8.5	0	8.5	0	0.0
Research						

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

	FY18		FY17		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
Waste Research	730	2.0	1,303	3.0	(573)	(1.0)
Rulemaking						
Rulemaking (PL)	0	4.0	0	4.0	0	0.0
Rulemaking Support	32	0.8	1	2.5	31	(1.7)
Security	0	0.0	0	0.0	0	0.0
Training						
Mission Training	15	0.0	13	0.0	2	0.0
NSPDP Training	0	1.0	0	0.0	0	1.0
Travel						
Mission Travel	0	0	0	0	0	0.0
Total Direct Resources	3,996	62.9	2,245	57.1	1,751	5.8
Grand Total Nuclear Materials & Waste Safety	4,273.7	70.7	2,549.9	68.3	1,724	2.4
TOTAL SPENT FUEL STORAGE & REACTOR DECOMM.	4,275.7	71.1	2,552	68.4	1,724	2.7
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$33,807		$29,538		$4,270	

SPENT FUEL STORAGE/REACTOR DECOMMISSIONING
ANNUAL FEE
FY 2018

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
Fort 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 $24.2 million (including the fee-relief activities) by the total number of licensees (122). This results in an annual fee (rounded) of $198,000 per license.

Part 171 Annual Fees

Research and Test Reactors

Section II.B.2.e

Table XV

Approximately $325,000 in budgeted costs is to be recovered through annual fees assessed to the research and test reactor class of licenses for FY 2018. 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 2018 annual fee of $81,300 for each licensee.

FY 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		TEST AND RESEARCH REACTORS ALLOCATIONS	
	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	388.6	3.9
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	0.5	0.0
CORPORATE	192,980.0	617.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	389.1	3.9

Figures below in $, M (unless otherwise indicated)		
(1) FY 2018 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)		2.009
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS		1.698
(3) PART 171 ALLOCATIONS (equals 1 - 2)		0.311
(4) GENERIC TRANSPORTATION RESOURCES (allocated)		0.027
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)		0.338
(6) FY 2018 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)		2.036
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)		0.26%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge		-0.0102
(9) Fee-Relief Adjustment and LLW Surcharge per licensee		-0.0025
(10) Part 171 billing adjustments		-0.003
(11) USAID Adjustments		0.000
(12) TOTAL FY 2018 ANNUAL FEE (equals 5+8+10+11)		0.325
(13) Number of Licensees		4
(14) Fee Per License (equals 12/13)		0.0813
unrounded annual fee amount per license, actual $		81,329
rounded annual fee, actual $		81,300
FTE RATE (average based on budget data, actual $):	415,355	

Mission Direct Budgeted Resources for
Test and Research Reactors Fee Class

	FY18		FY17		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	384	3.6	367	3.7	17	(0.1)
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	0.3	0	0.0
Rulemaking						
Rulemaking (PL)	0	0.0	34	0.0	(34)	0.0
Training						
Mission Training	4	0.0	3	0.0	2	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	389	3.9	403	4.0	(15)	(0.1)
Grand Total Nuclear Reactor Safety	389	3.9	403	4.0	(15)	(0.1)
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	1	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	1	0.0	0	0.0	1	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	1	0.0	0	0.0	1	0.0
TOTAL TEST & RESEARCH REACTORS	389.1	3.9	403	4.0	(14)	(0.1)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$2,009		$1,982		$27	

TEST AND RESEARCH REACTOR ANNUAL FEE

FY 2018 FEE RULE

DETERMINATION OF THE FY 2018 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	$325,317
ANNUAL FEE PER LICENSE (rounded) (Budgeted costs divided by number of test and research reactor licensees subject to annual fee)	$81,300

Part 171 Annual Fees

Rare Earth Facilities

Section II.B.2.f

During FY 2016 NRC did receive an application under the Rare Earth fee class 2.A. (2)(f). However, no FY 2018 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 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		RARE EARTH ALLOCATIONS	
	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	0.0	0.0
CORPORATE	192,980.0	617.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	0.0	0.0

Figures below in $, M (unless otherwise indicated)		
(1) FY 2018 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)		0.00
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS		0.00
(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 2018 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) USAID Adjustments		0.0000
(12) TOTAL FY 2018 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 $): 415,355		

Mission Direct Budgeted Resources for Rare Earth Fee Class

	FY18			FY17			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	0.0		0	0.0
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	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 RARE EARTH	0	0.0		0	0.0		0	0.0
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$0			$0.0			$0	

Part 171 Annual Fees

Materials Users

Section II.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/ Inspection Priority)] + Inspection Multiplier x (Average Inspection Cost / Inspection Priority) + Unique Category Costs.

To equitably and fairly allocate the $32.4 million in FY 2018 budgeted costs to be recovered in annual fees assessed to the approximately 2,600 diverse materials users licensees, the NRC continues to calculate the annual fees for each fee category within this class based on the 10 CFR 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 material license, this approach provides a proxy for allocating the generic and other regulatory costs to the diverse fee categories. This fee calculation method also considers the inspection frequency (priority), which is indicative of the safety risk and resulting regulatory costs associated with the categories of licenses.

FY 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		MATERIALS ALLOCATIONS	
	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	18.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	598.0	75.7
CORPORATE	192,980.0	617.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	616.0	75.7

Figures below in $, M (unless otherwise indicated)		
(1) FY 2018 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)		32.1
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS		0.9
(3) PART 171 ALLOCATIONS (equals 1 - 2)		31.1
(4) GENERIC TRANSPORTATION RESOURCES (allocated)		1.3
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)		32.4
(6) FY 2018 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)		33.4
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)		3.41%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge		0.04
(9) Fee-Relief Adjustment and LLW Surcharge per licensee		
(10) Part 171 billing adjustments		-0.03
(11) USAID Adjustments		-0.002
(12) TOTAL FY 2018 ANNUAL FEE (equals 5+8+10+11)		32.44
(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 $):	415,355	

Mission Direct Budgeted Resources for Materials Fee Class

	FY18		FY17		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	18	0.0	4	0.0	14	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	18	0.0	4	0.0	14	0.0
Grand Total Nuclear Reactor Safety	18	0.0	4	0.0	14	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
PRODUCT LINE/PRODUCTS:						
Training						
Mission Training	19	0.0	27	0.0	(8)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	19	0.0	27	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	0.0	0	3.6	0	(3.6)
Licensing						
Licensing Actions	27	24.1	43	27.1	(16)	(3.0)
Licensing Support	45	0.0	45	0.0		
Mission IT	50	0.0	45	0.1	5	(0.1)
NSPDP Training	0	2.0	0	2.0	0	0.0
Security	0	1.0	0	0.0	0	1.0
Oversight						
Allegations & Investigations	0	11.0	0	11.2	0	(0.2)
Enforcement	41	10.0	41	11.3	(0)	(1.3)
Event Evaluation	188	3.0	193	3.3	(6)	(0.3)
Inspection	1	17.4	1	21.2	1	(3.8)
Mission IT	0	0.0	0	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Research						
Materials Research	0	0.3	0	0.0	0	0.3
Rulemaking						
Rulemaking	0	3.7	0	1.7	0	2.0
Rulemaking Support	0	0.8	0	0.8	0	0.0
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	208	0.7	293	0.7	(85)	0.0
NSPDP Training	0	1.0	0	0.0	0	1.0
Total Direct Resources	559	75.7	661	83.7	(102)	(8.0)
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
Mission Training						
Training	20	0.0	24	0.0	(4)	0.0
Total Direct Resources	20	0.0	24	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

Mission Direct Budgeted Resources for Materials Fee Class

	FY18		FY17		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	598	75.7	712	83.7	(114)	(8.0)
TOTAL MATERIAL USERS	616.0	75.7	716	83.7	(100)	(8.0)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$32,058		$33,738		($1,680)	

FY 2018 Materials Users Annual Fees

REBASELINE

License Fee Category	Billed at FY 2017 Fee	NUMBER OF LICENSES FY 2018 Billed at FY 2018 Fee	Less Agree. State Transfer Adjust	(1) Total For FY 2018	(2) Part 170 Fees($) Appl.	Insp.	Insp. Prior.	(5) Calc. of General Multiple (No. of licenses x (Appl fee + insp fee/insp priority)	(6) Calc. of Insp. Multiple (No. of licenses x insp fee/insp priority)	(7) Part 171 Base Fee Per License ($) General Annual fee multiplier*(App l fee + insp fee/insp priority) See below for calculation of annual fee multiplier	Unique See below for Calculati on of Unique	Inspection multiplier*(i nsp fee/insp priority) See below for calculation of insp.	Total Base Fee per license (General+u nique+Insp ection)	(11) Adjustment per License LLW Surcharge (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.)	(12) Total Exact Annual Fee per license (Total Base Fee+ LLW Surcharge + Fee-Relief)	(13) Total Collections Base Fee ($,K)	(14) Total Collections TOTAL ($,K) Total Base Fee + LLW Surcharge + Fee-Relief)	(15) Number of Sm Entity	Real Sm Entity	Small Entity Subsidy Diff between annual fee and small entity fee x no. of small entities		FY 2018 Annual Fee (Rounded)
																						4100	
																						850	
SPECIAL NUCLEAR MATERIAL:																							
1C. Industrial Gauges	0	4	0	4.0	1,300	2,100	5	6880	1680	2342		582	2,924		-13	2,911	12	12	0	0	-		2,900
1D. Other SNM less critical quantity	0	47	0	47.0	2,600	6,500	5	183300	61100	5310		1802	7,112	466	-29	7,549	334	355	8	1	33,850		7,500
1F. Other SNM greater than critical quantity	0	2	0	2.0	2,600	1,700	3	6333	1133	4312		785	5,097	466	-23	5,540	10	11	1	0	1,400		5,500
SOURCE MATERIAL:																							
2B. Shielding	0	8	0	8.0	1,200	2,800	5	14080	4480	2396		776	3,173		-13	3,160	25	25	1	0	-		3,200
2C. Exempt Distribution/SM	0	18	0	18.0	2,200	4,000	5	54000	14400	4085		1109	5,194		-22	5,171	93	93	3	2	12,000		5,200
2D. Distribution to General License/SM	0	1	0	1.0	2,700	4,300	5	3560	860	4847		1192	6,039		-26	6,013	6	6	0	0	-		6,000
2E. Manufacturing Distribution	0	1	0	1.0	2,600	4,300	3	4033	1433	5492		1986	7,478		-30	7,449	7	7	0	0	-		7,400
2F. Other Source Materials	0	38	0	38.0	2,600	7,600	4	171000	72200	6127		2633	8,760	466	-33	9,193	333	349	5	0	25,500		9,200
BYPRODUCT MATERIAL:																							
3A. Manufacturing - Broad(Locations 1-5)	0	1	0	1.0	12,900	18,800	4	17550	4650	23896		6445	30,340	466	-129	30,678	30	31	0	0	-		30,700
3A1. Manufacturing - Broad(sites 6-19)	0	1	0	1.0	17,100	24,800	4	23300	6200	31725		8593	40,318	466	-171	40,613	40	41	0	0	-		40,800
3A2. Manufacturing - Broad (sites 20 or more)	0	1	0	1.0	21,400	30,900	4	29125	7725	39656		10706	50,363	466	-214	50,815	50	51	0	0	-		50,800
3B. Manufacturing - Other	0	30	0	30.0	3,500	9,100	4	173250	68250	7863		3153	11,016	466	-42	11,440	330	343	8	8	142,800		11,400
3B1. Manufacturing - Other (sites 6-19)	0	1	0	1.0	4,700	12,100	4	7725	3025	10518		4192	14,711	466	-57	15,120	15	15	0	0	-		15,100
3B2. Manufacturing - Other (sites 20 or more)	0	1	0	1.0	5,900	15,200	4	9700	3800	13207		5266	18,474	466	-71	18,869	18	19	0	0	-		18,900
3C. Radiopharmaceuticals - Manuf./Process	0	34	0	34.0	5,100	7,500	5	224400	51000	8986		2079	11,065	466	-48	11,483	376	390	10	2	95,300		11,500
3C1. Radiopharmaceuticals - Manuf./Process (sites 6-19)	0	2	0	2.0	6,800	10,000	5	17600	4000	11982		2772	14,754	466	-65	15,155	30	30	0	0	-		15,200
3C2. Radiopharmaceuticals - Manuf./Process (sites 20 or more)	0	1	0	1.0	8,500	12,500	5	11000	2500	14977		3465	18,442	466	-81	18,828	18	19	0	0	-		18,800
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	57	0	57.0	3,200	10,600	5	303240	120840	7244		2938	10,182		-39	10,143	580	578	0	0	-		10,100
3F. Irradiators - < 10,000 Ci	0	4	0	4.0	6,400	4,300	5	29040	3440	9885		1192	11,077		-53	11,024	44	44	0	0	-		11,000
3G. Irradiators - > 10,000 Ci	0	7	0	7.0	61,400	5,700	2	449750	19950	87482		3950	91,432		-471	90,961	640	637	0	1	90,150		91,000
3H. Exempt Distribution - Device Review	0	33	0	33.0	6,800	4,000	5	244200	26400	10076		1109	11,184		-54	11,130	369	367	5	10	137,500		11,100
3I. Exempt Distribution - No Device Review	0	70	0	70.0	9,800	4,000	5	742000	56000	14433		1109	15,542		-78	15,464	1088	1082	9	10	249,100		15,500
3J. Gen. License - Device Review	0	5	0	5.0	2,000	2,900	5	12900	2900	3513		804	4,317		-19	4,298	22	21	1	0	200		4,300
3K. Gen. License - No Device Review	0	3	0	3.0	1,100	2,900	5	5040	1740	2287		804	3,091		-12	3,079	9	9	0	2	4,500		3,100
3L. R&D - Broad	0	41	0	41.0	5,400	10,000	4	323900	102500	10757		3465	14,221	466	-58	14,629	583	600	0	0	-		14,600
3L(a). R&D - Broad(6-20 sites)	0	2	0	2.0	7,200	13,200	4	21000	6600	14297		4574	18,870	466	-77	19,259	38	39	0	0	-		19,300
3L(b). R&D - Broad(21 or more sites)	0	2	0	2.0	9,000	16,500	4	26250	8250	17871		5717	23,588	466	-96	23,958	47	48	0	0	-		24,000
3M. R&D - Other	0	84	0	84.0	7,000	6,200	5	692160	104160	11219		1719	12,938	466	-60	13,344	1087	1121	9	13	244,650		13,300
3N. Service License	0	57	0	57.0	7,200	10,800	4	564300	153900	13480		3742	17,222	466	-73	17,615	982	1004	15	10	370,000		17,600
3O. Radiography	0	73	0	73.0	3,100	7,800	1	781100	554800	14569		10533	25,102		-78	25,023	1832	1827	29	5	726,850		25,000
3O1. Radiography (sites 6-19)	0	3	0	3.0	4,200	10,100	1	42900	30300	19471		13998	33,468		-105	33,364	100	100	0	0	-		33,400
3O2. Radiography (sites 20 or more)	0	1	0	1.0	5,200	12,600	1	17800	12600	24236		17463	41,699		-131	41,568	42	42	0	0	-		41,600
3P. All Other Byproduct Materials	0	938	0	938.0	3,400	7,300	5	4558680	1369480	6617		2023	8,641		-36	8,605	8105	8072	227	97	1,773,250		8,600
3P1. All Other Byproduct Materials (sites 6-19)	0	21	0	21.0	4,500	9,700	5	135240	40740	8769		2689	11,457		-47	11,410	241	240	0	0	-		11,400
3P2. All Other Byproduct Materials (sites 20 or more)	0	3	0	3.0	5,700	12,100	5	24360	7260	11056		3354	14,410		-60	14,350	43	43	0	0	-		14,400
3R1. Radium-226 (less than or equal to 10x limits in 31.12)	0	1	0	1.0	2,500	6,700	5	3840	1340	5229		1857	7,086		-28	7,057	7	7	0	0	-		7,100
3R2. Radium-226 (more than 10x limits in 31.12)	0	1	0	1.0	2,500	4,500	3	4000	1500	5446		2079	7,525		-29	7,496	8	7	0	0	-		7,500
3S. Accelerator Produced Radionuclides	0	17	0	17.0	14,100	8,100	2	308550	68850	24713		5613	30,326		-133	30,193	516	513	1	1	55,450		30,200
WASTE DISPOSAL AND PROCESSING:																							
4A. Waste Disposal*	0	0	0	0.0			1		0	0		0	0	466	0	466	0	0	0	0	-		
4B. Waste Receipt/Packaging	0	15	0	15.0	6,800	6,700	2	152250	50250	13820		4643	18,463	466	-74	18,855	277	283	5	0	74,000		18,900
4C. Waste Receipt - Prepackaged	0	1	0	1.0	5,000	3,900	3	6300	1300	8578		1802	10,380	466	-46	10,800	10	11	1	0	6,700		10,800
WELL LOGGING:																							
5A. Well Logging	0	23	0	23.0	4,500	9,600	3	177100	73600	10484		4435	14,919		-56	14,863	343	342	4	3	85,350		14,900
5B. Field Flooding Tracers Studies*	0	0	0	0.0			3	0	0	0		0	0	466	0	466	0	0	0	0	-		
NUCLEAR LAUNDRY:																							
6A. Nuclear Laundry	0	0	0	0.0			3	0	0	0		0	0		0	0	0	0	0	0	-		
HUMAN USE OF BYPRODUCT, SOURCE, OR SNM:																							
7A. Teletherapy	0	9	0	9.0	11,000	7,900	4	116775	17775	17667	301	2737	20,705		-95	20,610	186	185	1	0	16,500		20,600
7A1. Teletherapy sites 6-19	0	1	0	1.0	14,600	14,600	4	18250	3650	24849	301	5059	30,209		-134	30,075	30	30	0	0	-		30,100
7A2. Teletherapy sites 20 or more	0	1	0	1.0	18,300	13,200	4	21600	3300	29410	301	4574	34,285		-158	34,127	34	34	0	0	-		34,100
7B. Medical - Broad	0	12	0	12.0	8,600	13,500	2	184200	81000	20900	301	9355	30,557	466	-113	30,910	367	371	0	0	-		30,900
7B1. Medical - Broad sites 6-19	0	7	0	7.0	11,400	17,900	2	142450	62650	27708	301	12404	40,414	466	-149	40,730	283	285	0	0	-		40,700
7B2. Medical - Broad sites 20 or more	0	1	0	1.0	14,200	22,300	2	25350	11150	34516	301	15453	50,271	466	-186	50,551	50	51	0	0	-		50,600
7C. Medical Other	0	775	0	775.0	5,500	6,700	3	5993333	1730833	10530	301	3095	13,926		-57	13,869	10793	10749	157	44	2,112,800		13,900
CIVIL DEFENSE:																							
8A. Civil Defense	0	10	0	10.0	2,500	6,700	5	38400	13400	5229		1857	7,086		-28	7,057	71	71	1	0	3,000		7,100
DEVICE, PRODUCT, OR SEALED SOURCE SAFETY EVALUATION:																							
9A. Device/Product Safety Evaluation - Broad	0	81	0	81.0	5,400		5	437400	0	7353		0	7,353		-40	7,313	596	592	16	19	173,750		7,300
9B. Device/Product Safety Evaluation - Other	0	5	0	5.0	8,900		5	44500	0	12118		0	12,118		-65	12,053	61	60	0	0	-		12,100
9C. Sealed Sources Safety Evaluation - Broad	0	31	0	31.0	5,200		5	161200	0	7080		0	7,080		-38	7,042	219	218	11	12	105,700		7,000
9D. Sealed Sources Safety Evaluation - Other	0	10	0	10.0	1,000		5	10000	0	1362		0	1,362		-7	1,354	14	14	0	0	-		1,400

FY 2018 Materials Users Annual Fees

REBASELINE

OTHER LICENSES:

	17. Master Material License		0		3	0	3.0			114,600	109,800	2	508500	164700	230789	13557	76087	320,434	466	-1243	319656	961	959	0	0			320,000	
	TOTAL		0.0		2599.0	0.0	2599.0						18284695	5215595				1288197				32408	32453	528	240	6,540,300	Mat		
																								1	1	55,200	Uranium recovery 2A5 & 2A2		
																						Total Small Entity Subsidy		529	241	6,595,500			
	FTE RATE:		$415,355																		Total			770					
																					% of total Materials Users licensees			29.63%					

Calculation of UNIQUE (generic activities related to specific fee categories): UNIQUE ACTIVITES IDENTIFIED FOR FY 2018

Total budgeted resources (FY 2018 unique activities=Part 35 Implementation)	4.8 (FTE)	$0.00 (CONTRACT COSTS)	
Total cost (FTExFTE rate + any contract costs)	$1,993,706		
Percent of NRC materials licenses to the total materials licenses	14%		
Amount allocated to NRC materials licensees (% x total cost)	$280,486		
No. of affected NRC licenses (for FY 2018, Cats. 7A, 7B, & 7C, + those medical under Master Matls Licenses)	931.0		
Unique per license:	**$301**		

Total Part 171 (annual fee) amount, excluding fee-relief costs):	**$32,405,118**									
	FTE		FTE Rate				PS$		Total	
Inspection Amount (budgeted costs for materials inspections):	17.4	x	$415,355	=	$7,227,185	+	$1,200	=	**$7,228,385**	

LLW Surcharge Amount (see FEE-RELIFE ACTIVITIES Sheet for further details):

Total LLW surcharge to be recovered:	$3,439,166
Percentage to be recovered from materials licensees:	5.0%
Amount to be recovered from materials licensees:	$171,958
No. of affected licenses:	369.0
LLW Surcharge per license:	**$466**

Other Fee-Relief Amount (see FEE-RELIEF ACTIVITIES Sheet for further details):

Total other fee-relief to be recovered:	-$3,936,812
Percentage to be recovered from materials licensees:	3.4%
Amount to be recovered from materials licensees:	-$134,128

	$K		$K		$K		$K
TOTAL GENERAL = TOTAL Part 171 amount less INSPECTION less UNIQUE:	32,405	-	7,228	-	280	=	**24,896**
ANNUAL FEE MULTIPLIER = TOTAL GENERAL /Total of Calc of Gen. Multiple col.:	24,896	/	18,285			=	**1.36**
INSPECTION MULTIPLIER=INSPECTION AMOUNT/Total Calc of Insp. Multiple col.:	$7,228,385	/	5,216			=	**1.39**
FEE-RELIEF MULTIPLIER=Fee-Relief amount to be adjusted for materials licensees/total of Calc of Gen. Multiple col.):	-$134,128	/	18,285			=	**-0.0073**

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 2018 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 1.68	(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	21,900	6,000	3	0	0	32,501	2771	35,272	465	-175	35562	35,562	**35,600**

Part 171 Annual Fees

Transportation

Section II.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 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		TRANSPORTATION ALLOCATIONS	
	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	2.0	0.2
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	344.0	17.9
CORPORATE	192,980.0	617.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	346.0	18.1

Figures below in $, M (unless otherwise indicated)	
(1) FY 2018 ALLOCATIONS: equals $, K + FTE*FTE rate (shown below)	7.86
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS	3.14
(3) PART 171 ALLOCATIONS (equals 1 - 2)	4.73
(4) GENERIC TRANSPORTATION RESOURCES (allocated)	-3.62
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)	1.11
(6) FY 2018 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)	4.25
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)	0.539%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge	-0.02
(9) Fee-Relief Adjustment and LLW Surcharge per licensee	
(10) Part 171 billing adjustments	-0.01
(11) USAID Adjustments	0.000
(12) TOTAL FY 2018 ANNUAL FEE (equals 5+8+10+11)	1.08
(13) Number of Licensees	1
(14) Fee Per License (equals 12/13)	1.081737
	(DOE's fee)
unrounded annual fee amount per license, actual $	1,081,737
rounded annual fee, actual $	1,082,000

FTE RATE (average based on budget data, actual $):	415,355

Mission Direct Budgeted Resources for Transportation Fee Class

	FY18		FY17		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	0.2	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	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	0.2	2	0.1	0	0.1
Grand Total Nuclear Reactor Safety	2	0.2	2	0.1	0	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	0.2	1	0.0	0	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	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	0	0.5	0	0.0
Training						
Mission Training	24	0.2	33	0.2	(9)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	25	0.9	34	0.7	(9)	0.2
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
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
PRODUCT LINE/PRODUCTS:						
International						
International Cooperation	0	0.0	90	0.5	(90)	(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	3.0	0	4.0	0	(1.0)
Mission IT	293	0.4	225	0.4	68	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	10.7	682	10.7	(682)	0.0
Oversight						
Inspection	0	1.5	0	1.5	0	0.0

Mission Direct Budgeted Resources for Transportation Fee Class

	FY18		FY17		Difference	
	Contract ($,K)	FTE	Contract ($,K)	FTE	Contract ($,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
Rulemaking						
Rulemaking (PL)	0	1.4	0	2.0	0	(0.6)
Security	0	0.0	0	0.0	0	0.0
Training						
Mission Training	26	0.0	80	0.0	(54)	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	319	17.0	1,077	19.1	(758)	(2.1)
Grand Total Nuclear Materials & Waste Safety	344	17.9	1,111	19.8	(767)	(1.9)
TOTAL TRANSPORTATION	346	18.1	1,113	19.9	(767)	(1.8)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract $)	$7,864		$8,964		($1,100)	

TRANSPORTATION ANNUAL FEES

FY 2018

The total transportation budgeted costs of $4,725,934 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	21.00	23.5%	$1,108,679	$1.11
Operating Reactors	5.00	5.6%	$263,971	$0.26
Spent fuel/reactor decom	14.00	15.6%	$739,119	$0.74
T&R reactors	0.52	0.6%	$27,249	$0.03
Fuel Facilities	24.00	26.8%	$1,267,061	$1.27
Materials Users	25.00	27.9%	$1,319,856	$1.32
Total	89.52	100.0%	$4,725,934	$4.73

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 2018 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 2018 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
2015 small entities	6	1	3	0	1	0	10	15	1	0	9	13	1	0	14
2016 small entities	7	1	4	1	2	0	7	13	0	0	10	17	1	0	16
2016 Total # of Licensees	45	13	21	47	57	4	35	35	61	6	30	72	6	5	88
	15.56%	7.69%	19.05%	2.13%	3.51%	0.00%	20.00%	37.14%	0.00%	0.00%	33.33%	23.61%	16.67%	0.00%	18.18%
2015 Fee	$8,200	$3,500	$6,800	$8,300	$7,800	$30,700	$13,000	$13,500	$9,900	$108,900	$12,400	$18,300	$4,700	$3,500	$12,400
2016 Fee	$8,100	$3,600	$6,800	$8,300	$7,700	$30,600	$12,800	$13,500	$10,000	$108,100	$12,300	$18,200	$4,700	$3,500	$12,400

Implementing this method in FY 2017 would have resulted in a 32 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	$ 3,400	21%	$714	$4,100
Lower	$ 700	21%	147	$850

$49,200	$3,500	$20,400	$0	$7,800	$0	$130,000	$202,500	$9,900	$0	$111,600	$237,900	$4,700	$0	$173,600
$56,700	$3,600	$27,200	$8,300	$15,400	$0	$89,600	$175,500	$0	$0	$123,000	$309,400	$4,700	$0	$198,400

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	
18	32	295	0	4	1	6	0	219	22	9	680						
19	29	272	2	5	0	6	1	198	19	7	637						
68	80	1056	20	13	1	27	11	832	84	26	2743						
27.94%	36.25%	25.76%	10.00%	38.46%	0.00%	22.22%	9.09%	23.80%	22.62%	26.92%	23.22%						
$21,200	$25,800	$8,000	$31,100	$22,200	$14,700	$14,400	$24,700	$13,300	$7,900	$7,800		$11,566					
$21,200	$26,000	$7,900	$30,900	$22,000	$14,800	$14,500	$24,700	$13,300	$7,900	$7,600		$11,676	$11,621	$4,532	$4,500	3400	32%
														$933.10	$900	700	29%

$381,600	$825,600	$2,360,000	$0	$88,800	$14,700	$86,400	$0	$2,912,700	$173,800	$70,200	$7,864,900	$11,566
$402,800	$754,000	$2,148,800	$61,800	$110,000	$0	$87,000	$24,700	$2,633,400	$150,100	$53,200	$7,437,600	$11,675.98

Budget Authority (FY 2018)

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 and Inspector General 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.

Budget Authority (FY 2018)

FY 2018 Budget Summary by Program

This report is provided as supplemental information. It provides a summary of the FY 2018 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.

FY 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		POWER REACTORS ALLOCATIONS		SPENT FUEL STORAGE/ REACTOR DECOMM. ALLOCATIONS		TEST AND RESEARCH REACTORS ALLOCATIONS		FUEL FACILITY ALLOCATIONS		MATERIALS ALLOCATIONS	
	CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT	
	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE	$,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	76,663.0	1,423.2	2.0	0.4	388.6	3.9	0.0	0.0	18.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	450.7	4.0	4,273.7	70.7	0.5	0.0	1,283.7	81.7	598.0	75.7
CORPORATE	192,980.0	617.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0										
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	77,113.7	1,427.2	4,275.7	71.1	389.1	3.9	1,283.7	81.7	616.0	75.7

FY 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		TRANSPORTATION ALLOCATIONS		URANIUM RECOVERY ALLOCATIONS		RARE EARTH ALLOCATIONS		IMPORT/EXPORT ALLOCATIONS		INCLUDED IN FEE-RELIEF ACTIVITIES		INCLUDED IN PROFESSIONAL HOURLY & FTE RATE (overhead)	
	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	2.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	16,138.4	23.3	29,927.0	454.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	344.0	17.9	2,033.0	27.5	0.0	0.0	0.0	0.0	7,186.4	122.5	7,070.0	103.0
CORPORATE	192,980.0	617.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	192,980.0	617.0
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0											1,810.0	58.0
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	346.0	18.1	2,033.0	27.5	0.0	0.0	0.0	0.0	23,324.8	145.8	231,787.0	1,232.0

FY 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		NONPROFIT ED. EXEMPTION		INTERNATIONAL ACTIVITIES		AGREEMENT STATE OVERSIGHT		AGREEMENT STATE REG SUPPORT	
	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	484.4	15.2	0.0	0.0	38.0	0.2	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	17.4	4.6	0.0	0.0	1,827.0	27.7	2,743.5	35.2
CORPORATE	192,980.0	617.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0								
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	501.8	19.8	0.0	0.0	1,865.0	27.9	2,743.5	35.2

FY 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		ISL RULE/ GEN LICENSEES/ FELLOWSHIPS		GENERIC DECOMMISS/ RECLAIMATION		MILITARY RADIUM 226		PUBLIC RADIUM 226		GENERIC LLW		BUDGET SUM	
	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	15,616.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	123,139.0	1,905.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	528.5	2.3	1,746.0	38.3	0.0	2.8	0.0	4.1	324.0	7.5	23,240.0	503.0
CORPORATE	192,980.0	617.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	192,980.0	617.0
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0											1,810.0	58.0
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	16,144.5	10.2	1,746.0	38.3	0.0	2.8	0.0	4.1	324.0	7.5	341,169.0	3,083.0

FY 2018 MISSION DIRECT BUDGETED RESOURCES	TOTAL		ARI & WIR		Generic HLS BFS		International Activities	
	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE	CONTRACT $,K	FTE
NUCLEAR REACTOR SAFETY	123,139.0	1,905.0	7849.0	12	160.0	9	120.0	24
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	23,240.0	503.0	525.0	4	10337.0	18	6397.0	31
CORPORATE	192,980.0	617.0	0.0	0	0.0	0		
INSPECTOR GENERAL(no DNSFB)	1,810.0	58.0						
SUBTOTAL - FEE BASE RESOURCE	341,169.0	3,083.0	8,374.0	16.0	10,497.0	27.0	6517.0	55

Budget Authority (FY 2018)

FY 2018 Budget by Product Line

These reports are provided as supplemental information. They provide a summary of the FY 2018 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 2018 BUDGET RESOURCES FOR OFFICE OF INSPECTOR GENERAL

			Budget Resources Allocated to Fee Classes			
Program	Business Lines	Product Lines	Total Contract ($,K)	Total FTE	Professional Hourly Rate Contract ($,K)	Professsional Hourly Rate FTE
Inspector General	Inspector General (IG)	Inspector General (PL)	1,810	58	1,810	58
Grand Total			1,810	58	1,810	58

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	Professional Hourly Rate Contract ($,K)	Professional Hourly Rate FTE
Nuclear Materials and Waste Safety	Nuclear Materials Users	Research	0	1					0	0.7		
	Spent Fuel Storage and Transportation	Research	730	2			730	2	0	0		
		Travel (PL)	15	0					0	0	15	0
	Decommissioning and LLW	Research	150	1					150	1		
Nuclear Reactor Safety	New Reactors	Research	3236	12	3,236	12			0	0		
		Rulemaking (PL)	0	0					0	0		
		PL-M - Support Staff	0	1					0	0	0	1
	Operating Reactors	Research	29146	129	29,146	129			0	0		
		PL-M Support Staff	186	37					0	0	186	37
		Travel (PL)	888	0					0	0	888	0
		Rulemaking (PL)	250	11	250	11			0	0		
	Integrated University Program (BL)	Integrated University Program (PL)	15000	0					15,000	0		
Grand Total			49601	194	32,632	152	730	2	15,150	1.7	1089	38

FY 2018 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	Professional Hourly Rate Contract ($,K)	Professional Hourly Rate FTE
Nuclear Materials and Waste Safety	Fuel Facilities	Licensing	0	0					0.0	0		
	Nuclear Materials Users	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	100	5	100	5			0.0	0		
		Oversight	0	4		4			0.0	0		
		Travel (PL)	32	0					0.0	0	32	0
		Rulemaking (PL)	0	1		1			0.0	0		
		PL-M - Support Staff	0	1					0.0	0	0	1
	Operating Reactors	Licensing	11816	292	9,645	270	384	3.6	1,069.0	16.4	718	2
		Oversight	5436	408	5,436	404		0.3	0.0	3.7		
		PL-M Support Staff	936	82					0.0	0	936	82
		Travel (PL)	2478	0					0.0	0	2478	0
		Rulemaking (PL)	0	8		8			0.0	0		
Grand Total			**20798**	**803**	**15,181**	**694**	**384**	**3.9**	**1,069.0**	**20.1**	**4164**	**85**

FY 2018 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 ($,K)**	**Fee Relief FTE**	**Professional Hourly Rate Contract ($,K)**	**Professional Hourly Rate FTE**
Reactor Safety	**New Reactors**	Licensing	8334	156	8,334	156	0	0		
		Travel (PL)	1566	0			0	0	1566	0
		Rulemaking (PL)	0	1		1	0	0		
		PL-M - Support Staff	748	60			0	0	748	60
	Operating Reactors	Licensing	1400	16	1,400	16	0	0		
		Oversight	0	2		2	0	0		
		PL-M Support Staff	0	1			0	0	0	1
		Rulemaking (PL)	0	1		1	0	0		
Grand Total			**12208**	**296**	**9,774**	**235**	**0**	**0**	**2434**	**61**

FY 2018 BUDGET RESOURCES FOR REGIONAL OFFICES

Program	Program	Business Lines	Product Lines	Budget Resources Allocated to Fee Classes: Total Contract ($,K)	Total FTE	Power Reactors Contract ($,K)	Power Reactors FTE	Fuel Facility FTE	Materials FTE	Professional Hourly Rate Contract ($,K)	Professional Hourly Rate FTE
REG1	Corporate Support	Corporate Support		3706	6					3706	6
	Nuclear Materials and Waste Safety	Nuclear Materials Users	Licensing	0	0						
			Oversight	0	1				1		
			Travel (PL)	397	0					397	
			PL-M - Support Staff	0	9						9
		Spent Fuel Storage and Transportation	Travel (PL)	50	0					50	0
			PL-M - Support Staff	0	3						3
		Decommissioning and LLW	Travel (PL)	84	0					84	
			PL-M - Support Staff	0	0						0
	Nuclear Reactor Safety	New Reactors	Travel (PL)	4	0					4	0
		Operating Reactors	Event Response	50	0	50					
			Oversight	0	1		1				
			Training	0	0						
			PL-M Support Staff	819	40					819	40
			Travel (PL)	2256	0					2256	0
REG1 Total				**7366**	**60**	**50**	**1**		**1**	**7316**	**58**
REG3	Corporate Support	Corporate Support		3734	4					3734	4
	Nuclear Materials and Waste Safety	Nuclear Materials Users	Licensing	0	1				1		
			Travel (PL)	332	0					332	
			PL-M - Support Staff	0	9						9
		Spent Fuel Storage and Transportation	Travel (PL)	24	0					24	0
		Decommissioning and LLW	Travel (PL)	89	0					89	
			PL-M - Support Staff	0	2						2
	Nuclear Reactor Safety	New Reactors	Travel (PL)	11	0					11	0
		Operating Reactors	Event Response	40	1	40	1				
			Oversight	0	1		1				
			Training	0	0						
			PL-M Support Staff	499	39					499	39
			Travel (PL)	1930	0					1930	0
REG3 Total				**6659**	**57**	**40**	**2**		**1**	**6619**	**54**
REG4	Corporate Support	Corporate Support		3972	6					3972	6
	Nuclear Materials and Waste Safety	Fuel Facilities	Travel (PL)	10	0					10	
		Nuclear Materials Users	Licensing	0	1				1		
			Travel (PL)	309	0					309	
			PL-M - Support Staff	0	6						6
		Spent Fuel Storage and Transportation	Travel (PL)	32	0					32	0
		Decommissioning and LLW	Travel (PL)	156	0					156	
			PL-M - Support Staff	0	1						1
	Nuclear Reactor Safety	New Reactors	Travel (PL)	15	0					15	0
		Operating Reactors	Event Response	1111	0	1,111					
			Licensing	0	0						
			Oversight	0	1		1				
			PL-M Support Staff	180	36					180	36
			Travel (PL)	2372	0					2372	0
REG4 Total				**8157**	**51**	**1,111**	**1**		**1**	**7046**	**49**
REG2	Corporate Support	Corporate Support		4272	4					4272	4
	Nuclear Materials and Waste Safety	Fuel Facilities	Oversight	0	1			1			
			Travel (PL)	543	0					543	
			PL-M - Support Staff	0	7					0	7
		Fuel Facilities Total		543	8			1		543	7
		Nuclear Materials Users	Travel (PL)	0	0					0	
		Spent Fuel Storage and Transportation	Travel (PL)	16	0					16	0
	Nuclear Reactor Safety	New Reactors	Oversight	210	1	210	1				
			Training	0	0						
			Travel (PL)	686	0					686	0
			PL-M - Support Staff	0	9					0	9
		Operating Reactors	Event Response	100	0	100					
			Oversight	0	1		1				
			PL-M Support Staff	505	44					505	44
			Travel (PL)	2051	0					2051	0
REG2 Total				**8383**	**67**	**310**	**2**	**1**		**8073**	**64**
Grand Total				**30565**	**235**	**1,511**	**6**	**1**	**3**	**29054**	**225**

FY 2018 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 ($,K)	Fee Relief FTE	Professional Hourly Rate Contract ($,K)	Professional Hourly Rate FTE
Nuclear Materials and Waste Safety	Fuel Facilities	Event Response	0	0														0	0		
		Licensing	707	24					707	24								0	0		
		Oversight	0	30						30								0	0		
		Travel (PL)	412	0														0	0	412	
		Rulemaking (PL)	23	4					23	4								0	0		
		PL-M - Support Staff	350	12														0	0	350	12
		Oversight	1369	36	6		6		6		0.5	188.7	26.8					1,163	9.2		
		State, Tribal and Federal Pgms	312	30		1				0.5			0.1		0.5		1	312	26.9		
		Travel (PL)	1324	0														1,159	0	165	
		Rulemaking (PL)	0	8									4.3					0	3.7		
		PL-M - Support Staff	497	13														0	0	497	13
	Spent Fuel Storage and Transportation	Licensing	3357	50			3,064	35.6						293	14.1			0	0.3		
		Travel (PL)	373	0														0	0	373	0
		PL-M - Support Staff	14	12														0	0	14	12
		Rulemaking	325	5	293	0.8	32	2.8							1.4			0	0		
	Decommissioning and LLW	Licensing	3542	53												1,946.0	17.8	1,596	35.2		
		Oversight	136	23				6.3									4.7	136	12		
		Rulemaking (PL)	428	4														428	4		
		PL-M - Support Staff	12	11														0	0	12	11
Nuclear Reactor Safety	New Reactors	Licensing	0	0														0	0		
		Rulemaking (PL)	0	4		4												0	0		
		Oversight	0	8		8												0	0		
		PL-M Support Staff	0	1														0	0	0	1
Grand Total			**15082**	**392**	**804**	**31.8**	**3,102**	**53.2**	**736**	**58.5**	**0.5**	**288.4**	**49.5**	**293**	**17.5**	**1,946.0**	**23.5**	**5,661**	**109**	**2252**	**49**

FY 2018 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 ($,K)	Fuel Facility FTE	Materials FTE	Fee Relief FTE	Professional Hourly Rate Contract ($,K)	Professional Hourly Rate FTE
Corporate Support	Corporate Support	Information Technology	0	0							0	0	0
Nuclear Materials and Waste Safety	Fuel Facilities	Event Response	30	2				30	2		0		
		Licensing	0	3					3		0		
		Oversight	312	7				312	7		0		
		Travel (PL)	126	0							0	126	
		Rulemaking (PL)	0	2					2		0		
		PL-M - Support Staff	0	2							0	0	2
		Licensing	0	1						1	0		
		Travel (PL)	30	0							0	30	
		Rulemaking (PL)	0	1						0.1	0.9		
	Spent Fuel Storage and Transportation	Licensing	0	4			4				0		
		PL-M - Support Staff	0	1							0		1
		Rulemaking	0	1			1				0		
	Decommissioning and LLW	Travel (PL)	0	0							0	0	
		Travel (PL)	40	0							0	40	0
		Rulemaking (PL)	100	1	100	1					0		
		PL-M - Support Staff	0	2							0	0	2
	Operating Reactors	Event Response	5884	44	5,884	44					0		
		Oversight	3659	72	3,659	72					0		
		PL-M Support Staff	240	32							0	240	32
		Travel (PL)	1073	0							0	1073	0
		Rulemaking (PL)	325	6	325	6					0		
Grand Total			**13344**	**223**	**11,493**	**157**	**8**	**342**	**14**	**1.7**	**5.3**	**1509**	**37**

FY 2018 BUDGET RESOURCES FOR OFFICE OF GENERAL COUNSEL

OFFICE	OGC

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. FTE	Fuel Facility FTE	Materials Contract ($,K)	Materials FTE	Uranium Recovery FTE	Fee Relief Contract ($,K)	Fee Relief FTE	Professional Hourly Rate Contract ($,K)	Professional Hourly Rate FTE
Corporate Support	**Corporate Support**	Administrative Services	0	1								0	0	0	1
		Policy Support	774	15								0	0	774	15
	Corporate Support Total		**774**	**16**								**0**	**0**	**774**	**16**
		Travel (PL)	6	0								0	0	6	
	Fuel Facilities Total		**6**	**4**				**3**				**0**	**0**	**6**	**1**
	Nuclear Materials Users	Licensing	0	5						3.9		0	0.1		1
		State, Tribal and Federal Pgms	0	1								0	1		
		Travel (PL)	14	0								0	0	14	
		Rulemaking (PL)	0	1						0.1		0	0.9		
		PL-M - Support Staff	0	1								0	0		1
	Spent Fuel Storage and Transportation	Licensing	0	5			4					0	0		1
		Rulemaking	0	1			1					0	0		
	Decommissioning and LLW	Licensing	0	6							1	0	4	0	1
		Travel (PL)	11	0								0	0	11	
		Rulemaking (PL)	0	1								0	1		
		PL-M - Support Staff	0	1								0	0		1
Nuclear Reactor Safety	**New Reactors**	Licensing	0	11		9						0	0		2
		Oversight	0	1		1						0	0		
		Travel (PL)	35	0								0	0	35	0
		Rulemaking (PL)	0	1		1						0	0		
		PL-M - Support Staff	0	8								0	0	0	8
	Operating Reactors	Licensing	0	19		16						0	0		3
		Oversight	0	2		2						0	0		
		Training	53	0	41				12			0	0		
		PL-M Support Staff	76	11								0	0	76	11
		Travel (PL)	20	0								0	0	20	0
		Rulemaking (PL)	0	4		4						0	0		
Grand Total			**989**	**99**	**41**	**33**	**5**	**3**	**12**	**4**	**1**	**0**	**7**	**936**	**46**

FY 2018 BUDGET RESOURCES FOR ADVISORY COMMITTEE ON REACTOR SAFEGUARDS

OFFICE ACRS

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. FTE	Fuel Facility FTE	Professional Hourly Rate Contract ($,K)	Professional Hourly Rate FTE
Nuclear Materials and Waste Safety	**Fuel Facilities**	Licensing	0	1				1		
	Decommissioning and LLW	Licensing	0	1			1			
		Travel (PL)	6	0					6	
Nuclear Reactor Safety	**New Reactors**	Licensing	50	5	50	5				
		Travel (PL)	90	0					90	0
		PL-M - Support Staff	0	2					0	2
	Operating Reactors	Licensing	134	16	134	16				
		PL-M Support Staff	0	3					0	3
		Travel (PL)	375	0					375	0
Grand Total			**655**	**28**	**184**	**21**	**1**	**1**	**471**	**5**

FY 2018 BUDGET RESOURCES FOR OFFICE OF INTERNATIONAL PROGRAMS

OFFICE	OIP

Program	Business Lines	Product Lines	Budget Resources Allocated to Fee Classes: Total Contract ($,K)	Total FTE	Fee Relief Contract ($,K)	Fee Relief FTE	Professional Hourly Rate Contract ($,K)	Professional Hourly Rate FTE
Corporate Support	**Corporate Support**	Policy Support	310	3	0	0	310	3
Nuclear Materials and Waste Safety	**Nuclear Materials Users**	Travel (PL)	350	0	0	0	350	
		PL-M - Support Staff	0	4	0	0		4
	Decommissioning and LLW	PL-M - Support Staff	0	0	0	0		0
Nuclear Reactor Safety	**Operating Reactors**	PL-M Support Staff	0	6	0	0	0	6
		Travel (PL)	288	0	0	0	288	0
Grand Total			**948**	**13**	**0**	**0**	**948**	**13**

FY 2018 BUDGET RESOURCES FOR OFFICE OF ENFORCEMENT

OFFICE	OE

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	Materials Contract ($,K)	Materials FTE	Transportation Contract ($,K)	Transportation FTE	Fee Relief Contract ($,K)	Fee Relief FTE	Professional Hourly Rate Contract ($,K)	Professional Hourly Rate FTE
Corporate Support	**Corporate Support**	Human Resource Mgmt.	0	0												0.0	0	0	0
		Information Technology	0	0												0.0	0	0	0
Nuclear Materials and Waste Safety	**Fuel Facilities**	Oversight	10	3						10.0	3					0.0	0		
		Travel (PL)	4	0												0.0	0	4	
		PL-M - Support Staff	0	1												0.0	0	0	1
	Nuclear Materials Users	Oversight	47	10			2.0	0.5				41	9	1	0.2	2.9	0.3		
		Travel (PL)	35	0												0.0	0	35	
		PL-M - Support Staff	0	1												0.0	0		1
Nuclear Reactor Safety	**New Reactors**	Oversight	6	4	6.0	3.9		0.1								0.0	0		
		Travel (PL)	7	0												0.0	0	7	0
		PL-M - Support Staff	0	0												0.0	0	0	0
	Operating Reactors	Oversight	204	19	198.0	18.5	2.0	0.3						2	0.2	1.8	0		
		PL-M Support Staff	0	5												0.0	0	0	5
		Travel (PL)	42	0												0.0	0	42	0
Grand Total			**355**	**43**	**204.0**	**22.4**	**4.0**	**0.9**		**10.0**	**3**	**41**	**9**	**3**	**0.4**	**4.7**	**0.3**	**88**	**7**

FY 2018 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**	**Professional Hourly Rate Contract ($,K)**	**Professional Hourly Rate FTE**
Nuclear Materials and Waste Safety	**Nuclear Materials Users**	Oversight	0	6			5.6	0.4		
		Travel (PL)	131	0				0	131	
		PL-M - Support Staff	0	1				0		1
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	31			0		
		PL-M Support Staff	0	12				0	0	12
		Travel (PL)	401	0				0	401	0
Grand Total			**697**	**43**	**124**	**24**	**5.6**	**0.4**	**573**	**13**

FY 2018 BUDGET RESOURCES FOR ATOMIC SAFETY AND LICENSING BOARD

OFFICE ASLBP

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	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 Services	890	1											0.0	0	890	1
Nuclear Materials and Waste Safety	Fuel Facilities		5	1					5	1					0.0	0		
	Nuclear Materials Users	Licensing	23	2							21.5	1.9			1.5	0.1		
		Travel (PL)	27	0											0.0	0	27	
	Spent Fuel Storage and Transportation	Licensing	155	1			155	1							0.0	0		
		Travel (PL)	9	0											0.0	0	9	0
	Decommissioning and LLW	Licensing	60	3									60	3	0.0	0		
		Travel (PL)	22	0											0.0	0	22	
Nuclear Reactor Safety	New Reactors	Licensing	280	6	280	6									0.0	0		
		Training	10	0	10										0.0	0	0	0
		Travel (PL)	38	0											0.0	0	38	0
		PL-M - Support Staff	0	2											0.0	0	0	2
	Operating Reactors	Licensing	85	10	85	10									0.0	0		
		Training	20	0	20										0.0	0		
		PL-M Support Staff	0	4											0.0	0	0	4
		Travel (PL)	21	0											0.0	0	21	0
Grand Total			1645	30	395	16	155	1	5	1	21.5	1.9	60	3	1.5	0.1	1007	7

FY 2018 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.	4217	43												0.0	0	4217	43
		Outreach	0	0												0.0	0	0	0
		Training	2056	14												0.0	0	2056	14
Nuclear Materials and Waste Safety	**Fuel Facilities**	Training	304	0				125			19.0					160.0	0		
	Nuclear Materials Users	Training	1315	4	145	0.2	30	53	0.2		208.0	0.7	24	0.2		855.0	1.7		1
	Nuclear Materials Users Total		**1315**	**4**	**145**	**0.2**	**30**	**53**	**0.2**		**208.0**	**0.7**	**24**	**0.2**		**855.0**	**1.7**		**1**
	Spent Fuel Storage and Transportation Total		**41**	**0**			**15**						**26**			**0.0**	**0**		
	Decommissioning and LLW Total		**663**	**0**	**7**		**240**	**13**			**20.0**				**27**	**356.0**	**0**		
		Travel (PL)	50	0												0.0	0	50	0
		PL-M - Support Staff	0	1												0.0	0	0	1
	New Reactors Total		**1101**	**11**	**1,041**	**10**										**10.0**	**0**	**50**	**1**
		PL-M Support Staff	0	3												0.0	0	0	3
		Travel (PL)	130	0												0.0	0	130	0
	Operating Reactors Total		**3776**	**29**	**3,578**	**24.8**				**4.4**	**6.0**					**57.6**	**0.2**	**130**	**4**

FY 2018 BUDGET RESOURCES FOR OFFICE OF ADMINISTRATION						
OFFICE	ADM					
			Budget Resources Allocated to Fee Classes			
Program	**Business Lines**	**Product Lines**	**Total Contract ($,K)**	**Total FTE**	**Hourly Rate Contract ($,K)**	**Hourly Rate FTE**
Corporate Support	**Corporate Support**	Administrative Services	70166	75	70166	75
		Human Resource Mgmt.	150	0	150	0
		Information Technology	0	0	0	0
		Acquisitions	6373	54	6373	54
Nuclear Reactor Safety	**Operating Reactors**	Oversight	143	0	143	
Grand Total			**76832**	**129**	**76832**	**129**

Omnibus Budget Reconciliation Act of 1990
(OBRA-90)

Referenced throughout the Final rule

This document is provided as supplemental information. The final 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 2018, less the amounts appropriated for Waste Incidental to Reprocessing, Defense Nuclear Facilities Safety Board, Nuclear Waste Fund, 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.

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 Raffy, 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 cost "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 cost 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 allocation 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(c).* 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 31,483.*

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 *benefited* 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 1993--$ 3.8 million. See *56 Fed. Reg. at 31,488, 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 inequitable[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 amend 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.