

**FY 2020
FINAL
FEE RULE
WORK PAPERS**

FY 2020 Final Fee Rule Work Papers

The supporting information to the FY 2020 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 2019 Fee Collection A. Amendments to 10 CFR Part 170 1. Professional Hourly Rate.**

The complete outline of the FY 2020 Final Fee Rule showing the Section and Table titles is located immediately following the Table of Contents.

Table of Contents

FY 2020 Final Fee Rule Outline

Budget and Fee Recovery

Part 170 Fees

Determination of Professional Hourly Rate

Licensing Fees

Export and Import Fees

Reciprocity Fees--Agreement State Licensees

General License Registration Fees

Fee Collected for Prior Year

Part 171 Annual Fees

Fee-Relief Adjustment and LLW Surcharge Included in Annual Fees

Operating Power Reactors

Spent Fuel Storage/Reactor Decommissioning

Fuel Facilities

Uranium Recovery Facilities

Test and Research Reactor

Rare Earth Facilities

Materials Users

Transportation

Regulatory Flexibility Analysis

Budget Authority (FY 2020)

FY 2020 Budget Summary by Program

OBRA-90, as amended

Court Decision, 1993

FY 2020 Final Fee Rule Outline

- I. Background; Statutory Authority
- II. Petition for Rulemaking
- III. Discussion

Table I—Budget and Fee Recovery Amounts

Fee Collection - Professional Hourly Rate

Table II— Professional Hourly Rate Calculation

Fee Collection - Flat Application Fee Changes

Fee Collection - Fee-Relief and Low-Level Waste (LLW) Surcharge

Table III—Fee-Relief Activities

Table IV—Allocation of Fee-Relief Adjustment and LLW Surcharge, FY 2020

Fee Collection - Revised Annual Fees

Table V—Rebaselined Annual Fees

- a. Operating Power Reactors

Table VI—Annual Fee Summary Calculations for Operating Power Reactors

- b. Spent Fuel Storage/Reactor Decommissioning

Table VII—Annual Fee Summary Calculations for the Spent Fuel Storage/Reactor in
Decommissioning Fee Class

- c. Fuel Facilities

Table VIII—Annual Fee Summary Calculations for Fuel Facilities

Table IX—Effort Factors for Fuel Facilities, FY 2020

Table X—Annual Fees for Fuel Facilities

- d. Uranium Recovery Facilities

Table XI—Annual Fee Summary Calculations for Uranium Recovery Facilities

Table XII—Costs Recovered Through Annual Fees; Uranium Recovery Fee Class

Table XIII—Benefit Factors for Uranium Recovery Licenses

Table XIV—Annual Fees for Uranium Recovery Licensees (other than DOE)

e. Research and Test Reactors (Non-power Reactors)

Table XV—Annual Fee Summary Calculations for Research and Test Reactors

f. Rare Earth

g. Materials Users

Table XVI—Annual Fee Summary Calculations for Materials Users

h. Transportation

Table XVII—Annual Fee Summary Calculations for Transportation

Table XVIII—Distribution of Generic Transportation Resources, FY 2020

Fee Policy Changes

Administrative Changes

- IV. Public Comment Analysis
 - V. Public Comments & NRC Responses
 - VI. Regulatory Flexibility Certification
 - VII. Regulatory Analysis
 - VIII. Backfitting and Issue Finality
 - IX. Plain Writing
 - X. National Environmental Policy Act
 - XI. Paperwork Reduction Act
- Public Protection Notification
- XII. Congressional Review Act
 - XIII. Voluntary Consensus Standards
 - XIV. Availability of Guidance
 - XV. Availability of Documents

Budget and Fee Recovery

Section III

Table I

The NRC's total budget authority for FY 2020 is \$855.6 million. Budgeted activities excluded from fee recovery include \$15.5 million for advanced reactor infrastructure; \$14.5 million for international activities; \$1.3 million for WIR activities; \$1.2 million for IG services for the Defense Nuclear Facilities Safety Board; and \$14.1 million for generic homeland security activities. Based on the 90 percent fee-recovery requirement, the NRC will have to recover approximately \$728.1 million in FY 2020 through Part 170 licensing and inspection fees and Part 171 annual fees. The amount required by law to be recovered through fees for FY 2020 is \$52.8 million less than the amount estimated for recovery in FY 2019, a decrease of 6.8 percent.

The FY 2020 fee recovery amount is increased by \$2.7 million to account for billing adjustments (i.e., for FY 2020 invoices that the NRC estimates will not be paid during the fiscal year, less payments received in FY 2020 for prior year invoices). An additional adjustment of estimated current year collections from a terminated power reactor totaled \$2.7 million. This leaves approximately \$728.1 million to be billed in FY 2020 through Part 170 licensing and inspection fees and Part 171 annual fees.

The NRC estimates that \$220.2 million will be recovered from Part 170 fees in FY 2020. This represents a decrease of \$31.9 million or approximately 12.7 percent as compared to the estimated Part 170 collections of \$252.1 million for FY 2019. The remaining \$507.9 million will be recovered through the Part 171 annual fees in FY 2020, which is an decrease of \$22.6 million when compared to estimated Part 171 collections of \$530.5 million for FY 2019.

See Tab "Budget Authority (FY 2020)" for supplemental information on the distribution of budgeted FTE and contract dollars.

Budget and Fee Recovery
 FY 2020
 (\$ in Millions)
 (Individual dollar amounts may not add to totals due to rounding)

	FY 2020
NRC Budget Authority	\$855.6
Less Excluded Fee Items	-\$46.6
Balance	\$808.9
Fee Recovery Rate for FY 2020	x .90
Total Amount to be Recovered For FY 2020	\$728.1
USAID Rescission	\$0.0
Amount to be Recovered Through Fees and Other Receipts	\$728.1
Estimated amount to be recovered through Part 170 fees and other receipts	-\$220.2
Estimated amount to be recovered through Part 171 annual fees	\$507.9
Part 171 billing adjustments	\$2.8
Operating Reactor adjustment- Terminated Reactor collections	-\$2.7
Adjusted Part 171 annual fee collections required	\$507.9

Utilization of Carryover Funds

Budget Business Line / Fee Rule Allocation	FY2019 Carryover Funding \$20M		FY2020 Carryover Funding \$40M		Carryover Change (+/-)
Operating/New Reactor BL	10,401,000		20,921,000		10,520,000
<i>Power Reactor Fee Class</i>		10,401,000		20,361,000	9,960,000
<i>Indirect → Hourly Rate</i>		0		560,000	560,000
Spent Fuel Storage/Transportation BL	2,383,000		1,466,000		-917,000
<i>Spent Fuel Storage/RD Fee Class</i>		1,583,000		422,000	-1,161,000
<i>Transportation Fee Class</i>		800,000		1,044,000	244,000
Nuclear Materials User BL	0		2,918,000		2,918,000
<i>Nuclear Materials User Fee Class</i>				340,000	340,000
<i>Fee Relief</i>				2,101,000	2,101,000
<i>Indirect → Hourly Rate</i>				477,000	477,000
Decommissioning/Low Level Waste BL	562,000		1,070,000		508,000
<i>Spent Fuel Storage/RD Fee Class</i>		500,000		522,000	22,000
<i>Fee Relief</i>		62,000		548,000	486,000
Fuel Facilities BL	22,000		440,000		418,000
Corporate BL	6,632,000		13,185,000		6,553,000

Part 170 Fees

Section III.A

Part 170 Fees

Determination of Professional Hourly Rate

Section III.A.1

Table II

Final Professional Hourly Rate is \$279

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 2019) to determine if the annual direct hours worked per direct FTE estimate requires updating for the FY 2020 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).

Total hours in mission business lines				
Total hours in mission business lines + "Other Hours"	X	Total work hours in a year (2,087)	=	Productive Hours Assumption
2,478,954	X	Total work hours in a year (2,087)	=	1,510
3,422,244				

Elements of the formula are defined as follows:

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

The 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	1,745	322,232	184,660
General Fund	70	13,059	186,560
NUCLEAR MATERIAL SAFETY (Less Excl. Fee Items & General Fund)	434	80,718	185,987
Excl. Fee Items & General Fund	47	8,675	184,570
CORPORATE SUPPORT	611	110,013	180,054
Excl. Fee Items & General Fund	-	-	-
INSPECTOR GENERAL	58	10,440	180,000
TOTAL	<u>2,965</u>	<u>545,138</u>	

MISSION DIRECT RESOURCES

(in actual \$)	nonlabor	labor
NUCLEAR REACTOR SAFETY	\$81,260,000	\$250,768,825
NUCLEAR MATERIALS AND WASTE SAFETY	\$10,765,000	\$63,793,495
CORPORATE SUPPORT: FELLOWSHIPS/SCHOLARSHIPS	\$0	\$0
TOTAL	<u>\$92,025,000</u>	<u>\$314,562,320</u>

PROGRAM SUPPORT (or MISSION
INDIRECT) RESOURCES

(in actual \$)	nonlabor	labor
NUCLEAR REACTOR SAFETY (BUDGET PROGRAM)	\$17,927,000	\$71,463,575
NUCLEAR MATERIALS AND WASTE SAFETY (BUDGET PROGRAM)	\$4,505,000	\$16,924,805
TOTAL	<u>\$22,432,000</u>	<u>\$88,388,380</u>

AGENCY SUPPORT (or CORPORATE
SUPPORT & IG) RESOURCES

(in actual \$)	nonlabor	labor
TOTAL	\$171,087,300	\$120,453,000

TOTALS	Total (\$)
Direct Labor	\$314,562,320
Direct Nonlabor (excl. from hourly rates)	\$92,025,000
Indirect Program Support Labor	\$88,388,380
Indirect Program Support Nonlabor	\$22,432,000
Agency Support: Corporate & OIG Labor	\$120,453,000
Agency Support: Corporate & OIG NonLabor	\$171,087,300
TOTAL	<u>\$808,948,000</u>

DETERMINATION OF PROFESSIONAL HOURLY RATE CONTINUED

	% total	value
Total included in professional hourly rates:		
Mission-Direct Program Salaries & Benefits	43.88%	\$314,562,320
Mission-Indirect Program Support	15.46%	\$110,820,380
Agency Support: Corporate Support w/ Inspector General	40.67%	\$291,540,300
Total	100.00%	<u>\$716,923,000</u>
less offsetting receipts*		\$16,931
Total in professional hourly rate**		\$716,906,069

Mission-Direct FTE	1,701
FTE rate- Full Costed** ('Total in professional hourly rates' divided by 'Mission Direct FTE')	\$421,471
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')	2,568,510
Professional Hourly rate** ('Total in professional hourly rates' divided by 'FTE converted to hours')	\$279

*Calculation of offsetting receipts	Total		value
	%		
FOIA	\$16,931	100%	\$16,931
INDEMNITY	\$0	100%	\$0
TOTAL			<u>\$16,931</u>

**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.

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
Travel						
International Activities Travel	275	0.0	166	0.0	109	0.0
Mission Travel	1,845	0.0	2,120	0.0	(275)	0.0
Travel	0	0.0	5	0.0	(5)	0.0
Support Staff						
Supervisory Staff	0	32.0	0	49.0	0	(17.0)
Admin Assistants	280	17.0	550	24.0	(270)	(7.0)
Non-Supervisory Staff	48	12.0	0	12.0	48	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
Travel						
International Activities Travel	818	0.0	803	0.0	15	0.0
Mission Travel	12,135	0.0	13,508	0.0	(1373)	0.0
Support Staff						
Supervisory Staff	0	177.0	0	184.0	0	(7.0)
Admin Assistants	884	86.0	975	91.0	(91)	(5.0)
Non-Supervisory Staff	1,642	63.0	1,676	65.0	(34)	(2.0)
Grand Total Nuclear Reactor Safety	17,927	387.0	19,803	425.0	(1876)	(38.0)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
Travel						
International Activities Travel	120	0.0	120	0.0	0	0.0
Mission Travel	937	0.0	981	0.0	(44)	0.0
Support Staff						
Supervisory Staff	0	13.0	0	14.0	0	(1.0)
Admin Assistants	0	4.0	268	4.0	(268)	0.0
Non-Supervisory Staff	0	2.0	82	2.0	(82)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
Travel						
International Activities Travel	79	0.0	79	0.0	0	0.0
International Assistance Travel	350	0.0	350	0.0	0	0.0
Mission Travel	1,282	0.0	1,334	0.0	(52)	0.0
Support Staff						
Supervisory Staff	0	25.0	0	25.0	0	0.0
Admin Assistants	0	8.0	0	8.0	0	0.0
Non-Supervisory Staff	436	10.0	497	10.0	(61)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
Travel						
Mission Travel	652	0.0	730	0.0	(78)	0.0
International Activities Travel	80	0.0	180	0.0	(100)	0.0
Support Staff						
Supervisory Staff	0	10.0	0	11.0	0	(1.0)
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	1.0	12	1.0	(12)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
Travel						
Mission Travel	449	0.0	461	0.0	(12)	0.0
International Activities Travel	120	0.0	120	0.0	0	0.0
Support Staff						
Supervisory Staff	0	12.0	0	11.0	0	1.0
Admin Assistants	0	2.0	0	2.0	0	0.0
Non-Supervisory Staff	0	2.0	14	2.0	(14)	0.0
Grand Total Nuclear Materials & Waste Safety	4,505	91.0	5,228	92	(723)	(1.0)
Total Mission Program Indirect Resources	22,432	478.0	25,031	517.0	(2599)	(39.0)
Total value of Mission Program Indirect Resources(FY 20						
\$22,432 contract funding + 478 FTE multiplied by S&B rate)						
	\$ 22,432	\$ 88,388	\$ 25,031	\$ 95,584	(2599)	(7196.0)

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
CORPORATE SUPPORT						
BUSINESS LINE: CORPORATE SUPPORT						
Acquisitions						
Mission IT	5,917	2.0	5,965	2.0	(48)	0.0
Commodity Management	0	1.0	0	3.0	0	(2.0)
Procurement Operations	235	42.0	156	43.0	79	(1.0)
Administrative Assistants	0	1.0	0	1.0	0	0.0
Supervisory Staff	0	5.0	0	5.0	0	0.0
Travel	8	0.0	15	0.0	(7)	0.0
Administrative Services						
Mission IT	1,807	2.0	2,498	1.0	(691)	1.0
Supervisory Staff	0	9.0	0	10.0	0	(1.0)
Support Services	7,128	24.0	9,451	23.0	(2,323)	1.0
Administrative Assistants	325	2.0	295	2.0	30	0.0
IT Infrastructure	895	0.0	0	0.0	895	0.0
Corporate Rulemaking	0	0.0	0	1.0	0	(1.0)
Facility Management	15,449	14.0	10,093	14.0	5,356	0.0
Non-Supervisory Staff	60	5.0	108	6.0	(48)	(1.0)
Physical & Personnel Security	14,235	21.0	14,439	18.0	(204)	3.0
Travel	30	0.0	48	0.0	(18)	0.0
Rent & Utilities	32,502	1.0	35,064	1.0	(2,562)	0.0
Financial Management						
Mission IT	9,488	9.0	11,917	9.0	(2,429)	0.0
Corporate Rulemaking	0	2.0	0	2.0	0	0.0
Supervisory Staff	0	12.0	0	14.0	0	(2.0)
Budgeting	0	26.0	0	27.0	0	(1.0)
Administrative Assistants	200	2.0	85	4.0	115	(2.0)
Non-Supervisory Staff	460	3.0	217	2.0	243	1.0
Travel	39	0.0	39	0.0	0	0.0
Financial Services	2,387	22.0	1,900	16.0	487	6.0
Management controls	350	20.0	646	25.0	(296)	(5.0)
Human Resource Management						
Mission IT	1,010	3.0	1,028	3.0	(18)	0.0
Supervisory Staff	0	6.0	0	5.0	0	1.0
Non-Supervisory Staff	165	2.0	162	2.0	3	0.0
Administrative Assistants	0	1.0	0	1.0	0	0.0
Travel	87	0.0	87	0.0	0	0.0
Employee/Labor Relations	15	5.0	15	5.0	0	0.0
Policy Development & SWP	69	5.0	30	5.0	39	0.0
Recruitment & Staffing	820	17.0	6,598	18.0	(5,778)	(1.0)
Change of Station	8,504	0.0	0	0.0	8,504	0.0
Work Life Services	1,883	5.0	2,156	5.0	(273)	0.0
Information Technology						
IM Technologies	5,998	12	8,980	15	(2,982)	(3.0)
IT Infrastructure	43,628	78.0	51,054	68.0	(7,426)	10.0
IT applications infrastructure	0	0.0	0	0.0	0	0.0
IT Security	5,796	11.0	5,371	16.0	425	(5.0)
Information Services	1,721	28.0	2,085	18.0	(364)	10.0
Information Security	0	2.0	0	2.0	0	0.0
Supervisory Staff	0	17.0	0	17.0	0	0.0
Non-Supervisory Staff	0	2.0	0	2.0	0	0.0
Travel	48	1.0	98	0.0	(50)	1.0
Administrative Assistants	384	1.0	424	1.0	(40)	0.0
Content Management	755	1.0	2,122	7.0	(1,367)	(6.0)
IT Strategic Management	1,103	26.0	4,167	28.0	(3,064)	(2.0)
Outreach						
Small Business & Civil Rights	742	9.0	424	6.0	318	3.0
Outreach & Compliance Coord. Program	0	0.0	429	3.0	(429)	(3.0)
Supervisory Staff	0	2.0	0	2.0	0	0.0
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	33	0.0	33	0.0	0	0.0
Travel	30	0.0	30	0.0	0	0.0
Policy Support						
Mission IT	668	0.0	690	0.0	(22)	0.0
International Cooperation	0	0.0	0	0.0	0	0.0
International Policy Outreach	290	3.0	290	3.0	0	0.0
Performance Management	0	1.0	0	1.0	0	0.0
Commission	70	35.0	70	35.0	0	0.0

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
Commission Appellate Adjudication	5	6.0	90	6.0	(85)	0.0
EDO Operations	0	8.0	0	8.0	0	0.0
Policy Outreach	1,126	37.0	1,089	35.0	37	2.0
Secretariat	0	17.0	0	17.0	0	0.0
Official Representation	25	0.0	25	0.0	0	0.0
Corporate Rulemaking	0	1.0	0	1.0	0	0.0
Supervisory Staff	0	13.0	0	14.0	0	(1.0)
Administrative Assistants	75	15.0	75	15.0	0	0.0
Non-Supervisory Staff	63	1.0	63	1.0	0	0.0
Travel	824	0.0	824	0.0	0	0.0
Training						
Mission IT	158	2.0	266	2.0	(108)	0.0
Training and Development	1,212	4.0	1,282	4.0	(70)	0.0
Organizational Development	10	2.0	0	2.0	10	0.0
Supervisory Staff	0	3.0	0	3.0	0	0.0
Administrative Assistants	0	1.0	0	1.0	0	0.0
IT Security	150	0.0	150	0.0	0	0.0
Non-Supervisory Staff	0	1.0	0	1.0	0	0.0
Travel	341	0.0	341	0.0	0	0.0
Business Process Improvements	0	0.0	0	0.0	0	0.0
Total Agency Support (Corporate Support and the IG) Resources	169,384	611	183,545	609	(14,161)	2.0
Total value of Corporate Support Resources(FY19 \$181,567 contract funding + 611 FTE multiplied by S&B rate)	\$ 169,384	\$ 110,013	\$ 183,545	\$ 109,404	(14,161)	609.0
Office of Inspector General	1,703	58.0	1,414	58.0	289	0.0
Total value of the Office of Inspector General Resources(\$1,703 contract funding + 58 FTE multiplied by S&B rate)	\$ 1,703	\$ 10,440	\$ 1,414	\$ 10,092	289	348.0
Total Agency Support (Corporate Support and the IG) Resources	\$ 171,087	\$ 120,453	\$ 184,959	\$ 119,496	(13,872)	957.0

Part 170 Fees

Specific Services

Section III.A.2

Flat application fees are calculated by multiplying the average professional staff hours needed to process the licensing actions by the Final professional hourly rate (\$279 for FY 2020). The agency estimates the average professional staff hours every other year as part of its biennial review of fees which was performed in FY 2020.

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 2020			
FY2020 Professional Hourly Rate \$279			
Materials Part 170 Fee			
Category	FY 2020 Estimated Professional Process Time	FY 2020 Fee/Cost (Professional Time x FY 2020 Professional Hourly Rate)	FY 2020 Fee/Cost (Rounded)
	(Hours)*		
1. Special Nuclear Material			
1C. Industrial Gauges			
Inspection Costs**	7.7	\$2,149	\$2,100
New License	4.6	\$1,284	\$1,300
1D. All Other SNM Material, less critical mass			
Inspection Costs**	23.1	\$6,448	\$6,400
New License	9.3	\$2,596	\$2,600
2. Source Material			
2B. Shielding			
Inspection Costs**	10	\$2,791	\$2,800
New License	4.4	\$1,228	\$1,200
2C. Exempt Distribution/SM			
Inspection Costs**	14.5	\$4,047	\$4,000
New License	15.5	\$4,326	\$4,300
2D. General License Distribution			
Inspection Costs**	15.6	\$4,354	\$4,400
New License	9.9	\$2,763	\$2,800
2E. Manufacturing Distribution			
Inspection Costs**	15.5	\$4,326	\$4,300
New License	9.5	\$2,652	\$2,700
2F. All Other Source Material			
Inspection Costs**	28.8	\$8,038	\$8,000
New License	9.5	\$2,652	\$2,700
3. Byproduct Material			
3A. Mfg-Broad Scope			
Inspection Costs**	57.7	\$16,105	\$16,100
New License	46.8	\$13,063	\$13,100
3. Byproduct Material			
3A1. Mfg-Broad Scope			
Inspection Costs**	76.9	\$21,464	\$21,500
New License	62.2	\$17,361	\$17,400
3. Byproduct Material			
3A2. Mfg-Broad Scope			
Inspection Costs**	96.2	\$26,851	\$26,900
New License	77.7	\$21,687	\$21,700

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2020			
FY2020 Professional Hourly Rate \$279			
Materials Part 170 Fee			
Category	FY 2020 Estimated Professional Process Time	FY 2020 Fee/Cost (Professional Time x FY 2020 Professional Hourly Rate)	FY 2020 Fee/Cost (Rounded)
3B. Mfg-Other			
Inspection Costs**	33.9	\$9,462	\$9,500
New License	12.9	\$3,601	\$3,600
3B1. Mfg-Other (sites 6-19)			
Inspection Costs**	45.2	\$12,616	\$12,600
New License	17.2	\$4,801	\$4,800
3B2. Mfg-Other (sites 20 or more)			
Inspection Costs**	56.5	\$15,770	\$15,800
New License	21.4	\$5,973	\$6,000
3C. Mfg/Distribution Radiopharmaceuticals			
Inspection Costs**	23.8	\$6,643	\$6,600
New License	18.7	\$5,219	\$5,200
3C1. Mfg/Distribution Radiopharmaceuticals			
Inspection Costs**	31.7	\$8,848	\$8,800
New License	24.9	\$6,950	\$6,900
3C2. Mfg/Distribution Radiopharmaceuticals			
Inspection Costs**	39.7	\$11,081	\$11,100
New License	31.0	\$8,653	\$8,700
3D. Distribution Radiopharmaceuticals/No Process			
Inspection Costs**	0	\$0	\$0
New License	0	\$0	\$0
3E. Irradiators/Self-Shielded			
Inspection Costs**	49.8	\$13,900	\$13,900
New License	11.5	\$3,210	\$3,200
3F. Irradiators < 10,000 Ci			
Inspection Costs**	15.7	\$4,382	\$4,400
New License	23.4	\$6,531	\$6,500
3G. Irradiators => 10,000 Ci			
Inspection Costs**	15.6	\$4,354	\$4,400
New License	223.2	\$62,298	\$62,300
3H. Exempt Distribution/Device Review			
Inspection Costs**	14.1	\$3,936	\$3,900
New License	23.9	\$6,671	\$6,700
3I. Exempt Distribution/No Device Review			
Inspection Costs**	14.5	\$4,047	\$4,000
New License	41.6	\$11,611	\$11,600
3J. General License Distribution/Device Review			
Inspection Costs**	10.5	\$2,931	\$2,900
New License	7.2	\$2,010	\$2,000

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2020			
FY2020 Professional Hourly Rate \$279			
Materials Part 170 Fee			
Category	FY 2020 Estimated Professional Process Time	FY 2020 Fee/Cost (Professional Time x FY 2020 Professional Hourly Rate)	FY 2020 Fee/Cost (Rounded)
3K. General License Distribution/No Device Review			
Inspection Costs**	10.4	\$2,903	\$2,900
New License	4.1	\$1,144	\$1,100
3L. R&D-Broad			
Inspection Costs**	40.4	\$11,276	\$11,300
New License	19.7	\$5,499	\$5,500
3L1 R&D-Broad			
Inspection Costs**	53.9	\$15,044	\$15,000
New License	26.2	\$7,313	\$7,300
3L2 R&D-Broad			
Inspection Costs**	67.3	\$18,784	\$18,800
New License	32.7	\$9,127	\$9,100
3M. R&D-Other			
Inspection Costs**	23.8	\$6,643	\$6,600
New License	29.8	\$8,318	\$8,300
3N. Service License			
Inspection Costs**	34.2	\$9,546	\$9,500
New License	32	\$8,932	\$8,900
3O. Radiography			
Inspection Costs**	28.4	\$7,927	\$7,900
New License	22.8	\$6,364	\$6,400
3O1. Radiography			
Inspection Costs**	37.9	\$10,578	\$10,600
New License	30.4	\$8,485	\$8,500
3O2. Radiography			
Inspection Costs**	47.3	\$13,202	\$13,200
New License	38.0	\$10,606	\$10,600
3P. All Other Byproduct Material			
Inspection Costs**	24.5	\$6,838	\$6,800
New License	17	\$4,745	\$4,700
3P1. All Other Byproduct Material			
Inspection Costs**	32.7	\$9,127	\$9,100
New License	22.7	\$6,336	\$6,300
3P2. All Other Byproduct Material			
Inspection Costs**	40.8	\$11,388	\$11,400
New License	28.3	\$7,899	\$7,900

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2020			
FY2020 Professional Hourly Rate \$279			
Materials Part 170 Fee			
Category	FY 2020 Estimated Professional Process Time	FY 2020 Fee/Cost (Professional Time x FY 2020 Professional Hourly Rate)	FY 2020 Fee/Cost (Rounded)
3R1. Radium-226 (less than or equal to 10x limits in 31.12)			
Inspection Costs**	24.2	\$6,755	\$6,800
New License	9.2	\$2,568	\$2,600
3R2. Radium-226 (more than 10x limits in 31.12)			
Inspection Costs**	16.2	\$4,522	\$4,500
New License	9	\$2,512	\$2,500
3S. Accelerator Produced Radionuclides			
Inspection Costs**	31.6	\$8,820	\$8,800
New License	51.1	\$14,263	\$14,300
4B. Waste Packaging			
Inspection Costs**	23.5	\$6,559	\$6,600
New License	24.9	\$6,950	\$6,900
4C. Waste-Prepackaged			
Inspection Costs**	14.2	\$3,963	\$4,000
New License	18	\$5,024	\$5,000
5. Well Logging			
5A. Well Logging			
Inspection Costs**	33	\$9,211	\$9,200
New License	16.5	\$4,605	\$4,600
6. Nuclear Laundries			
6A. Nuclear Laundry			
Inspection Costs**	21.7	\$6,057	\$6,100
New License	79.7	\$22,245	\$22,200
7. Human Use			
7A. Teletherapy			
Inspection Costs**	57.8	\$16,133	\$16,100
New License	40	\$11,165	\$11,200
7. Human Use			
7A1. Teletherapy			
Inspection Costs**	77.1	\$21,520	\$21,500
New License	53.2	\$14,849	\$14,800
7. Human Use			
7A2. Teletherapy			
Inspection Costs**	96.3	\$26,879	\$26,900
New License	66.4	\$18,533	\$18,500

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2020			
FY2020 Professional Hourly Rate \$279			
Materials Part 170 Fee			
Category	FY 2020 Estimated Professional Process Time	FY 2020 Fee/Cost (Professional Time x FY 2020 Professional Hourly Rate)	FY 2020 Fee/Cost (Rounded)
7B. Medical-Broad			
Inspection Costs**	50.9	\$14,207	\$14,200
New License	31.2	\$8,708	\$8,700
7B1. Medical-Broad			
Inspection Costs**	67.9	\$18,952	\$19,000
New License	41.5	\$11,582	\$11,600
7B2. Medical-Broad			
Inspection Costs**	84.8	\$23,669	\$23,700
New License	51.8	\$14,456	\$14,500
7C. Medical-Other			
Inspection Costs**	25	\$6,978	\$7,000
New License	23.6	\$6,587	\$6,600
7C1. Medical-Other			
Inspection Costs**	33.3	\$9,281	\$9,300
New License	31.4	\$8,761	\$8,800
7C2. Medical-Other			
Inspection Costs**	41.5	\$11,583	\$11,600
New License	39.2	\$10,935	\$10,900
8. Civil Defense			
8A. Civil Defense			
Inspection Costs**	24.2	\$6,755	\$6,800
New License	9.2	\$2,568	\$2,600
9. Device, product or sealed source evaluation			
9A. Device evaluation-commercial distribution			
Application - each device	39	\$10,885	\$10,900
9B. Device evaluation - custom			
Application - each device	32.4	\$9,043	\$9,000
9C. Sealed source evaluation - commercial distribution			
Application - each source	19	\$5,303	\$5,300
9D. Sealed source evaluation - custom			
Application - each source	3.8	\$1,061	\$1,100
10. Transportation			
10B. Evaluation - Part 71 QA program			
Application - approval	15.1	\$4,215	\$4,200

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2020			
FY2020 Professional Hourly Rate \$279			
Materials Part 170 Fee			
Category	FY 2020 Estimated Professional Process Time	FY 2020 Fee/Cost (Professional Time x FY 2020 Professional Hourly Rate)	FY 2020 Fee/Cost (Rounded)
17. Master Materials License¹			
Inspection Costs**	445.6	\$124,373	\$124,400
New License	397	\$110,808	\$110,800
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 2019 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 III.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 (\$279 for FY 2020). 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 2020.

Note: The FY 2020 & 2019 enacted budget excluded 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) were not be charged fees under the 2019 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.

FY 2020 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		IMPORT/EXPORT ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	99,187.0	1,745.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	15,270.0	434.0	0.0	0.0
CORPORATE	169,384.3	611.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,703.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	285,544.3	2,848.0	0.0	0.0
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2020 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				0.0000
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				0.0000
(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 2020 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				
(9) Fee-Relief Adjustment and LLW Surcharge per licensee				
(10) Part 171 billing adjustments				0.00
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 2)				0.0000
(12) TOTAL FY 2020 ANNUAL FEE (equals 5+8+10+11)				0.0000
(13) Number of Licensees				
(14) Fee Per License (equals 12/13)				different for different categories of licenses; see other worksheets
unrounded annual fee amount per license, actual \$				
rounded annual fee, actual \$				
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	421,471			

**Mission Direct Budgeted Resources Allocated to
Import-Export Fee Class**

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
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
Grand Total Nuclear Reactor Safety	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
<i>PRODUCT LINE/PRODUCTS:</i>						
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						
<i>PRODUCT LINE/PRODUCTS:</i>						
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: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
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						
<i>PRODUCT LINE/PRODUCTS:</i>						
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	0	0.0	0	0.0	0	6.0
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$0		\$0		\$0	

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2020			
FY2020 Professional Hourly Rate \$279			
Materials Part 170 Fee			
Category	FY 2020 Estimated Professional Process Time	FY 2020 Fee/Cost (Professional Time x FY 2020 Professional Hourly Rate)	FY 2020 Fee/Cost (Rounded)
DETERMINATION OF EXPORT AND IMPORT PART 170 FEES FY 2020			
FY 2020 Professional Hourly Rate = \$279			
Export and Import Part 170 Fees Category	FY 2020 Estimated Professional Process Time	FY 2020 Fee/Cost (Professional Time x FY 2020 Professional Hourly Rate)	FY 2020 Fee/Cost (Rounded)
(Hours)*			
10 CFR 170.21, Category K Subcategory			
1	65	18,142	18,100
2	35	9,769	9,800
3	17	4,745	4,700
4	17	4,745	4,700
5	10	2,791	2,800
10 CFR 170.31, Category 15 Subcategory			
A	65	18,142	18,100
B	35	9,769	9,800
C	17	4,745	4,700
D	17	4,745	4,700
E	18	5,024	5,000
F	60	16,747	16,700
G	30	8,373	8,400
H	11	3,070	3,100
I	1	279	300
J	60	16,747	16,700
K	30	8,373	8,400
L	15	4,187	4,200
M	0	0	0
N	0	0	0
O	0	0	0
P	0	0	0
Q	0	0	0
R	5	1,396	1,400
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 2019 Biennial Review			

Part 170 Fees

Reciprocity Fees - Agreement State Licensees

Section III.A.2

The application fee for Agreement State licensees who conduct activities under the reciprocity provisions of 10 CFR 150.20 is determined using FYs 2014 through 2017 data and the FY 2020 professional hourly rate. The FYs 2014-2017 reciprocity fee data was provided as part of the FY 2019 biennial review of fees.

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2020			
FY2020 Professional Hourly Rate \$279			
Materials Part 170 Fee			
Category	FY 2020 Estimated Professional Process Time	FY 2020 Fee/Cost (Professional Time x FY 2020 Professional Hourly Rate)	
DETERMINATION OF RECIPROCITY PART 170 FEES FY 2020			
NOTES: The reciprocity application and revision fees are determined using FYs 2014-2017 data*, and the FY 2019 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 2020 Professional Hourly Rate:		\$279	
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	Number of Inspections Conducted for FY14-17	78	\$8,800
	Total	$\frac{0}{78}$	
	Average for the 4 years	19.5	\$171,600
Initial 241s	Number of Completions for FY14-17	846	\$600
	Total	$\frac{0}{846}$	
	Average for the 4 years	211.5	\$126,900
Revised 241s	Number of Completions for FY14-17	6209	\$100
	Total	$\frac{0}{6209}$	
	Average for the 4 years	1552.25	\$155,225
APPLICATION FEE:			
Amount for inspections [Cost/Initial 241]		\$811	
Amount for initial filing of NRC Form 241[Cost/Initial 241]		\$600	
for revisions to initial filing of NRC Form 241 [Cost/Initial 241]		\$734	
Total Application Fee		\$2,145	
Application Fee Rounded		\$2,100	
* data based on FY 2019 Biennial Review			

Part 170 Fees

General License Registration Fees

Section III.A.2

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

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2020			
FY2020 Professional Hourly Rate \$279			
Materials Part 170 Fee			
Category	FY 2020 Estimated Professional Process Time	FY 2020 Fee/Cost (Professional Time x FY 2020 Professional Hourly Rate)	
DETERMINATION OF GENERAL LICENSE REGISTRATION FEE , FY 2020 (FEE CATEGORY 3Q)			
	<u>Total GL Resources</u>	<u>% Supporting Registrable GLs</u>	<u>Total Supporting Registrable GLs</u>
<u>NMSS GL Program</u>			
budgeted FTE			
	Regions		0.00
	HQ		0.30
budgeted contract \$			
	Regions		\$0
	HQ		\$191,000
full cost of FTE	\$421,471		\$421,471
total budgeted resources, NMSS GL Program (equals full cost of FTE + contract \$)			\$317,441
portion of budgeted resources associated w/fee exempt GLs (nonprofit educational)			\$12,063
net to be recovered			\$305,379
fee assuming 517 registrable GLs			\$590.67
fee, rounded			\$600
Data based on the NRC budget documents and the 10/19 email (NMSS GL program).			

Fees Collected for Prior Year

As part of the NRC's fees transformation, beginning with the FY 2019 final fee rule work papers, we have compared the FY 2019 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 2019 Actual Part 170-User Fees % of Total Collections for the Fee Class	FY 2019 Actual Part 171-Annual Fees % of Total Collections for the Fee Class	FY 2018 Estimated Part 170-User Fees % of Total Collections for the Fee Class	FY 2018 Estimated Part 171-Annual Fees % of Total Collections for the Fee Class
Fee Relief Activities	100%	0%	100%	0%
Operating Power Reactors	32%	68%	35%	65%
Spent Fuel Storage/Reactor Decommissioning	47%	53%	28%	72%
Fuel Facilities	21%	79%	23%	77%
Uranium recovery	87%	13%	80%	20%
Research and Test Reactors	73%	27%	81%	19%
Rare Earth	0%	0%	100%	0%
Materials users	4%	96%	3%	97%
Transportation	78%	22%	73%	27%
Export and Import Fees	0%	0%	100%	0%
Total	32%	68%	34%	66%

As part of improving transparency of the fee setting process, NRC committed to providing more information to identify budgeted activities allocated to user fees or annual fees. The FY 2019 Congressional Budget Justification released on February 12, 2018, included which Products Lines may generally be annual or user fees for each business line.

In addition, NRC started reporting 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 III.B

Part 171 Annual Fees

Application of Fee-Relief Adjustment and LLW Surcharge

Section III.B.1

Table III Table IV

The NRC applies the 10 percent of its budget that is excluded from fee recovery under OBRA-90, as amended (fee relief), to offset the total budget allocated for activities which do not directly benefit current NRC licensees. The 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 2020 budgeted resources for NRC's fee-relief activities are \$79.6 million. The NRC's 10 percent fee relief amount in FY 2020 is \$80.9 million, leaving a \$1.3 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 2020 & 2019, the enacted budget excluded international activities from the fee-recoverable budget.

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

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Research & Test Reactors	257	12.4	597	12.3	(340)	0.1
Oversight						
Enforcement	1.0	0.1	1.1	0.1	(0)	0.0
Inspection	0	3.4	0	3.6	0	(0.2)
Mission IT	0.0	0.0	0.6	0.0	(1)	0.0
Rulemaking						
Rulemaking	0	1.3	0	0.0	0	1.3
Training						
Mission Training	6	0.0	17	0.0	(11)	0.0
Total Direct Resources	264.0	17.2	616	16.0	(352)	1.2
Grand Total Nuclear Reactor Safety	264.0	17.2	616	16.0	(352)	1.2
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Licensing Actions	0	1.3	0	1.3	0	0.0
Licensing Support	0	0.0	1	0.0	(1)	0.0
Oversight						
Allegations & Investigations	0	0.2	0	0.6	0	(0.4)
Enforcement	2.9	0.2	2.9	0.4	0	(0.2)
Event Evaluation	0	0.1	0	0.2	0	(0.1)
Inspection	5.0	0.9	4.9	0.9	0	0.0
IT Infrastructure	0.0	0.0	6	0.0	(6)	0.0
Rulemaking						
Rulemaking	0	0.3	0	0.3	0	0.0
Rulemaking Support	0	0.2	0	0.2	0	0.0
Training						
Mission Training	5	0.0	6	0.0	(1)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	12.9	3.2	21	3.9	(8)	(0.7)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Transportation Certification	0	0.3	0	0.3	0	0.0
Total Direct Resources	0	0.3	0	0.3	0	0.0
Grand Total Nuclear Materials & Waste Safety	12.9	3.5	20.8	4.2	(8)	(0.7)
TOTAL Nonprofit Education Exemption	276.9	20.7	637	20.2	(360)	0.5
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$9,001		\$1,480		\$7,521	

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

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
International Activities						
International Cooperation	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
International Activities						
Conventions & Treaties	0	0.0	0	0.0	0	0.0
International Cooperation	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						
<i>PRODUCT LINE/PRODUCTS:</i>						
International Activities						
Conventions & Treaties	0	0.0	0	0.0	0	0.0
Licensing Import/Export	0	0.0	0	0.0	0	0.0
International Cooperation	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
<i>PRODUCT LINE/PRODUCTS:</i>						
International Activities						
International Technical Cooperation	0	0.0	0	0.0	0	0.0
International Assistance	0	0.0	0	0.0	0	0.0
Travel						
International Activities Travel	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
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
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
<i>PRODUCT LINE/PRODUCTS:</i>						
International Activities						
International Technical Cooperation	0	0.0	0	0.0	0	0.0
Conventions & Treaties	0	0.0	0	0.0	0	0.0
Mission Travel			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 INTERNATIONAL ACTIVITIES	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	

Per the 2019 & 2020 Appropriation International activities are off the Fee Base.

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

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Training						
Mission Training	6	0.0	10	0.0	(4)	0.0
Total Direct Resources	6	0.0	10	0.0	(4)	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Oversight						
Mission Training	0	0.0	10	0.0	(10)	0.0
Training						
Mission Training	25	0.2	26	0.2	(1)	0.0
Total Direct Resources	25	0.2	36	0.2	(11)	0.0
Grand Total Nuclear Reactor Safety	31	0.2	46	0.2	(15)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Oversight						
Allegations & Investigations	0	0.1	0	0.0	0	0.1
Research						
Materials Research	500	1.7	0	0.7	500	1.0
State Tribal and Federal Programs						
Agreement States	0	21.0	125	22.0	(125)	(1.0)
Mission IT	0	0.0	137	0.0	(137)	0.0
Travel						
Agreement State Travel	1,090	0.0	1,090	0.0	0	0.0
Total Direct Resources	1,590	22.8	1,352	22.7	238	0.1
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
Training						
Mission Training	333	0.6	446	0.0	(113)	0.6
Total Direct Resources	333	0.6	446	0.0	(113)	0.6
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
<i>PRODUCT LINE/PRODUCTS:</i>						
Training						
Mission Training	40	0.0	40	0.0	0	0.0
Total Direct Resources	40	0.0	40	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	1,963	23.4	1,838	22.7	125	0.7
TOTAL AGREEMENT STATE OVERSIGHT	1,994	23.6	1,884	22.9	110	0.7
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$11,941		\$11,497		\$444	

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

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
<i>PRODUCT LINE/PRODUCTS:</i>						
Training						
Mission Training	260	0.0	328	0.0	(68)	0.0
Total Direct Resources	260	0.0	328	0.0	(68)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Event Response						
Response Operations	0	0.7	0	0.7	0	0.0
Response Programs	0	0.0	0	1.7	0	(1.7)
Licensing						
Licensing Support	45	8.0	242	7.0	(197)	1.0
Mission IT	124	0.0	124	0.0	0	0.0
Oversight						
Allegations & Investigations	0	0.1	0	0.1	0	0.0
Enforcement	0	0.0	0	0.0	0	0.0
Event Evaluation	301	1.9	860	2.7	(559)	(0.8)
Inspection	6.0	1.3	6.3	2.2	(0)	(0.9)
IT Infrastructure	0.0	0.0	646	0.0	(645.9)	0.0
Rulemaking						
Rulemaking	37	6.5	0	4.6	37	1.9
Rulemaking Support	0	2.5	0	2.5	0	0.0
State Tribal and Federal Programs						
Agreement States	0	0.0	0	1.0	0	(1.0)
Liaison	0	1.4	0	1.4	0	0.0
Training						
Mission Training	600	1.7	682	1.7	(82)	0.0
Total Direct Resources	1,113.0	24.1	2,560.2	25.6	(1,447.2)	(1.5)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Uranium Recovery Environmental Reviews	0	0.0	0	1.0	0	(1.0)
Uranium Recovery Lic. Actions	0	1.5	0	1.5	0	0.0
Total Direct Resources	0	1.5	0	2.5	0	(1.0)
Grand Total Nuclear Materials & Waste Safety	1,373.0	25.6	2,888.2	28.1	(1,515.2)	(2.5)
TOTAL AGREEMENT STATE REGULATORY SUPPORT	1,373.0	25.6	2,888.2	28.1	(1,515.2)	(2.5)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$12,163		\$14,684		(\$2,521)	

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

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Research & Test Reactors	740	5.3	243	12.3	502	(7.8)
Oversight						
Research & Test Reactor Inspection	0	0.2	0	0.0	0	0.2
Training						
Mission Training	0	0.0	17	0.0	(17)	0.0
Total Direct Resources	740	5.5	260	12.3	485	(7.8)
Grand Total Nuclear Reactor Safety	740	5.5	260	12.3	485	(7.8)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Licensing Support	55	2.0	289	2.0	(234)	0.0
Mission IT	0	0.0	0	0.0	0	0.0
Security					0	0.0
Oversight						
Event Evaluation	0	0.1	0	0.2	0	(0.1)
Inspection	0	1.0	0	1.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Total Direct Resources	55	3.1	289	3.2	(234)	(0.1)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Uranium Recovery Env. Reviews	245.7	0.9	546	1.7	(301)	(0.8)
Uranium Recovery Lic. Actions	0	5.3	0	6.9	0	(1.6)
Rulemaking						
Rulemaking	0	1.2	0	1.4	0	(0.2)
Training						
Mission Training	51	0.1	102	0.0	(102)	0.0
Oversight						
Uranium Recovery Inspection	0	0.9	0	1.6	0	(0.7)
Total Direct Resources	296.7	8.4	649	11.6	(403)	(3.3)
Grand Total Nuclear Materials & Waste Safety	351.7	11.5	938	14.8	(637)	(3.4)
PROGRAM: CORPORATE SUPPORT						
Outreach						
Integrated University Program	16,000	0.0	15,000	0.0	1,000	0.0
Grand Total Corporate Support	16,000	0.0	15,000	0.0	1,000	0.0
TOTAL ISL/MOLY99/GENERAL LICENSEES/FELLOWSHIPS & SCHOLARSHIPS	17,091.7	17.0	16,197.5	27.1	848	(11.0)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$24,257		\$27,573		(\$3,316)	

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

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Decomm. Licensing Actions	0	1.3	0	1.9	0	(0.6)
Oversight						
Inspection	0	0.7	0	0.8	0	(0.1)
Total Direct Resources	0	2.0	0	2.7	0	(0.7)
Grand Total Nuclear Materials & Waste Safety	0	2.0	0	2.7	0	(0.7)
TOTAL GENERIC LOW LEVEL WASTE	0	2.0	0	2.7	0	(0.7)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$843		\$1,133		(\$290)	

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

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Decomm. Enviromental Reviews	500	3.0	500	3.0	0	0.0
Decomm. Licensing Actions	58	21.1	439	19.5	(381)	1.6
Mission IT	114	0.0	62	0.0	52	0.0
Policy Outreach	0	0.5	0	0.5	0	0.0
Uranium Recovery Lic. Actions	0	0.0	0	1.0	0	(1.0)
Mission Training						
NSPDP Training	0	0.0	0	1.0	0	(1.0)
Oversight						
Inspections	0	4.8	0	4.6	0	0.2
Research						
Waste Research	300	1.0	300	1.0	0	0.0
Rulemaking						
Rulemaking	0	4.4	0	4.6	0	(0.2)
Total Direct Resources	972	34.8	1,301	35.2	(329)	(0.4)
Grand Total Nuclear Materials & Waste Safety	972	34.8	1,301	35.2	(329)	(0.4)
TOTAL GENERIC DECOMMISSIONING & RECLAMATION	972	34.8	1,301	35.2	(329)	(0.4)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$11,993		\$13,007		(\$1,014)	

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**

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Oversight					0	0.0
Mission IT	0	0.0	18	0.0	(18)	0.0
Total Direct Resources	0	0.0	18	0.0	(18)	0.0
Grand Total Nuclear Reactor Safety	0	0.0	18	0.0	(18)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Policy Outreach	0	0.5	0	0.5	0	0.0
Oversight						
LLW Regulation & Oversight	50	5.0	111	5.0	(61)	0.0
Rulemaking						
Rulemaking	50	2.4	100	3.0	(50)	(0.6)
Rulemaking Support	0	0.0	0	0.0	0	0.0
Total Direct Resources	100	7.9	211	8.5	(111)	(0.6)
Grand Total Nuclear Materials & Waste Safety	100	7.9	211	8.5	(111)	(0.6)
TOTAL GENERIC LOW LEVEL WASTE	100	7.9	229	8.5	(129)	(0.6)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$3,430		\$3,797		(\$367)	

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

□

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Decomm. Licensing Actions	400	2.2	400	2.8	0	(0.6)
Oversight						
Inspection	0	1.0	0	1.2	0	(0.2)
Total Direct Resources	400	3.2	400	4.0	0	(0.8)
Grand Total Nuclear Materials & Waste Safety	400	3.2	400	4.0	0	(0.8)
TOTAL GENERIC LOW LEVEL WASTE	400	3.2	400	4.0	0	(0.8)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$1,749		\$2,079		(\$330)	

FY 2020 FEE-RELIEF ACTIVITIES AND LLW GENERIC SURCHARGE

FTE rate: \$421,471

	DIRECT RESOURCES		Less Part 170	FEE AMOUNT
	\$,M	FTE	materials decommissioning revenue, \$ M	(\$,M)
TOTAL NRC				
NONPROFIT EDUCATIONAL EXEMPTION	0.3	20.7		9.0
INTERNATIONAL ACTIVITIES	0.0	0.0		0.0
SMALL ENTITY SUBSIDY				7.6
AGREEMENT STATE OVERSIGHT	2.0	23.6		11.9
REGULATORY SUPPORT TO AGREEMENT STATES	1.4	25.6		12.2
URANIUM RECOVERY PROGRAM & UNREGISTERED GENERAL LICENSES	17.1	17.0		24.3
DECOMMISSIONING/RECLAMATION GENERIC	1.0	34.8	3.6	12.0
MILITARY RADIUM 226	0.4	3.2		1.7
NON-MILITARY RADIUM 226	0.0	2.0		0.8
LLW GENERIC SURCHARGE	0.1	7.9		3.4
TOTAL	22.21	134.8		83.0

To meet the 90% fee recovery requirement for FY 2020, the Fee-Relief Activities are reduced by 10% of NRC's FY 2020 net budget authority (appropriation less Non-Recoverable Fee Items¹, as shown below)

	(\$,M)
Fee-Relief Activity (Total above less LLW generic surcharge) ²	79.56
Budget Authority minus Non-Fee Items	808.9
Percent reduction in fee recovery amount for FY 2020	10.0%
Reduction in annual fee recovery amount for FY 2020	80.89
Delta, Fee-Relief Activity (less generic LLW) and reduction in fee recovery amt	-1.33
Generic LLW Surcharge amount	3.4
Net adjustment to fee assessments	2.1

DISTRIBUTION OF ADJUSTMENT TO FEE ASSESSMENTS

	LLW GENERIC SURCHARGE		FEE-RELIEF ACTIVITIES		TOTAL ADJUSTMENT
	PERCENT	\$,M	PERCENT	\$,M	\$,M
POWER REACTORS	87.4%	2.997	86.4%	-1.152	1.845
SPENT FUEL STORAGE/REACTOR DECOMMISSIONING	0.0%	0.000	5.4%	-0.071	-0.071
TEST AND RESEARCH REACTORS	0.0%	0.000	0.5%	-0.006	-0.006
FUEL FACILITIES	10.0%	0.343	3.4%	-0.045	0.298
MATERIALS	2.6%	0.089	3.8%	-0.051	0.039
TRANSPORTATION	0	0.000	0.5%	-0.007	-0.007
RARE EARTH FACILITIES	0	0.000	0.0%	0.000	0.000
URANIUM RECOVERY	0	0.000	0.1%	-0.001	-0.001
TOTAL	100	3.430	100.0%	-1.334	2.096

NOTES:

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

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

Part 171 Annual Fees

Operating Power Reactors

Section III.B.2.a

Table VI

The budgeted costs to be recovered through annual fees to power reactors are divided equally among the 95 power reactors licensed to operate. This results in a FY 2020 annual fee of \$4,621,000 per reactor. Additionally, each power reactor licensed to operate would be assessed the FY 2020 spent fuel storage/reactor decommissioning annual fee of \$188,000. This results in a total FY 2020 annual fee of \$5,809,000 for each power reactor licensed to operate.

Note: 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 2020 for this type of licensee.

FY 2020 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		POWER REACTORS ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	99,187.0	1,745.0	64,125.4	1,326.6
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	15,270.0	434.0	107.7	1.4
CORPORATE	169,384.3	611.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,703.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	285,544.3	2,848.0	64,233.1	1,328.0
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2020 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				623.9
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				186.7
(3) PART 171 ALLOCATIONS (equals 1 - 2)				437.2
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				0.2
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				437.5
(6) FY 2020 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				624.2
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				86.41%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge				1.8
(9) Fee-Relief Adjustment and LLW Surcharge per licensee				0.02
(10) Part 171 billing adjustments				2.4
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 2)				-2.7
(12) TOTAL FY 2020 ANNUAL FEE (equals 5+8+10+11)				439.0
(13) Number of Licensees				95
(14) Fee Per License (equals 12/13)				4.62
unrounded annual fee amount per license, actual \$				4,621,493
rounded annual fee, actual \$				4,621,000
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	421,471			

**Mission Direct Budgeted Resources Allocated to
Power Reactors Fee Class**

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
<i>PRODUCT LINE/ PRODUCTS:</i>						
International Activities						
International Cooperation	0	0.0	0	0.0	0	0.0
Licensing						
Combined Licenses	0	0.0	0	7.0	0	(7.0)
Design Certification	1,250	47.0	1,840	59.0	(590)	(12.0)
Early Site Permit	475	11.0	480	14.0	(5)	(3.0)
EDO Operations	0	1.0	0	1.0	0	0.0
IT Infrastructure	1,605	0.0	1,451	0.0	154	0.0
Licensing Actions	150	19.0	150	22.0	0	(3.0)
Licensing Support	936	32.0	2,097	32.0	(1,161)	0.0
Mission IT	2,740	5.0	2,432	5.0	308	0.0
NSPDP Training	0	0.0	0	1.0	0	(1.0)
Operator Licensing	0	7.0	0	11.0	0	(4.0)
Pre-Application Reviews	0	10.0	0	9.0	0	1.0
Part 50	0	0.0	0	6.0	0	(6.0)
Oversight						
Allegations & Investigations	0	8.9	0	8.9	0	0.0
Construction Inspection	210	39.0	210	38.0	0	1.0
Emergency Preparedness	0	1.0	0	1.0	0	0.0
Enforcement	6	2.0	6	3.0	0	(1.0)
Mission IT	0	0.0	0	0.0	0	0.0
NSPDP Training	0	0.0	0	1.0	0	(1.0)
Part 50	0	0.0	0	4.0	0	(4.0)
Security	238	3.0	600	4.0	(362)	(1.0)
Vendor Inspection	20	11.0	60	15.0	(40)	(4.0)
Research						
New Reactors Research	2,535	10.0	2,685	11.0	(150)	(1.0)
Rulemaking (PL)						
Rulemaking	0	9.0	0	9.0	0	0.0
Rulemaking Support	0	0.0	0	1.0	0	(1.0)
Training						
Mission Training	959	9.0	1,045	9.0	(86)	0.0
Mission IT	85	0.0	30	0.0	55	0.0
NSPDP Training	0	2.0	0	0.0	0	2.0
Total Direct Resources	11,209	226.9	13,086	271.9	(1,877)	(45.0)
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Event Response						
Mission IT/Infrastructure	4,344	11.0	7,485	14.0	(3,141)	(3.0)
Other Response Activities	1,420	0.0	1,607	0.0	(187)	0.0
Response Operations	125	19.0	125	19.0	0	0.0
Response Program	0	15.0	0	15.0	0	0.0
Licensing						
EDO Operations	0	3.0	0	3.0	0	0.0
Emergency Preparedness	0	4.0	0	8.0	0	(4.0)
Fukushima NTTF/Japan Lessons Learned	400	10.0	650	21.0	(250)	(11.0)
License Renewal	170	39.0	589	38.0	(419)	1.0
Licensing Actions	1,656	153.0	5,339	164.0	(3,683)	(11.0)
Licensing Support	1,565	82.0	4,456	59.0	(2,891)	23.0
Mission IT	241	0.0	150	0.0	91	0.0
NSPDP Training	0	0.0	0	4.0	0	(4.0)
Operator Licensing	255	38.0	405	35.0	(150)	3.0
Policy Outreach	0	3.0	0	3.0	0	0.0
RIC	0	1.0	718	2.0	(718)	(1.0)
Security	250	11.0	250	13.0	0	(2.0)
Oversight						
Allegations & Investigations	25	49.9	25	53.9	0	(4.0)
Emergency Preparedness	0	20.0	0	20.0	0	0.0
Enforcement	116	16.7	116	15.7	0	1.0

**Mission Direct Budgeted Resources Allocated to
Power Reactors Fee Class**

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
Event Evaluation	0	35.0	0	36.0	0	(1.0)
Fukushima NTTF	0	7.0	0	7.0	0	0.0
Inspection	2,200	319.0	2,878	330.0	(678)	(11.0)
Information Services	1,181	0.0	0	0.0	1,181	0.0
IT Infrastructure	1,874	0.0	5,030	0.0	(3,156)	0.0
Mission IT	4,760	5.0	3,765	6.0	996	(1.0)
NSPDP Training	0	0.0	0	4.0	0	(4.0)
Security	3,745	57.0	3,755	57.0	(10)	0.0
Vendor Inspection	0	2.0	0	2.0	0	0.0
Research						
Aging & Materials Research	5,091	20.0	4,991	20.0	100	0.0
Digital I&C & Electrical Res.	0	0.0	0	0.0	0	0.0
Engineering Research	2,911	24.0	3,483	24.0	(572)	0.0
Generic Issues & Oper. Exp.	0	2.0	0	4.0	0	(2.0)
Mission IT	2,736	2.0	3,260	3.0	(524)	(1.0)
NSPDP Training	0	0.0	0	2.0	0	(2.0)
Reactor Research	0	7.0	0	7.0	0	0.0
Reactor Safety Codes & Analysis	0	0.0	0	0.0	0	0.0
Risk Analysis	6,215	50.0	8,071	51.0	(1,856)	(1.0)
Systems Analysis Research	7,247	23.0	2,842	22.0	4,405	1.0
Rulemaking (PL)						
Rulemaking	225	23.7	730	29.0	(505)	(5.3)
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Rulemaking Support	300	13.0	200	18.0	100	(5.0)
Training						
Business Process Improvements	0	0.6	0	0.6	0	0.0
Organizational Development	70	0.0	0	0.0	70	0.0
Mission IT	744	0.0	763	0.0	(19)	0.0
Mission Training	3,050	24.8	3,276	24.8	(226)	0.0
NSPDP Training	0	9.0	0	0.0	0	9.0
Total Direct Resources	52,916	1099.7	64,959	1,135.0	(12,043)	(35.3)
Grand Total Nuclear Reactor Safety	64,125	1326.6	78,045	1,406.9	(13,920)	(80.3)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Oversight						
Inspection	6	0.0	6	0.0	0	0.0
State, Tribal and Federal Programs						
Liaison	0	0.8	0	0.8	0	0.0
Training						
Mission Training	102	0.2	116	0.2	(14)	0.0
Total Direct Resources	108	1.0	122	1.0	(14)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Decomm. Licensing Actions	0	0.0	0	1.0	0	(1.0)
Total Direct Resources	0	0.0	0	1.0	0	(1.0)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Storage Licensing	0	0.0	0	1.0	0	(1.0)
Rulemaking (PL)						
Rulemaking	0	0.4	0	0.4	0	0.0
Training						
Mission Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.4	0	1.4	0	(1.0)
Grand Total Nuclear Materials & Waste Safety	107.7	1.4	122	3.4	(14)	(2.0)

**Mission Direct Budgeted Resources Allocated to
Power Reactors Fee Class**

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
TOTAL POWER REACTORS	64,233.1	1,328.0	78,167	1,410.3	(13,934)	(82.3)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	623,947		670,164		(\$46,217)	
<p>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.</p>						

OPERATING POWER REACTOR ANNUAL FEE
FY 2020

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

Westinghouse	47
General Electric	32
Combustion Engineering	11
Babcock & Wilcox	<u>5</u>
TOTAL REACTORS	95

DETERMINATION OF ANNUAL FEE:

TOTAL BUDGETED COSTS FOR OPERATING POWER REACTORS (PRIOR TO PART 170 & OTHER ADJUSTMENTS)	\$623,947,235
ANNUAL FEE PER REACTOR (rounded) (BUDGETED COSTS DIVIDED BY 95 OPERATING POWER REACTORS)	\$ 4,621,000
PLUS SPENT FUEL STORAGE/ REACTOR DECOMMISSIONING ANNUAL FEE	\$188,000
TOTAL ANNUAL FEE PER LICENSE	\$ 4,809,000

**Reconciliation of Operating & New Reactor
Business Line vs. Fee Class**

(Dollars in thousands)

Product Lines	Reactor Business Lines (CBJ)	
	Contract \$	FTE
Event Response	8,645.0	45.0
Generic Homeland Security	100.0	8.0
International Activities	120.0	22.0
Licensing	18,604.0	505.0
Oversight	20,373.0	586.0
Rulemaking	525.0	47.0
Research	40,173.0	175.0
Mission Support/Supervisors	3,420.0	401.0
State/Tribal/Federal Programs	0.0	0.0
Training	4,994.0	35.0
Travel	15,548.0	0.0
	<u>\$ 112,502.0</u>	<u>1824.0</u>
FTE rate \$184,000 times 1485 FTEs & \$188,000 times 339 FTEs (includes Salaries & Benefits only)		<u>\$ 336,972.0</u>
Total Business Line Budget (BL)	\$ 112,502.0	\$ 336,972.0 = \$ 449,474.0

**Power Reactor Fee Class
(Proposed Fee Rule)**

Deductions from BL resources		
Event Response ⁵	(2,756.0)	0.0
Generic Homeland Security ¹	(100.0)	(8.0)
International Activities ¹	(120.0)	(22.0)
Licensing ^{3,5}	(6,911.0)	(29.0)
Oversight ^{3,5}	(5,997.6)	(9.5)
Research ^{1,5}	(13,438.0)	(37.0)
Rulemaking ³	-	(1.3)
Mission Support/Supervisors ^{2,5}	(3,420.0)	(390.0)
Training ^{3,5}	(86.0)	(0.6)
Travel ²	(15,548.0)	0.0
	<u>(\$48,376.6)</u>	<u>(497.4)</u>
Increases from Other resources		
Oversight ⁴	5.7	0.0
Rulemaking ⁴	0.0	0.4
State/Tribal/Federal Programs ⁴	0.0	0.8
Training ⁴	102.0	0.2
	<u>\$107.7</u>	<u>1.4</u>
BL resources w/ fee rule allocations	\$ 64,233.1	1328.0
FTE fully costed rate \$421,471 times 1328 FTEs (includes Salaries, Benefits, indirect resources & agency support)		<u>\$ 559,713.5</u>
Total Fee Class Budget	\$ 64,233.1	\$ 559,713.5 = \$ 623,946.60
Variiances	\$ (48,268.9)	(496) \$ 222,741.5 = \$ 174,472.6

Notes:

Deductions include: Exclusion Items¹, Indirect resources², resources allocated to other fee classes/fee relief categories³ and Carryover/Appropriation reductions⁵

Increases include: resources allocated from other Business Lines⁴
(i.e. Nuclear Materials and Decommissioning/LLW)

Consumer Price Index* Trend Analysis

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Average	Operating Reactor Annual Fee Ceiling Based on CPI in Accordance with NEIMA**
2014	1.6	1.1	1.5	2	2.1	2.1	2	1.7	1.7	1.7	1.3	0.8	1.6	\$5,223,000
2015	-0.1	0	-0.1	-0.2	0	0.1	0.2	0.2	0	0.2	0.5	0.7	0.1	\$4,807,000
2016	1.4	1	0.9	1.1	1	1	0.8	1.1	1.5	1.6	1.7	2.1	1.3	\$4,869,491
2017	2.5	2.7	2.4	2.2	1.9	1.6	1.7	1.9	2.2	2	2.2	2.1	2.1	\$4,971,750
2018	2.1	2.2	2.4	2.5	2.8	2.9	2.9	2.7	2.3	2.5	2.2	1.9	2.5	\$5,096,044
2019	1.6	1.5	1.9	2	1.8	1.6	1.8	1.7	1.7	1.8	2.1	2.3	1.8	\$5,187,773
Average	1.5	1.4	1.5	1.6	1.7	1.7	1.6							

*Consumer Price Index (CPI-U) data is provided by the U.S. Department of Labor Bureau of Labor Statistic.

**Changes in the annual fees are based on the Consumer Price Index starting in fiscal year 2016.

Part 171 Annual Fees

Spent Fuel Storage/Reactor Decommissioning

Section III.B.2.b

Table VII

For FY 2020, budgeted costs of approximately \$22.9 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 2020 annual fee of \$188,000 per licensee.

FY 2020 MISSION DIRECT BUDGETED RESOURCES			SPENT FUEL STORAGE/ REACTOR DECOMM.	
	TOTAL		ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	99,187.0	1,745.0	1.4	0.4
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	15,270.0	434.0	3,538.7	81.2
CORPORATE	169,384.3	611.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,703.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	285,544.3	2,848.0	3,540.1	81.6
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2020 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				37.9
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				15.9
(3) PART 171 ALLOCATIONS (equals 1 - 2)				22.1
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				0.8
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				22.8
(6) FY 2020 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				38.7
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				5.36%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge				-0.1
(9) Fee-Relief Adjustment and LLW Surcharge per licensee				0.00
(10) Part 171 billing adjustments				0.1
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 2)				0.000
(12) TOTAL FY 2020 ANNUAL FEE (equals 5+8+10+11)				22.9
(13) Number of Licensees				122
(14) Fee Per License (equals 12/13)				0.188
unrounded annual fee amount per license, actual \$				187,725
rounded annual fee, actual \$				188,000
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	421,471			

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

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Oversight						
Allegations & Investigations	0	0.1	0	0.1	(0)	0.0
Total Direct Resources	0	0.1	0	0.1	(0)	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Training						
Business Process Improvement	0	0.1	0	0.1	0	0.0
Oversight						
Allegations & Investigations	0	0.1	0	0.1	0	0.0
Enforcement	1	0.1	1	0.1	0	0.0
Mission IT	0	0.0	7	0.0	0	0.0
Security	0	0.0	0	0.0	0	0.0
Total Direct Resources	1.4	0.3	8	0.3	(7)	0.0
Grand Total Nuclear Reactor Safety	1.4	0.4	8.1	0.4	(7)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Licensing Actions	0	0.5	0	0.0	0	0.5
Total Direct Resources	0	0.5	0	0.0	0	0.5
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
EDO Operations	0	0.5	0	0.5	0	0.0
Oversight						
Enforcement	2	0.2	2	0.4	0	(0.2)
Inspection	6	0.0	6	0.0	0	0.0
Training						
Mission Training	37	0.2	24	0.2	13	0.0
Total Direct Resources	44.7	0.9	31.7	1.1	13	(0.2)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Decommissioning Licensing Actions	73	5.6	0	6.0	73	(0.4)
Decommissioning Environmental Reviews	100	0.0	0	0.0	100	0.0
IT Infrastructure	407	0.0	312	0.0	95	0.0
Oversight						
Inspection	0	6.5	0	6.4	0	0.1
Training						
Mission Training	138	0.3	183	0.0	(45)	0.3
Total Direct Resources	718	12.4	495	12.4	223	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Emergency Preparedness	0	0.0	0	1.0	0	(1.0)
Environmental Reviews	1400	6.0	117	6.0	1,283	0.0
IT Infrastructure	0	0.0	182.5	0.0	(183)	0.0
Licensing Actions	140	4.0	155	3.0	(15)	1.0
Licensing Support	100	9.0	553	8.8	(453)	0.2
Mission IT/Infrastructure	119	0.0	257	0.6	(138)	(0.6)
NSPDP Training	0	0.0	0	0.5	0	(0.5)
Policy Outreach	0	0.5	0	0.5	0	0.0
Security	0	3.0	0	3.0	0	0.0
Storage Licensing	452	25.0	300	23.0	152	2.0
Oversight						
Security	0	2.0	0	3.0	0	(1.0)
Inspection	0	10.0	0	8.5	0	1.5
Research						
Waste Research	514	3.0	615	2.0	(101)	1.0
Rulemaking						
Rulemaking (PL)	0	4.0	0	4.0	0	0.0
Rulemaking Support	0	0.4	0	0.4	0	0.0

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

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
Training						
Mission Training	51	0.5	51	0.0	0	0.5
Total Direct Resources	2,776.0	67.4	2,231	64.3	546	3.1
Grand Total Nuclear Materials & Waste Safety	3,538.7	81.2	2,757.2	77.8	782	3.4
TOTAL SPENT FUEL STORAGE & REACTOR DECOMM.	3,540.1	81.6	2,765	78.2	775	3.4
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$37,932		\$35,591		\$2,341	

SPENT FUEL STORAGE/REACTOR DECOMMISSIONING
ANNUAL FEE
FY 2020

LICENSES SUBJECT TO THE ANNUAL FEE:

Operating Power Reactor Licensees: 95

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
Oyster Creek	50-219
Pilgrim	50-293
Three Mile Island	50-289
Indian Point Unit 2	50-247

Total No. of Reactors in decommissioning or possession only status
with fuel onsite: 23

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 \$22.9 million (including the fee-relief activities) by the total number of licensees (122). This results in an annual fee (rounded) of \$188,000 per license.

**Reconciliation of Spent Fuel Storage/
Transportation Business Line vs. Fee Class**
(Dollars in thousands)

**Spent Fuel Storage/
Transportation Business Line
(CBJ)**

Product Lines	Contract \$	FTE
Event Response	0.0	0.0
Generic Homeland Security	0.0	0.0
International Activities	0.0	2.0
Licensing	3,769.0	62.0
Oversight	0.0	13.0
Research	514.0	3.0
Rulemaking	0.0	6.0
Mission Support/Supervisors	0.0	15.0
State/Tribal/Federal Programs	0.0	0.0
Training	138.0	0.0
Travel	575.0	0.0
	<u>\$ 4,996.0</u>	<u>101.0</u>

FTE rate \$190,000 times 101 FTEs
(includes Salaries & Benefits only)

\$ 19,190.0

Total Business Line Budget (BL)

\$ 4,996.0 \$ 19,190.0 = \$ 24,186.0

**Spent Fuel Storage/ Reactor
Decommissioning
Fee Class (Proposed Fee Rule)**

Deductions from BL resources

Event Response ³	0.0	0.0
Generic Homeland Security ¹	0.0	0.0
International Activities ¹	0.0	(2.0)
Licensing ^{3,5}	(1,558.0)	(14.0)
Oversight ³	0.0	(1.0)
Mission Support/Supervisors ^{2,5}	0.0	(15.0)
Research ³	0.0	0.0
Rulemaking ³	0.0	(1.6)
State/Tribal/Federal Programs ³	0.0	0.0
Training ^{3,5}	(87.0)	0.0
Travel ^{2,5}	(575.0)	0.0
	<u>(\$2,220.0)</u>	<u>(33.6)</u>

Increases from Other resources

International Activities ⁴	0.0	0.0
Licensing ⁴	580.0	6.6
Oversight ⁴	9.1	7.0
Training ⁴	175.0	0.6
	<u>764.1</u>	<u>14.2</u>

BL resources w/ fee rule allocations

\$ 3,540.1 81.6

FTE fully costed rate \$421,471 times 81.6 FTEs

(includes Salaries, Benefits, indirect resources & agency support)

\$ 34,392.0

Total Fee Class Budget

\$ 3,540.1 \$ 34,392.0 = \$ 37,932.10

Variances

\$ (1,455.9) (19.4) \$ 15,202.0 \$ 13,746.1

Notes:

Deductions include: Exclusion Items¹, Indirect resources², resources allocated to other fee classes/fee relief categories³ and Carryover/Appropriation reductions⁵

Increases include: resources allocated from other Business Lines⁴
(i.e. Nuclear Materials and Decommissioning/LLW)

Part 171 Annual Fees

Fuel Facilities

Section III.B.2.c

Table VIII

Table IX

Table X

The FY 2020 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 \$18.0 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 2020 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		FUEL FACILITY ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	99,187.0	1,745.0	0.0	0.1
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	15,270.0	434.0	1,227.7	52.1
CORPORATE	169,384.3	611.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,703.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	285,544.3	2,848.0	1,227.7	52.2
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2020 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				23.2
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				6.8
(3) PART 171 ALLOCATIONS (equals 1 - 2)				16.5
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				1.1
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				17.6
(6) FY 2020 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				24.4
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				3.37%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge				0.3
(9) Fee-Relief Adjustment and LLW Surcharge per licensee				
(10) Part 171 billing adjustments				0.1
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 2)				0.000
(12) TOTAL FY 2020 ANNUAL FEE (equals 5+8+10+11)				18.0
(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 FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	421,471			

**Mission Direct Budgeted Resources for
Fuel Facilities Fee Class**

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Oversight						
Mission IT	0	0.0	8	0.0	(8)	0.0
Training						
Business Process Improvements	0	0.1	0	0.1	0	0.0
Total Direct Resources	0	0.1	8	0.1	(8)	0.0
Grand Total Nuclear Reactor Safety	0	0.1	8	0.1	(8)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
<i>PRODUCT LINE/PRODUCTS:</i>						
Event Response						
Response Operations	30	2.0	30	2.0	0	0.0
Licensing						
Licensing Actions	756	14.0	955	23.0	(199)	(9.0)
Policy Outreach	0	1.0	0	1.0	0	0.0
Security	50	3.0	0	3.0	50	0.0
Oversight						
Allegations & Investigations	0	1.0	0	0.0	0	1.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	10	3.0	10	2.0	0	1.0
Inspection	0	19.5	0	25.0	0	(5.5)
IT Infrastructure	0	0.0	367	0.0	(367)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Mission IT	9	0.0	9	0.0	0	0.0
Security	100	5.0	312	6.0	(212)	(1.0)
Rulemaking (PL)						
Rulemaking	0	3.0	0	4.0	0	(1.0)
Training						
Mission Training	201	0.0	253	0.0	(52)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	1,156.0	51.5	1,936	66.0	(780)	(14.5)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Oversight						
Inspection	6	0.0	6	0.0	0	0.0
State Tribal and Federal Programs						
Liaison	0	0.4	0	0.4	0	0.0
Training						
Mission Training	54	0.2	43	0.2	11.0	0.0
Total Direct Resources	59.7	0.6	48.7	0.6	11.0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
Training						
Mission Training	12	0.0	16	0.0	(4)	0.0
Oversight						
Inspection	0	0.0	0	0.0	0	0.0
Total Direct Resources	12.0	0.0	16.0	0.0	(4)	0.0
Grand Total Nuclear Materials & Waste Safety	1,227.7	52.1	2,000.7	66.6	(773)	(14.5)
TOTAL FUEL FACILITY	1,227.7	52.2	2,009	66.7	(781)	(14.5)
+ mission direct contract \$)	23,228		30,007		(\$6,779)	

**FUEL FACILITY ANNUAL FEES
FY 2020**

Part 171 Amount	\$17,611,033
Less Billing Adjustment	94,472
Less Recession Adjustment	0
TOTAL	<u>\$17,705,505</u>

	<u>SAFETY</u>	<u>SAFEGUARDS</u>	<u>TOTAL</u>	<u>FEE-RELIEF</u>	<u>TOTAL ANNUAL FEE</u>
Allocation of Part 171 Amount to Safety/Safeguards	\$10,077,662	\$7,627,843	\$17,705,505	\$297,965	\$18,003,470

EFFORT FACTORS

<u>FEE CATEGORY</u>	<u>NUMBER OF LICENSES</u>	<u>Safety</u>		<u>Safeguards</u>		<u>Total</u>	
			%		%		%
1A(1)(a) SSNM (HEU)	2	88	48.6%	91	66.4%	179	56.3%
1A(1)(b) SNM (LEU)	3	70	38.7%	21	15.3%	91	28.6%
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	16	8.8%	23	16.8%	39	12.3%
2A(1) UF6 (Honeywell)	1	7	3.9%	2	1.5%	9	2.8%
TOTAL	<u>7</u>	<u>181</u>	100.0%	<u>137</u>	100%	<u>318</u>	100%
		% of total	56.9%	43.1%			

ALLOCATION to CATEGORY

<u>Fee Category</u>		(1)	(2)	(3)	(4)	(5) TOTAL ANNUAL FEE PER LICENSE	FY 2020 Annual Fee Rounded
1A(1)(a) SSNM (HEU)	2	\$4,899,637	\$5,066,670	\$9,966,306	\$167,722	\$5,067,014	\$5,067,000
1A(1)(b) SNM (LEU)	3	3,897,438	1,169,231	5,066,670	\$85,267	\$1,717,312	\$1,717,000
1A(2)(a) LIMITED OPS (Paducah)	0	0	0	0	\$0	\$0	\$0
1A(2)(b) OTHERS (Gas centrifuge enrichment demonstration)	0	0	0	0	\$0	\$0	\$0
1A(2)(c) OTHERS (hot cell facility)	0	0	0	0	\$0	\$0	\$0
1E ENRICHMENT	1	890,843	1,280,587	2,171,430	\$36,543	\$2,207,973	\$2,208,000
2A(1) UF6 (Honeywell)	1	389,744	111,355	501,099	\$8,433	\$509,532	\$510,000
	<u>7</u>	<u>\$10,077,662</u>	<u>\$7,627,843</u>	<u>\$17,705,505</u>	<u>\$297,965</u>		

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 2020 ANNUAL FEES - EFFORT FACTOR MATRIX**

CATEGORY	LICENSEE	DOCKET	FEE CATEGORY	PROCESSES														SUBTOTALS		TOTAL						
				SOLID UF6/METAL		ENRICHMENT		LIQUID UF6		HEU DOWN BLEND		CONVERSION POWDER		PELLET		ROD/BUNDLE					SCRAP/WASTE		HOT CELL		SENSITIVE INFORMATION	
				S	SG	S	SG	S	SG	S	SG	S	SG	S	SG	S	SG	S	SG		S	SG	S	SG		
Fuel Fabrication (HEU)	BWXT (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	5	0	0	1	10	41	45	86
Uranium Enrichment	LES (SNM-2010)	70-03103	1E	5	1	5	10	1	1	0	0	0	0	0	0	0	0	5	1	0	0	0	10	16	23	39
	Centrus ACP (SNM-2011)*	70-07004	1E	5	1	5	10	1	1	0	0	0	0	0	0	0	0	5	1	0	0	0	10	-	-	-
	Global Laser Enrich (SNM-2019)*	70-07016	1E	5	1	5	10	1	1	0	0	0	0	0	0	0	0	5	1	0	0	0	10	-	-	-
Fuel Fabrication (LEU)	Global Nuclear Fuels (SNM-1097)	70-01113	1A(1)(b)	5	1	1	0	1	1	0	0	5	1	5	1	1	1	5	1	0	0	1	1	24	7	31
	Framatome (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	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	7	2	9
	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	-	-	-
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

Not in op.
Not in op.

Not in op.

S = Safety
SG = Safeguards

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

TOTALS 181 137 318

Changes from Prior Year:

No Changes 1
New Addition 0

- Notes:
- 1 Centrus ACP is licensed, but not proceeding with construction.
 - 2 Global Laser Enrichment is licensed, but not proceeding with construction.
 - 3 International Isotopes is licensed, but not proceeding with construction.
 - 4 Honeywell effort factors for Liquid UF6 reduced to zero while in idle status

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

Division Director, DFM

Reconciliation of Fuel Facilities Business Line vs. Fee Class

(Dollars in thousands)

Product Lines	Fuel Facilities Business Line (CBJ)	
	Contract \$	FTE
Event Response	30.0	2.0
Generic Homeland Security	1,800.0	3.0
International Activities	0.0	7.0
Licensing	800.0	23.0
Oversight	559.0	30.0
Rulemaking	0.0	3.0
Mission Support/Supervisors	0.0	20.0
State/Tribal/Federal Programs	0.0	0.0
Training	491.0	0.0
Travel	1,057.0	0.0
	<u>\$ 4,737.0</u>	<u>88.0</u>
FTE rate \$184,300 times 88 FTEs (includes Salaries & Benefits only)		\$ 16,218.4
Total Business Line Budget (BL)	\$ 4,737.0	\$ 16,218.4 = \$ 20,955.4

Fuel Facilities Fee Class (Proposed Fee Rule)

Deductions from BL resources		
Generic Homeland Security ¹	(1,800.0)	(3.0)
International Activities ¹	0.0	(7.0)
Licensing ^{3,5}	0.0	(5.0)
Oversight ^{3,5}	(434.0)	(1.5)
Mission Support/Supervisors ^{2,5}	0.0	(20.0)
Training ³	(290.0)	0.0
Travel ²	(1,057.0)	0.0
	<u>(\$3,581.0)</u>	<u>(36.5)</u>
Increases from Other BL resources		
Oversight ⁴	5.7	0.0
State/Tribal/Federal Programs ⁴	0.0	0.4
Training ⁴	66.0	0.3
	<u>\$71.7</u>	<u>0.7</u>
BL resources w/ fee rule allocations	\$ 1,227.7	52.2
FTE fully costed rate \$421,471 times 52.2 FTEs (includes Salaries, Benefits, indirect resources& agency support)		\$ 22,000.8
Total Fee Class Budget	\$ 1,227.7	\$ 22,000.8 = \$ 23,228.50
Variiances	\$ (3,509.3)	(35.8) \$ 5,782.4 \$ 2,273.1

Notes:

Deductions include: Exclusion Items ¹, Indirect resources ², resources allocated to other fee classes/fee relief categories ³ and Carryover/Appropriation reductions ⁵

Increases include: resources allocated from other Business Lines ⁴
(i.e. Nuclear Materials and Decommissioning/LLW)

Part 171 Annual Fees

Uranium Recovery Facilities

Section III.B.2.d

Table XI
Table XII
Table XIII
Table XIV

The total FY 2020 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 \$169,000 (rounded).

Of the required annual fee collections, \$120,000 is assessed to DOE's Uranium Mill Tailings Radiation Control Act (UMTRCA) under fee category 18.B. The remaining \$49,000 (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.)

FY 2020 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		URANIUM RECOVERY ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$.K	FTE	\$.K	FTE
NUCLEAR REACTOR SAFETY	99,187.0	1,745.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	15,270.0	434.0	71.3	1.2
CORPORATE	169,384.3	611.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,703.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	285,544.3	2,848.0	71.3	1.2
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2020 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				0.58
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				0.41
(3) PART 171 ALLOCATIONS (equals 1 - 2)				0.17
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				0.2
(6) FY 2020 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				0.6
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				0.08%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge				0.0
(9) Fee-Relief Adjustment and LLW Surcharge per licensee				
(10) Part 171 billing adjustments				0.0
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 2)				0.000
(12) TOTAL FY 2020 ANNUAL FEE (equals 5+8+10+11)				0.17
(13) Number of Licensees				
(14) Fee Per License (equals 12/13)				
unrounded annual fee amount per license, actual \$				different for different categories of licenses; see other worksheets
rounded annual fee, actual \$				
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	421,471			

**Mission Direct Budgeted Resources for
Uranium Recovery Fee Class**

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
Decommissioning Licensing Actions	0.0	0.8	0.0	0.8	0.0	0.0
Uranium Recovery Envir. Reviews	4.3	0.1	53.7	0.3	(49.4)	(0.2)
Uranium Recovery Lic. Actions	40.0	0.2	60.0	0.6	(20.0)	(0.4)
Oversight						
Inspection	0.0	0.1	0.0	0.4	0.0	(0.3)
Mission Training						
Training	27.0	0.0	0.8	0.0	77.2	0.0
Total Direct Resources	71.3	1.2	114.5	2.1	7.8	(0.9)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
<i>PRODUCT LINE/PRODUCTS:</i>						
Total Direct Resources	0	0.0	0.0	0.0	0.0	0.0
Grand Total Nuclear Materials & Waste Safety	71.3	1.2	114.5	2.1	7.8	(0.9)
TOTAL URANIUM RECOVERY	71.3	1.2	114.5	2.1	7.8	(0.9)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$577		\$996		(\$419)	

URANIUM RECOVERY ANNUAL FEES

FY 2020

	TOTAL
TOTAL ANNUAL FEE AMOUNT (excl. fee-relief adjustment):	\$170,303
TOTAL FEE-RELIEF ADJUSTMENT:	<u>-1,065</u>
TOTAL:	<u>\$169,237</u>

**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	0.80	\$421,471	-\$222,600	\$114,577
10% x (Total Annual Fee Amount (excl. Fee-Relief) less UMTRCA)					\$5,573
10% of Fee-Relief Activities					-\$107
				Total:	<u>\$120,043</u>
				DOE's Annual Fee Rounded:	\$120,000

**GROUP 2
Calculation of Annual Fee Amount for Remaining UR Licensees**

	FY 2020
	Total Fee
Remaining Annual Fee Amount (excl. Fee-Relief Adjustment):	<u>\$50,153</u>
Remaining Fee Relief Adjustment (90%):	-\$959
Total:	<u>\$49,194</u>

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	Base	Fee Relief	Total	FY 2020 Annual Fee Rounded
Conventional & Heap Leach Mills	2.A.(2)(a)	0	-	-	0%	\$0	\$0	\$0	\$0	\$0
Basic In-situ Recovery Facilities	2.A.(2)(b)	1	190	190	100%	\$50,153	\$50,153	-\$959	\$49,194	\$49,200
Expanded In-situ Recovery Facilities	2.A.(2)(c)	0	-	-	0%	\$0	\$0	\$0	\$0	\$0
In-situ Recovery Resin Facilities	2.A.(2)(d)	0	-	-	0%	\$0	N/A	N/A	N/A	N/A
Resin Toll Milling Facilities	2.A.(2)(e)	0	-	-	0%	\$0	N/A	N/A	N/A	N/A
Facilities for Disposal of 11e(2) Materials	2.A.(3)	0	-	-	0%	\$0	N/A	N/A	N/A	N/A
Disposal Incident to Operation at Licensed Facilities	2.A.(4)	0	-	-	0%	\$0	\$0	\$0	\$0	\$0
Uranium Water Treatment Facility	2.A.(5)	0	-	-	0%	\$0	\$0	\$0	\$0	\$0
TOTAL		<u>1</u>	<u>190</u>	<u>190</u>	<u>100%</u>	<u>\$50,153</u>				

- 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

Reconciliation of Decommissioning & Low Level Waste Business Line vs. Fee Class
(Dollars in thousands)

Decommissioning & LLW Business Line (CBJ)
Contract \$ FTE

Product Lines	Contract \$	FTE
Event Response	0.0	0.0
Generic Homeland Security	0.0	0.0
International Activities	75.0	4.0
Licensing	3,012.0	43.0
Oversight	50.0	24.0
Research	300.0	1.0
Rulemaking	50.0	8.0
Mission Support/Supervisors	0.0	13.0
State/Tribal/Federal Programs	0.0	0.0
Training	610.0	0.0
Travel	732.0	0.0
Total	\$ 4,829.0	93.0

FTE rate \$188,300 times 93 FTEs
(includes Salaries & Benefits only)

\$ 17,511.9

Total Business Line Budget (BL)

\$ 4,829.0

\$ 17,511.9 =

\$ 22,340.9

Uranium Recovery Fee Class (Proposed Fee Rule)

Deductions from BL resources

Event Response ³	0.0	0.0
Generic Homeland Security ¹	0.0	0.0
International Activities ^{2,3}	(75.0)	(4.0)
Licensing ³	(2,967.7)	(41.9)
Oversight ³	(50.0)	(23.9)
Mission Support/Supervisors ²	0.0	(13.0)
Research ³	(300.0)	(1.0)
Rulemaking ³	(50.0)	(8.0)
State/Tribal/Federal Programs ³	0.0	0.0
Training ³	(583.0)	0.0
Travel ²	(732.0)	0.0
Total	(\$4,757.7)	(91.8)

Increases from Other resources

International Activities ⁴	0.0	0.0
State/Tribal/Federal Programs ⁴	0.0	0.0
Oversight ⁴	0.0	0.0
Training ⁴	0.0	0.0
Total	0.0	0.0

BL resources w/ fee rule allocations

\$ 71.3

1.2

FTE fully costed rate \$421,471 times 1.2 FTEs (includes Salaries, Benefits, indirect resources & agency support)

\$ 505.8

Total Fee Class Budget

\$ 71.3

\$ 505.8 =

\$ 577.10

Variances

\$ (4,757.7)

(91.8)

\$ (17,006.1)

\$ (21,763.8)

Notes:

Deductions include: Exclusion Items¹, Indirect resources² and resources allocated to other fee classes/fee relief categories³

Increases include: resources allocated from other Business Lines⁴ (i.e. Nuclear Materials and Decommissioning/LLW)

Part 171 Annual Fees

Research and Test Reactors

Section III.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 2020. 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 2020 annual fee of \$81,300 for each licensee.

FY 2020 MISSION DIRECT BUDGETED RESOURCES					
		TOTAL		TEST AND RESEARCH REACTORS ALLOCATIONS	
		CONTRACT		CONTRACT	
		\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY		99,187.0	1,745.0	72.0	7.7
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)		15,270.0	434.0	0.5	0.0
CORPORATE		169,384.3	611.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)		1,703.0	58.0		
SUBTOTAL - FEE BASE RESOURCE		285,544.3	2,848.0	72.5	7.7
Figures below in \$, M (unless otherwise indicated)					
(1) FY 2020 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)					3.318
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS					3.030
(3) PART 171 ALLOCATIONS (equals 1 - 2)					0.288
(4) GENERIC TRANSPORTATION RESOURCES (allocated)					0.031
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)					0.319
(6) FY 2020 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)					3.349
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)					0.46%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge					-0.006
(9) Fee-Relief Adjustment and LLW Surcharge per licensee					-0.002
(10) Part 171 billing adjustments					0.013
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 2)					0.000
(12) TOTAL FY 2020 ANNUAL FEE (equals 5+8+10+11)					0.325341
(13) Number of Licensees					4
(14) Fee Per License (equals 12/13)					0.0813
unrounded annual fee amount per license, actual \$					81,335
rounded annual fee, actual \$					81,300
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations		421,471			

**Mission Direct Budgeted Resources for
Test and Research Reactors Fee Class**

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Operator Licensing	0.0	0.0	0.0	0.0	0.0	0.0
Research & Test Reactors	48.0	7.3	70.0	1.4	(27.0)	6.7
Oversight						
Enforcement	0.0	0.0	0.1	0.0	(0.1)	0.0
Event Evaluation	0.0	0.0	0.0	0.0	0.0	0.0
Inspection	0.0	0.4	0.0	0.4	0.0	0.0
Mission IT	0.0	0.0	0.1	0.0	(0.1)	0.0
Training						
Mission Training	24.0	0.0	8.0	0.0	16.0	0.0
NSPDP Training	0.0	0.0	0.0	0.0	0.0	0.0
Total Direct Resources	72.0	7.7	78.2	1.8	(11.2)	6.7
Grand Total Nuclear Reactor Safety	72.0	7.7	78.2	1.8	(11.2)	6.7
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Oversight						
Inspection	0.5	0.0	0.5	0.0	0.0	0.0
Training						
Mission Training	0.0	0.0	0.0	0.0	0.0	0.0
Total Direct Resources	0.5	0.0	0.5	0.0	0.0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
<i>PRODUCT LINE/PRODUCTS:</i>						
Total Direct Resources	0.0	0.0	0.0	0.0	0.0	0.0
Grand Total Nuclear Materials & Waste Safety	0.5	0.0	0.5	0.0	0.0	0.0
TOTAL TEST & RESEARCH REACTORS	72.5	7.7	78.7	1.8	(11.2)	6.7
mission direct contract \$)						
	3,318.0		834.3		2,483.7	

TEST AND RESEARCH REACTOR ANNUAL FEE

FY 2020 FEE RULE

DETERMINATION OF THE FY 2020 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	\$325,341
ANNUAL FEE PER LICENSE (rounded) (Budgeted costs divided by number of test and research reactor licensees subject to annual fee)	\$81,300

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

Reconciliation of Operating Reactor Business

Line vs. Fee Class

(Dollars in thousands)

**Operating Reactor Business
Line (CBJ)**

	Contract \$	FTE
Product Lines		
Event Response	8,645.0	45.0
Generic Homeland Security	100.0	8.0
International Activities	60.0	18.0
Licensing	9,833.0	372.0
Oversight	19,859.0	520.0
Rulemaking	525.0	38.0
Research	29,795.0	128.0
Mission Support/Supervisors	2,672.0	330.0
State/Tribal/Federal Programs	0.0	0.0
Training	3,944.0	26.0
Travel	12,953.0	0.0
	<u>\$ 88,386.0</u>	<u>1485.0</u>

FTE rate \$184,000 times 1485 FTEs (includes Salaries & Benefits only)

\$ 273,240.0

Total Business Line Budget (BL) \$ 88,386.0 \$ 273,240.0 = \$ 361,626.0

**Test & Research Reactor Fee
Class (Proposed Fee Rule)**

Deductions from BL resources

Event Response ^{3,5}	(8,645.0)	\$ (45.0)
Generic Homeland Security ¹	(100.0)	(8.0)
International Activities ¹	(60.0)	(18.0)
Licensing ^{3,5}	(9,785.0)	(364.7)
Oversight ^{3,5}	(19,859.0)	(519.6)
Research ^{1,5}	(29,795.0)	(128.0)
Rulemaking ³	(525.0)	(38.0)
Mission Support/Supervisors ^{2,5}	(2,672.0)	(330.0)
Training ^{3,5}	(3,920.0)	(26.0)
Travel ²	(12,953.0)	0.0
	<u>(\$88,314.0)</u>	<u>(1,477.3)</u>

Increases from Other resources

Oversight ⁴	0.5	0.0
Rulemaking ⁴	0.0	0.0
State/Tribal/Federal Programs ⁴	0.0	0.0
Training ⁴	0.0	0.0
	<u>\$0.5</u>	<u>0.0</u>

BL resources w/ fee rule allocations \$ 72.5 7.7

FTE fully costed rate \$421,471 times 7.7 FTEs (includes Salaries, Benefits, indirect resources& agency support)

\$ 3,245.3

Total Fee Class Budget \$ 72.5 \$ 3,245.3 = \$ 3,317.80

Variances \$ (88,313.5) (1,477) \$(269,994.7) \$ (358,308.2)

Notes:

Deductions include: Exclusion Items ¹, Indirect resources ², resources allocated to other fee classes/fee relief categories ³ and Carryover/Appropriation reductions ⁵

Increases include: resources allocated from other Business Lines ⁴ (i.e. Nuclear Materials and Decommissioning/LLW)

Part 171 Annual Fees

Rare Earth Facilities

Section III.B.2.f

During FY 2016 NRC did receive an application under the Rare Earth fee class 2.A. (2)(f). However, no FY 2020 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.

NRC eliminated fee category 2.A.(5) Uranium Water Treatment Facility effective with the FY 2019 Fee Rule.

FY 2020 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		RARE EARTH ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	99,187.0	1,745.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	15,270.0	434.0	0.0	0.0
CORPORATE	169,384.3	611.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,703.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	285,544.3	2,848.0	0.0	0.0
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2020 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 2020 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) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 2)				0.0000
(12) TOTAL FY 2020 ANNUAL FEE (equals 5+8+10+11)				0.0000
(13) Number of Licensees				
(14) Fee Per License (equals 12/13)				different for different categories of licenses; see other worksheets
unrounded annual fee amount per license, actual \$				
rounded annual fee, actual \$				
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	421,471			

Mission Direct Budgeted Resources for Rare Earth Fee Class

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: NEW REACTORS						
<i>PRODUCT LINE/ PRODUCTS:</i>						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
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						
<i>PRODUCT LINE/PRODUCTS:</i>						
Total Direct Resources	0	0.0	0	0.0	0	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
<i>PRODUCT LINE/PRODUCTS:</i>						
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						
<i>PRODUCT LINE/PRODUCTS:</i>						
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						
<i>PRODUCT LINE/PRODUCTS:</i>						
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 III.B.2.g

Table XVI

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

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

To equitably and fairly allocate the \$34.1 million in FY 2020 budgeted costs to be recovered in annual fees assessed to the approximately 2,500 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 2020 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		MATERIALS ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	99,187.0	1,745.0	25.0	0.1
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	15,270.0	434.0	485.5	78.7
CORPORATE	169,384.3	611.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,703.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	285,544.3	2,848.0	510.5	78.8
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2020 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				33.7
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				1.0
(3) PART 171 ALLOCATIONS (equals 1 - 2)				32.8
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				1.2
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				34.0
(6) FY 2020 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				34.9
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				3.79%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge				0.0
(9) Fee-Relief Adjustment and LLW Surcharge per licensee				
(10) Part 171 billing adjustments				0.1
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 2)				0.000
(12) TOTAL FY 2020 ANNUAL FEE (equals 5+8+10+11)				34.1
(13) Number of Licensees				
(14) Fee Per License (equals 12/13)				different for different categories of licenses; see other worksheets
unrounded annual fee amount per license, actual \$				
rounded annual fee, actual \$				
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	421,471			

**Mission Direct Budgeted Resources for
Materials Fee Class**

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Oversight						
Mission IT	0	0.0	13	0.0	(13)	0.0
Training						
Business Process Improvements	0	0.1	0	0.1	0	0.0
Mission Training	25	0.0	26	0.0	(1)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	25.0	0.1	39	0.1	(14)	0.0
Grand Total Nuclear Reactor Safety	25.0	0.1	39	0.1	(14)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: FUEL FACILITIES						
<i>PRODUCT LINE/PRODUCTS:</i>						
Training						
Mission Training	30	0.0	38	0.0	(8)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	30	0.0	38	0.0	(8)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Event Response						
Response Operations	0	0.3	0	0.3	0	0.0
Response Programs	0	2.0	0	0.3	0	1.7
Licensing						
EDO Operations	0	0.5	0	0.5	0	0.0
Licensing Actions	7	29.7	13	30.7	(6)	(1.0)
Licensing Support	0	0.0	45	0.0	(45)	0.0
Mission IT	149	0.0	20	0.0	129	0.0
NSPDP Training	0	1.0	0	4.0	0	(3.0)
Policy Outreach	0	0.0	0	1.0	0	(1.0)
Security	0	1.0	0	1.0	0	0.0
Oversight						
Allegations & Investigations	0.0	9.6	0	10.3	0	(0.7)
Enforcement	41.1	11.6	41	12.0	0	(0.4)
Event Evaluation	49.0	1.9	140	1.9	(91)	0.0
Inspection	1.4	17.8	1	17.9	0	(0.1)
IT Infrastructure	0.0	0.0	99	0.0	(99)	0.0
Mission IT	0.0	0.0	0	0.0	0	0.0
Security	0.0	0.0	0	0.0	0	0.0
Research						
Materials Research	0	0.3	0	0.3	0	0.0
Rulemaking						
Rulemaking	0	2.2	0	3.1	0	(0.9)
Rulemaking Support	0	0.3	0	0.3	0	0.0
Training						
Mission Training	147	0.5	167	0.5	(20)	0.0
Organizational Development	2	0.0	0	0.0	2	0.0
Total Direct Resources	396.5	78.7	526.4	84.1	(129.9)	(5.4)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE						
<i>PRODUCT LINE/PRODUCTS:</i>						
Mission Training						
Training	49	0.0	64	0.0	(15)	0.0
Total Direct Resources	49	0.0	64	0.0	(15)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
<i>PRODUCT LINE/PRODUCTS:</i>						
Mission Training						
Training	10	0.0	10	0.0	0	0.0
Total Direct Resources	10	0.0	10	0.0	0	0.0
Grand Total Nuclear Materials & Waste Safety	485.5	78.7	638	84.1	(153)	(5.4)
TOTAL MATERIAL USERS	510.5	78.8	677	84.2	(167)	(5.4)
+ mission direct contract \$)	\$33,722		\$36,022		(\$2,299)	

**Reconciliation of Nuclear Materials Users
Business Line vs. Fee Class**
(Dollars in thousands)

	Nuclear Material User Business Line (CBJ)	
	Contract \$	FTE
Product Lines		
Event Response	0.0	3.0
Generic Homeland Security	7,476.0	15.0
International Activities	5,620.0	12.0
Licensing	778.0	44.0
Oversight	1,946.0	47.0
Research	500.0	2.0
Rulemaking	285.0	12.0
Mission Support/Supervisors	913.0	43.0
State/Tribal/Federal Programs	262.0	24.0
Training	992.0	3.0
Travel	2,801.0	0.0
	\$ 21,573.0	205.0

FTE rate \$183,300 times 205 FTEs
(includes Salaries & Benefits only)

\$ 37,576.5

Total Business Line Budget (BL)

\$ 21,573.0 \$ 37,576.5 = \$ 59,149.5

Nuclear Material User Fee Class (Proposed Fee Rule)
--

Deductions from BL resources

Event Response ³	-	(0.7)
Generic Homeland Security ¹	(7,476.0)	(15.0)
International Activities ^{1,5}	(5,620.0)	(12.0)
Licensing ^{3,5}	(771.0)	(12.8)
Oversight ^{3,5}	(1,854.5)	(6.1)
Mission Support/Supervisors ^{2,5}	(913.0)	(43.0)
Research ³	(500.0)	(1.7)
Rulemaking ^{3,5}	(150.0)	(9.5)
State/Tribal/Federal Programs ^{3,5}	(262.0)	(24.0)
Training ^{3,5}	(829.0)	(1.5)
Travel ^{2,5}	(2,801.0)	0.0
	(\$21,176.5)	(126.3)

Increases from Other BL resources

State/Tribal/Federal Programs ⁴	0.0	0.0
Training ⁴	114.0	0.1
	114.0	0.1

BL resources w/ fee rule allocations

\$ 510.5 78.8

FTE fully costed rate \$421,471 times 78.8 FTEs
(includes Salaries, Benefits, indirect resources & agency support)

\$ 33,211.9

Total Fee Class Budget

\$ 510.5 \$ 33,211.9 = \$ 33,722.40

Variances \$ (21,062.5) (126.2) \$ (4,364.6) \$ (25,427.1)

Notes:

Deductions include: Exclusion Items ¹ , Indirect resources ² , resources allocated to other fee classes/fee relief categories ³ and Carryover/Appropriation reductions ⁵
--

Increases include: resources allocated from other Business Lines ⁴ (i.e. Nuclear Materials and Decommissioning/LLW)

FY 2020 Materials Users Annual Fees																									
REBASELINE																									
NUMBER OF LICENSES																									
FY 2020																									
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15)																									
Less																									
Part 170 Fees(\$)																									
Part 171 Base Fee Per License (\$)																									
Total Annual Fee per License																									
Adjustment per License																									
Total Exact																									
Total Collections																									
Number of																									
Real																									
Small																									
Entire																									
Subsidy																									
FY 2020 Annual Fee (Rounded)																									
License Fee Category	Billed at FY 2020	Agree. State Transfer Adjust	Total For FY 2020	Appl.	Insp.	Prior.	Multiple	Multiple	General	Unique	Inspection	Total Base Fee per License	Materials LLW Surcharge/ no. of	multiplier x (appl fee/insp priority) See below for	(General+Unique+Insp action)	Materials LLW Surcharge/ no. of	multiplier x (appl fee/insp priority) See below for	(Total Base Fee+ LLW Surcharge + Fee-Relief)	Base Fee (\$,K)	TOTAL (\$,K)	Sm Entity	Sm Entity	Subsidy		
	Fee						licenses x (Appl fee + insp fee/insp)	licenses x insp fee/insp priority)	multiplier x (appl fee/insp priority) See below for	below for Calculation of	multiplier ^(f) insp fee/insp priority)														
SPECIAL NUCLEAR MATERIAL:																									
1C. Industrial Gauges	0	5	0	5.0	1,300	2,100	5	8600	2100	2189	622	2,811						-4	2,807	14	14	0	0	-	2,800
1D. Other SNM less critical quantity	0	51	0	51.0	2,600	6,400	5	197880	65280	4938	1895	6,833	216	-9	7,040	349	359	5	3	30,800	5	3	30,800	7,000	
1F. Other SNM greater than critical quantity	0	3	0	3.0	2,600	1,700	3	9500	1700	4030	839	4,869	216	-8	5,078	15	15	1	1	4,800	1	1	4,800	5,100	
SOURCE MATERIAL:																									
2B. Shielding	0	10	0	10.0	1,200	2,800	5	17600	5600	2240	829	3,069						-4	3,065	31	31	0	0	-	3,100
2C. Exempt Distribution/SM	0	25	0	25.0	4,300	4,000	5	127500	20000	6491	1185	7,678						-12	7,666	192	192	3	3	30,000	7,700
2D. Distribution to General License/SM	0	1	0	1.0	2,800	4,400	5	3680	880	4684	1303	5,987						-9	5,978	6	6	0	0	-	6,000
2E. Manufacturing Distribution	0	1	0	1.0	2,700	4,300	3	4133	1433	5261	2122	7,383						-10	7,373	7	7	0	0	-	7,400
2F. Other Source Materials	0	60	0	60.0	2,700	8,000	4	282000	120000	5982	2961	8,943	216	-11	9,148	537	549	7	1	40,400	7	1	40,400	9,100	
BYPRODUCT MATERIAL:																									
3A. Manufacturing - Broad(Locations 1-5)	0	3	0	3.0	13,100	16,100	4	51375	12075	21796	5960	27,755	216	-41	27,930	83	84	0	0	-	0	0	-	27,900	
3A1. Manufacturing - Broad(sites 6-19)	0	1	0	1.0	17,400	21,500	4	22775	5375	28987	7958	36,945	216	-55	37,106	37	37	0	0	-	0	0	-	37,100	
3A2. Manufacturing - Broad (sites 20 or more)	0	1	0	1.0	21,700	26,900	4	28425	6725	36178	9957	46,135	216	-69	46,282	46	46	0	0	-	0	0	-	46,300	
3B. Manufacturing - Other	0	34	0	34.0	3,600	9,500	4	203150	80750	7605	3516	11,121	216	-14	11,323	378	385	11	8	158,000	11	8	158,000	11,300	
3B1. Manufacturing - Other (sites 6-19)	0	1	0	1.0	4,800	12,600	4	7950	3150	10118	4664	14,782	216	-19	14,979	15	15	0	0	-	0	0	-	15,000	
3B2. Manufacturing - Other (sites 20 or more)	0	1	0	1.0	6,000	15,800	4	9950	3950	12664	5848	18,512	216	-24	18,704	19	19	0	0	-	0	0	-	18,700	
3C. Radiopharmaceuticals - Manuf./Process	0	34	0	34.0	5,200	6,600	5	221680	44880	8298	1954	10,253	216	-16	10,453	349	355	14	1	93,600	14	1	93,600	10,500	
3C1. Radiopharmaceuticals - Manuf./Process (sites 6-19)	0	1	0	1.0	6,900	8,800	5	8660	1760	11022	2606	13,628	216	-21	13,823	14	14	0	0	-	0	0	-	13,800	
3C2. Radiopharmaceuticals - Manuf./Process (sites 20 or more)	0	1	0	1.0	8,700	11,100	5	10920	2220	13698	3287	17,185	216	-26	17,375	17	17	0	0	-	0	0	-	17,400	
3D. Radiopharmaceuticals - No Manuf./Process	0	0	0	0.0	0	0	0	0	0	0	0	0						0	0	0	0	0	0	0	0
3E. Irradiators - Self-Shield	0	49	0	49.0	3,200	13,900	5	293020	136220	7611	4116	11,727						-14	11,713	575	574	0	0	-	11,700
3F. Irradiators - < 10,000 Ci	0	4	0	4.0	6,500	4,400	5	29520	3520	9393	1303	10,696						-18	10,678	43	43	0	0	-	10,700
3G. Irradiators - > 10,000 Ci	0	7	0	7.0	62,300	4,400	2	451500	15400	82093	3257	85,350						-156	85,194	597	596	0	1	84,300	85,200
3H. Exempt Distribution - Device Review	0	34	0	34.0	6,700	3,900	5	254320	28520	9520	1155	10,675						-18	10,657	363	362	8	10	147,600	10,700
3I. Exempt Distribution - No Device Review	0	76	0	76.0	11,600	4,000	5	942400	60800	15782	1185	16,967						-30	16,937	1289	1287	13	11	337,200	16,900
3J. Gen. License - Device Review	0	6	0	6.0	2,000	2,900	5	15480	3480	3284	859	4,142						-6	4,136	25	25	2	0	-	4,100
3K. Gen. License - No Device Review	0	4	0	4.0	1,100	2,900	5	6720	2320	2138	859	2,997						-4	2,993	12	12	0	2	4,200	3,000
3L. R&D - Broad	0	44	0	44.0	5,500	11,300	4	366300	124300	10596	4183	14,778	216	-20	14,974	650	659	0	1	14,100	0	1	14,100	15,000	
3L(a). R&D - Broad(6-20 sites)	0	1	0	1.0	7,300	15,000	4	11050	3750	14064	5552	19,616	216	-27	19,805	20	20	0	0	-	0	0	-	19,800	
3L(b). R&D - Broad(21 or more sites)	0	2	0	2.0	9,100	18,800	4	27600	9400	17564	6959	24,523	216	-33	24,705	49	49	0	0	-	0	0	-	24,700	
3M. R&D - Other	0	82	0	82.0	8,300	6,600	5	788840	108240	12244	1954	14,198	216	-23	14,391	1164	1180	8	7	173,700	8	7	173,700	14,400	
3N. Service License	0	53	0	53.0	8,900	9,500	4	597575	125875	14350	3516	17,867	216	-27	18,055	947	957	14	14	431,200	14	14	431,200	18,100	
3O. Radiography	0	68	0	68.0	6,400	7,900	1	972400	537200	18200	11697	29,897						-35	29,863	2033	2031	29	4	852,600	29,900
3O1. Radiography (sites 6-19)	0	3	0	3.0	8,500	10,600	1	57300	31800	24310	15695	40,004						-46	39,958	120	120	0	0	-	40,000
3O2. Radiography (sites 20 or more)	0	1	0	1.0	10,600	13,200	1	23800	13200	30292	19544	49,836						-58	49,778	50	50	0	0	-	49,800
3P. All Other Byproduct Materials	0	891	0	891.0	4,700	6,800	5	5399460	1211760	7713	2014	9,727						-15	9,712	8666	8653	219	102	2,036,400	9,700
3P1. All Other Byproduct Materials (sites 6-19)	0	20	0	20.0	6,300	9,100	5	162400	36400	10335	2695	13,029						-20	13,010	261	260	0	0	-	13,000
3P2. All Other Byproduct Materials (sites 20 or more)	0	11	0	11.0	7,900	11,400	5	111980	25080	12957	3376	16,332						-25	16,308	180	179	0	0	-	16,300
3R1. Radium-226 (less than or equal to 10x limits in 31.12)	0	1	0	1.0	2,600	6,800	5	3960	1360	5040	2014	7,054						-10	7,044	7	7	0	0	-	7,000
3R2. Radium-226 (more than 10x limits in 31.12)	0	1	0	1.0	2,500	4,500	3	4000	1500	5091	2221	7,312						-10	7,302	7	7	0	0	-	7,300
3S. Accelerator Produced Radionuclides	0	18	0	18.0	14,300	8,800	2	336600	79200	23800	6515	30,315						-45	30,270	546	545	4	1	132,600	30,300

FY 2020 Materials Users Annual Fees																						
REBASELINE																						
WASTE DISPOSAL AND PROCESSING:																						
4A. Waste Disposal*	0	0	0	0.0	12,800	11,200	2	0	0	23419	8292	31,710	216	-45	31,882	0	0	0	0	-	31,900	
4B. Waste Receipt/Packaging	0	16	0	16.0	6,800	6,600	2	163200	52800	12982	4886	17,868	216	-25	18,059	286	289	3	1	58,000	18,100	
4C. Waste Receipt - Prepackaged	0	1	0	1.0	5,000	4,000	3	8333	1333	8061	1974	10,035	216	-15	10,236	10	10	1	0	5,700	10,200	
WELL LOGGING:																						
5A. Well Logging	0	21	0	21.0	4,600	9,200	3	161000	64400	9758	4541	14,298		-19	14,280	300	300	4	1	52,600	14,300	
5B. Field Flooding Tracers Studies*	0	0	0	0.0			3	0	0	0	0	0	216	0	216	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	5	0	5.0	11,200	16,100	4	76125	20125	19378	0	5960	25,337	-37	25,300	127	127	0	0	-	25,300	
7A1. Teletherapy sites 6-19	0	1	0	1.0	14,800	21,500	4	20175	5375	25678	0	7928	33,636	-49	33,587	34	34	0	0	-	33,600	
7A2. Teletherapy sites 20 or more	0	1	0	1.0	18,500	26,900	4	25225	6725	32105	0	9957	42,062	-61	42,001	42	42	0	0	-	42,000	
7B. Medical - Broad	0	17	0	17.0	8,700	14,200	2	268600	120700	20109	0	10512	30,622	216	-38	30,800	521	524	0	0	-	30,800
7B1. Medical - Broad sites 6-19	0	2	0	2.0	11,600	19,000	2	42200	19000	26855	0	14066	40,921	216	-51	41,086	82	82	0	0	-	41,100
7B2. Medical - Broad sites 20 or more	0	1	0	1.0	14,500	23,700	2	26350	11850	33537	0	17545	51,082	216	-64	51,235	51	51	0	0	-	51,200
7C. Medical Other	0	689	0	689.0	6,600	7,000	3	6155067	1607667	11370	0	3455	14,825	-22	14,803	10214	10199	151	54	2,305,900	14,800	
7C1. Medical Other sites 6-19	0	6	0	6.0	8,800	9,300	3	71400	18600	15146	0	4590	19,736	-29	19,707	118	118	1	0	15,200	19,700	
7C2. Medical Othersites 20 or more	0	1	0	1.0	10,900	11,600	3	14767	3867	18794	0	5725	24,519	-36	24,484	25	24	0	0	-	24,500	
CIVIL DEFENSE:																						
8A. Civil Defense	0	10	0	10.0	2,600	6,800	5	39600	13600	5040	2014	7,054		-10	7,044	71	70	1	0	2,500	7,000	
DEVICE, PRODUCT, OR SEALED SOURCE SAFETY EVALUATION:																						
9A. Device/Product Safety Evaluation - Broad	0	81	0	81.0	10,900		5	991900	0	13873	0	13,873		-26	13,847	1262	1280	23	21	484,800	13,800	
9B. Device/Product Safety Evaluation - Other	0	4	0	4.0	9,600		5	36000	0	11455	0	11,455		-22	11,433	46	46	0	0	-	11,400	
9C. Sealed Sources Safety Evaluation - Broad	0	31	0	31.0	5,300		5	164300	0	6746	0	6,746		-13	6,733	209	209	20	3	61,400	6,700	
9D. Sealed Sources Safety Evaluation - Other	0	10	0	10.0	1,100		5	11000	0	1400	0	1,400		-3	1,397	14	14	0	0	-	1,400	
OTHER LICENSES:																						
17. Master Material License	0	3	0	3.0	110,800	124,400	2	519000	186600	220186	0	92095	312,281	216	-419	312078	937	936	0	0		312,000
TOTAL	0.0	2519.0	0.0	2519.0				20864245	5067845			1390394				34059	34097	542	250	7,557,600	Mat	
																		0	1	49,200	Uranium recovery 2A2b	
																		Total Small Entity Subsidy	542	251	7,606,800	
FTE RATE:	\$421,471																	Total	793			
																		% of total Materials Users licensees	31.48%			

ANNUAL FEE CALCULATION FOR AGREEMENT STATE USE ONLY

**FY 2020
Annual Fee
(Rounded)**

License Fee Category	Part 170 Fees(\$)			Calc. of General Multiple	Calc. of Insp. Multiple	Part 171 Base Fee Per License (\$)					Total Exact Annual Fee per license	Total Annual
	Appl.	Insp.	Prior.			Total		Adjustment per License				
						General	Inspection	LLW Surcharge	Fee-Relief	Total		
				(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 1.27	Inspection multiplier*(insp fee/insp priority)insp. multiplier of 1.48	(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	22,200	6,100	3	24233	2033	30,872	3011	33,883	216	-58	34041	34,041	34,000
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Part 171 Annual Fees

Transportation

Section III.B.2.h

Table XVII

Table XVIII

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

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

FY 2020 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		TRANSPORTATION ALLOCATIONS	
	CONTRACT	FTE	CONTRACT	FTE
	\$,K		\$,K	
NUCLEAR REACTOR SAFETY	99,187.0	1,745.0	1.2	0.2
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	15,270.0	434.0	161.0	16.5
CORPORATE	169,384.3	611.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,703.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	285,544.3	2,848.0	162.2	16.7
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2020 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				7.2
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				2.8
(3) PART 171 ALLOCATIONS (equals 1 - 2)				4.4
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				-3.4
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				1.0
(6) FY 2020 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				3.8
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				0.531%
(8) Fee-Relief Adjustment (includes small entity) + LLW Surcharge				-0.007
(9) Fee-Relief Adjustment and LLW Surcharge per licensee				
(10) Part 171 billing adjustments				0.0
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 2)				0.000
(12) TOTAL FY 2020 ANNUAL FEE (equals 5+8+10+11)				1.0
(13) Number of Licensees				1
(14) Fee Per License (equals 12/13)				1.007497
				(DOE's fee)
unrounded annual fee amount per license, actual \$				1,007,497
rounded annual fee, actual \$				1,007,000
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	421,471			

**Mission Direct Budgeted Resources for
Transportation Fee Class**

	FY20		FY19		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
PROGRAM: NUCLEAR REACTOR SAFETY						
BUSINESS LINE: OPERATING REACTORS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Oversight						
Business Process Improvements	0	0.1	0	0.1	0	0.0
Emergency Preparedness	0	0.0	0	0.0	0	0.0
Enforcement	1	0.1	1	0.1	0	0.0
Mission IT	0	0.0	1	0.0	(1)	0.0
Security	0	0.0	0	0.0	0	0.0
Total Direct Resources	1	0.2	2	0.2	(1)	0.0
Grand Total Nuclear Reactor Safety	1.2	0.2	2	0.2	(1)	0.0
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: NUCLEAR MATERIALS USERS						
<i>PRODUCT LINE/PRODUCTS:</i>						
Oversight						
Enforcement	1	0.0	1	0.2	1	(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	13	0.0	0	0.0	13	0.0
Rulemaking						
Rulemaking	0	0.0	0	0.0	0	0.0
State Tribal and Federal Programs						
Liaison	0	0.4	0	0.4	0	0.0
Training						
Mission Training	16	0.2	19	0.2	(3)	0.0
Organizational Development	2	0.0	0	0.0	2	0.0
Total Direct Resources	32	0.6	20	0.8	12	(0.2)
PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY						
BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION						
<i>PRODUCT LINE/PRODUCTS:</i>						
Licensing						
IT Infrastructure	0	0.0	183	0.0	(183)	0.0
Licensing Support	0	2.0	0	2.2	0	(0.2)
Mission IT	92	0.0	219	0.4	(127)	(0.4)
Policy Outreach	0	0.5	0	0.5	0	0.0
Transportation Certification	0	10.7	5	10.7	(5)	0.0
Oversight						
Inspection	0	1.0	0	1.5	0	(0.5)
Rulemaking						
Rulemaking (PL)	0	1.2	0	1.2	0	0.0
Security	0	0.0	0	0.0	0	0.0
Training						
Mission Training	37	0.0	37	0.0	0	0.0
NSDP Training	0	0.5	0	0.5	0	0.0
Total Direct Resources	129	15.9	444	17.0	(315)	(1.1)
Grand Total Nuclear Materials & Waste Safety	161.0	16.5	464	17.8	(303)	(1.3)
TOTAL TRANSPORTATION	162.2	16.7	466	18.0	(303)	(1.3)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$7,201		\$8,021		(\$821)	

TRANSPORTATION ANNUAL FEES

FY 2020

The total transportation budgeted costs of \$4,362,774 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	22.9%	\$999,706	\$1.0
Operating Reactors	5.00	5.5%	\$238,025	\$0.2
Spent fuel/reactor decom	16.00	17.5%	\$761,681	\$0.8
T&R reactors	0.65	0.7%	\$30,713	\$0.0
Fuel Facilities	24.00	26.2%	\$1,142,522	\$1.1
Materials Users	25.00	27.3%	\$1,190,127	\$1.2
Total	91.65	100.0%	\$4,362,774	\$4.4

FY 2020 fee rule

03/13/2020

Fee Class/CoC type	Byprod, normal form	Byprod, special form	Fissile uranium	Irradiated fuel	Pu Air	Pu, normal form	Pu, special form	Waste, B	TOTAL	% of TOTAL
Power Reactor								5	5	5.2%
Spent Fuel/Rx Decommissioning				16					16	16.7%
Non-power Rx			2	3					5	5.2%
Fuel facilities			24						24	25.0%
Materials users	5	20							25	26.0%
Transportation									0	0.0%
Rare earth facilities									0	0.0%
Uranium recovery									0	0.0%
Other import/export									0	0.0%
DOE	2		6	3	1	4	1	4	21	21.9%
CoC totals	7	20	32	22	1	4	1	9	96	100.0%

**Reconciliation of Spent Fuel Storage/
Transportation Business Line vs. Fee Class**
(Dollars in thousands)

**Spent Fuel Storage/
Transportation Business Line
(CBJ)**

Product Lines	Contract \$	FTE
Event Response	0.0	0.0
Generic Homeland Security	0.0	0.0
International Activities	0.0	2.0
Licensing	3,769.0	62.0
Oversight	0.0	13.0
Research	514.0	3.0
Rulemaking	0.0	6.0
Mission Support/Supervisors	0.0	15.0
State/Tribal/Federal Programs	0.0	0.0
Training	138.0	0.0
Travel	575.0	0.0
	<u>\$ 4,996.0</u>	<u>101.0</u>

FTE rate \$190,000 times 101 FTEs
(includes Salaries & Benefits only)

\$ 19,190.0

Total Business Line Budget (BL) \$ 4,996.0 \$ 19,190.0 = \$ 24,186.0

**Transportation Fee Class
(Proposed Fee Rule)**

Deductions from BL resources

Event Response ³	0.0	0.0
Generic Homeland Security ¹	0.0	0.0
International Activities ¹	0.0	(2.0)
Licensing ^{3,5}	(3,677.0)	(48.3)
Oversight ³	0.0	(12.0)
Mission Support/Supervisors ²	0.0	(15.0)
Research ³	(514.0)	(3.0)
Rulemaking ³	0.0	(4.8)
State/Tribal/Federal Programs ³	0.0	0.0
Training ³	(101.0)	0.0
Travel ²	(575.0)	0.0
	<u>(\$4,867.0)</u>	<u>(85.1)</u>

Increases from Other resources

International Activities ⁴	0.0	0.0
State/Tribal/Federal Programs ⁴	0.0	0.4
Oversight ⁴	2.2	0.1
Training ⁴	31.0	0.3
	<u>33.2</u>	<u>0.8</u>

BL resources w/ fee rule allocations \$ 162.2 16.7

FTE fully costed rate \$421,471 times 16.7 FTEs
(includes Salaries, Benefits, indirect resources & agency support)

\$ 7,038.6

Total Fee Class Budget \$ 162.2 \$ 7,038.6 = \$ 7,200.80

Variances \$ (4,833.8) (84.3) \$ (12,151.4) \$ (16,985.2)

Notes:

Deductions include: Exclusion Items¹, Indirect resources², resources allocated to other fee classes/fee relief categories³ and Carryover/Appropriation reductions⁵

Increases include: resources allocated from other Business Lines⁴
(i.e. Nuclear Materials and Decommissioning/LLW)

Regulatory Flexibility Analysis

Section VI.

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 2020 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 2020 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.

Budget Authority (FY 2020)

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 2020)

FY 2020 Budget Summary by Program

This report is provided as supplemental information. It provides a summary of the FY 2020 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 2020 MISSION DIRECT BUDGETED RESOURCES	TOTAL		POWER REACTORS ALLOCATIONS		SPENT FUEL STORAGE/ REACTOR DECOMM. ALLOCATIONS		TEST AND RESEARCH REACTORS ALLOCATIONS		FUEL FACILITY ALLOCATIONS		MATERIALS ALLOCATIONS		TRANSPORTATION ALLOCATIONS	
	CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT	
	\$K	FTE	\$K	FTE	\$K	FTE	\$K	FTE	\$K	FTE	\$K	FTE	\$K	FTE
NUCLEAR REACTOR SAFETY	99,187.0	1,745.0	64,125.4	1,326.6	1.4	0.4	72.0	7.7	0.0	0.1	25.0	0.1	1.2	0.2
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	15,270.0	434.0	107.7	1.4	3,538.7	81.2	0.5	0.0	1,227.7	52.1	485.5	78.7	161.0	16.5
CORPORATE	169,384.3	611.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,703.0	58.0												
SUBTOTAL - FEE BASE RESOURCE	285,544.3	2,848.0	64,233.1	1,328.0	3,540.1	81.6	72.5	7.7	1,227.7	52.2	510.5	78.8	162.2	16.7

FY 2020 MISSION DIRECT BUDGETED RESOURCES	INCLUDED IN																
	PROFESSIONAL																
	TOTAL		URANIUM RECOVERY		RARE EARTH		IMPORT/EXPORT		INCLUDED IN		HOURLY & FTE RATE		NONPROFIT ED.		INTERNATIONAL		
	ALLOCATIONS		ALLOCATIONS		ALLOCATIONS		ALLOCATIONS		FEE-RELIEF ACTIVITIES		(overhead)		EXEMPTION		ACTIVITIES		
CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT			
\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE		
NUCLEAR REACTOR SAFETY	99,187.0	1,745.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17,035.0	22.9	17,927.0	387.0	264.0	17.2	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	15,270.0	434.0	71.3	1.2	0.0	0.0	0.0	0.0	0.0	5,172.6	111.9	4,505.0	91.0	12.9	3.5	0.0	0.0
CORPORATE	169,384.3	611.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	169,384.3	611.0	0.0	0.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,703.0	58.0										1,703.0	58.0				
SUBTOTAL - FEE BASE RESOURCE	285,544.3	2,848.0	71.3	1.2	0.0	0.0	0.0	0.0	0.0	22,207.6	134.8	193,519.3	1,147.0	276.9	20.7	0.0	0.0

FY 2020 MISSION DIRECT BUDGETED RESOURCES																																				
		AGREEMENT				AGREEMENT				ISL RULE/				GENERIC				MILITARY RADIUM				PUBLIC RADIUM														
		STATE				STATE				GEN LICENSEES/				DECOMMISS/				226				226														
		OVERSIGHT				REG SUPPORT				FELLOWSHIPS				RECLAMATION														IN								
		CONTRACT				CONTRACT				CONTRACT				CONTRACT				CONTRACT				CONTRACT				BUDGET SUM		BALANCE ?								
		\$K		FTE		\$K		FTE		\$K		FTE		\$K		FTE		\$K		FTE		\$K		FTE		\$K		FTE								
NUCLEAR REACTOR SAFETY		99,187.0		1,745.0		31.0		0.2		0.0		0.0		16,740.0		5.5		0.0		0.0		0.0		0.0		0.0		0.0		99,187.0		1,745.0				
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)		15,270.0		434.0		1,963.0		23.4		1,373.0		25.6		351.7		11.5		972.0		34.8		400.0		3.2		0.0		2.0		100.0		7.9		15,270.0		434.0
CORPORATE		169,384.3		611.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		169,384.3		611.0
INSPECTOR GENERAL(no DNSFB)		1,703.0		58.0																													1,703.0		58.0	
SUBTOTAL - FEE BASE RESOURCE		285,544.3		2,848.0		1,994.0		23.6		1,373.0		25.6		17,091.7		17.0		972.0		34.8		400.0		3.2		0.0		2.0		100.0		7.9		285,544.3		2,848.0

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 2020, less the amounts appropriated for Waste Incidental to Reprocessing, Defense Nuclear Facilities Safety Board, International Activities, 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.