

**FY 2021  
FINAL  
FEE RULE  
WORK PAPERS**

# FY 2021 Final Fee Rule Work Papers

The supporting information to the FY 2021 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 2020 Fee Collection A. Amendments to 10 CFR Part 170 1. Professional Hourly Rate.**

The complete outline of the FY 2021 Final Fee Rule showing the Section and Table titles is located immediately following the Table of Contents.

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# Budget and Fee Recovery

## Section II

### Table I Table II

The NRC is issuing this FY 2021 final fee rule based on the Consolidated Appropriations Act, 2021 (the enacted budget). The proposed fee rule reflects a total budget authority in the amount of \$844.4 million, a decrease of \$11.2 million from FY 2020. As explained previously, certain portions of the NRC's total budget authority for the fiscal year are excluded from NEIMA's fee-recovery requirement under Section 102(b)(1)(B) of NEIMA. Based on the FY 2021 enacted budget, these exclusions total \$123.0 million, consisting of \$91.2 million for fee-relief activities; \$17.7 million for advanced reactor regulatory infrastructure activities; \$11.7 million for generic homeland security activities; \$1.2 million for waste incidental to reprocessing activities; and \$1.2 million for Inspector General services for the Defense Nuclear Facilities Safety Board.

The Excluded fee items include \$17.7 million for advanced reactor infrastructure, \$1.2 million for WIR activities, \$1.2 million for IG services for the Defense Nuclear Facilities Safety Board, \$11.7 million for generic homeland security activities, and \$91.2 million for fee relief activities. Based on the 100 percent fee-recovery requirement, the NRC will have to recover approximately \$721.4 million in FY 2021 through Part 170 licensing and inspection fees and Part 171 annual fees. The amount required by law to be recovered through fees for FY 2021 would be \$6.7 million less than the amount estimated for recovery in FY 2020, a decline of 0.9 percent.

The FY 2021 fee recovery amount is decreased by \$13.4 million to account for billing adjustments (i.e., for FY 2021 invoices that the NRC estimates will not be paid during the fiscal year, less payments received in FY 2021 for prior year invoices and current year collections made for the termination of one operating power reactor). This leaves approximately \$708.0 million to be billed as fees in FY 2021 through Part 170 licensing and inspection fees and Part 171 annual fees.

The NRC estimates that \$190.6 million would be recovered from Part 170 fees in FY 2021. This represents a decrease of \$29.6 million or approximately 13.4 percent as compared to the estimated Part 170 collections of \$220.2 million for FY 2020. The remaining \$517.4 million would be recovered through the Part 171 annual fees in FY 2021, which is an increase of \$9.5 million when compared to estimated Part 171 collections of \$507.9 million for FY 2020.

See Tab "Budget Authority (FY 2021)" for supplemental information on the distribution of budgeted FTE and contract dollars.

Budget and Fee Recovery  
 FY 2021  
 (\$ in Millions)  
 (Individual dollar amounts may not add to totals due to rounding)

	<b>FY 2021</b>
NRC Budget Authority	\$844.4
Less Budget Authority for Excluded Activities	-\$123.0
Balance	\$721.4
Fee Recovery Rate for FY 2021	x 100
Total Amount to be Recovered For FY 2021	\$721.4
Amount to be Recovered Through Fees and Other Receipts	\$721.4
Estimated amount to be recovered through Part 170 fees and other receipts	-\$190.6
Estimated amount to be recovered through Part 171 annual fees	\$530.8
Part 171 billing adjustments	-\$10.7
Operating Reactor adjustment- Terminated Reactor collections	-\$2.7
Adjusted Part 171 annual fee collections required	\$517.4

## Consolidated Appropriations Act of FY 2021

Dollars in millions \$

	<b>Enacted Budget</b>
<u>Total Budget Authority for Salaries &amp; Expenses and Office of the Inspector General:</u>	
Budget Authority	\$844,399
Less: Revenue from services and collections to be Recovered	\$721,399
Net Budget Appropriation	\$123,000

Excluded from Budget Authority Activities:

Generic Homeland Security	\$11,737
Advanced Reactors Regulatory Infrastructure	\$17,709
Waste Incidental to Reprocessing	\$1,158
Nuclear Waste Fund	\$0
Defense Nuclear Facilities Safety Board	\$1,206
*Fee Relief Activities Fully Costed	\$91,190

Net Budget Appropriation	\$123,000
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\*Fee Relief Activities

International Activities	\$24,652
Agreement States Oversight	\$10,437
Medical Isotope Production Infrastructure	\$7,016
Costs not recovered from Small Entities	\$7,757
Regulatory Support to Agreement States	\$12,284
Fee Exemption for Non Profit Educational Institutions	\$9,322
Generic Decommissioning/ Reclamation	\$14,948
Uranium Recovery Program & Unregistered General Licensees	\$3,643
Potential Department of Defense remediation program	\$957
Non-Military Radium Sites	\$174

Fee Relief Activities @ fully costed rate	\$91,190
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## Utilization of Carryover Funds

Budget Business Line / Fee Rule Allocation	FY2020 Carryover Funding \$40M	FY2021 Carryover Funding \$19M	Carryover Change (+/-) FY20 vs FY 21
<b>Operating/New Reactor BL</b>	20,921,000	17,843,000	(3,078,000)
<i>Power Reactor Fee Class</i>	20,361,000	17,313,000	(3,048,000)
<i>Indirect → Hourly Rate</i>	560,000	0	(560,000)
<i>Fee Relief</i>		530,000	530,000
<b>Spent Fuel Storage/Transportation BL</b>	1,466,000	966,000	(500,000)
<i>Spent Fuel Storage/RD Fee Class</i>	422,000	748,000	326,000
<i>Transportation Fee Class</i>	1,044,000	218,000	(826,000)
<b>Nuclear Materials User BL</b>	2,918,000	0	(2,918,000)
<i>Nuclear Materials User Fee Class</i>	340,000	0	(340,000)
<i>Fee Relief</i>	2,101,000	0	(2,101,000)
<i>Indirect → Hourly Rate</i>	477,000	0	(477,000)
<b>Decommissioning/Low Level Waste BL</b>	1,070,000	191,000	(879,000)
<i>Spent Fuel Storage/RD Fee Class</i>	522,000	191,000	(331,000)
<i>Fee Relief</i>	548,000	0	(548,000)
<b>Fuel Facilities BL</b>	440,000	0	(440,000)
<b>Corporate BL</b>	13,185,000	0	(13,185,000)

# **Part 170 Fees**

## Section II.A

# Part 170 Fees

## Determination of Professional Hourly Rate

### Section II.A.1

#### Table III

Final Professional Hourly Rate is \$288

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 2020) to determine if the annual direct hours worked per direct FTE estimate requires updating for the FY 2021 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
2,482,568	X	Total work hours in a year (2,087)	=	1,510
3,427,227				

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 \$.

<b>PROGRAM</b>	<b>(1) Total FTE</b>	<b>(2) Total S&amp;B(\$,K):</b>	<b>(2)/(1) FTE Rate (\$)</b>
NUCLEAR REACTOR SAFETY	1,700	337,690	198,641
General Fund	55	11,605	210,995
NUCLEAR MATERIAL SAFETY (Less Excl.Fee Items & General Fund)	441	88,584	200,870
Excl. Fee Items & General Fund	21	4,173	198,714
CORPORATE SUPPORT	588	114,694	195,057
Excl. Fee Items & General Fund	-	-	-
INSPECTOR GENERAL	58	10,672	184,000
TOTAL	2,863	567,417	

MISSION DIRECT RESOURCES

(in actual \$)	<b>nonlabor</b>	<b>labor</b>
NUCLEAR REACTOR SAFETY	\$60,052,000	\$263,994,280
NUCLEAR MATERIALS AND WASTE SAFETY	\$20,315,000	\$71,308,874
CORPORATE SUPPORT	\$0	\$0
TOTAL	\$80,367,000	\$335,303,154

PROGRAM SUPPORT (or MISSION  
INDIRECT) RESOURCES

(in actual \$)	<b>nonlabor</b>	<b>labor</b>
NUCLEAR REACTOR SAFETY (BUDGET PROGRAM)	\$17,971,000	\$73,695,920
NUCLEAR MATERIALS AND WASTE SAFETY (BUDGET PROGRAM)	\$4,269,000	\$17,274,826
TOTAL	\$22,240,000	\$90,970,746

AGENCY SUPPORT (CORPORATE  
SUPPORT & IG) RESOURCES

(in actual \$)	<b>nonlabor</b>	<b>labor</b>
TOTAL	\$158,343,000	\$125,365,100

TOTALS	<b>Total (\$)</b>
Direct Labor	\$335,303,154
Direct Nonlabor (excl. from hourly rates)	\$80,367,000
Indirect Program Support Labor	\$90,970,746
Indirect Program Support Nonlabor	\$22,240,000
Agency Support: Corporate & OIG Labor	\$125,365,100
Agency Support: Corporate & OIG NonLabor	\$158,343,000
TOTAL	\$812,589,000

DETERMINATION OF PROFESSIONAL HOURLY RATE CONTINUED

	% total	value
Total included in professional hourly rates:		
Mission-Direct Program Salaries & Benefits	45.79%	\$335,303,154
Mission-Indirect Program Support	15.46%	\$113,210,746
Agency Support: Corporate Support w/ Inspector General	38.75%	\$283,708,100
Total	100.00%	<u>\$732,222,000</u>
less offsetting receipts*		\$11,443
Total in professional hourly rate**		\$732,210,557

Mission-Direct FTE	1,684
FTE rate- Full Costed** ('Total in professional hourly rates' divided by 'Mission Direct FTE')	\$434,811
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')	2,542,840
Professional Hourly rate** ('Total in professional hourly rates' divided by 'FTE converted to hours')	\$288

*Calculation of offsetting receipts	Total	value
FOIA	%	
	\$11,443	100% \$11,443
INDEMNITY	\$0	100% \$0
TOTAL		<u>\$11,443</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.

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: NEW REACTORS</b>						
<b>Travel</b>						
International Activities Travel	300	0.0	275	0.0	25	0.0
Mission Travel	1,787	0.0	1,845	0.0	(58)	0.0
<b>Support Staff</b>						
Supervisory Staff	0	29.0	0	32.0	0	(3.0)
Admin Assistants	420	9.0	280	17.0	140	(8.0)
Non-Supervisory Staff	0	10.0	48	12.0	(48)	(2.0)
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
<b>Travel</b>						
International Activities Travel	783	0.0	818	0.0	(35)	0.0
Mission Travel	12,118	0.0	12,135	0.0	(17)	0.0
<b>Support Staff</b>						
Supervisory Staff	0	177.0	0	177.0	0	0.0
Admin Assistants	1,453	81.0	884	86.0	569	(5.0)
Non-Supervisory Staff	1,110	65.0	1,642	63.0	(532)	2.0
<b>Grand Total Nuclear Reactor Safety</b>						
	17,971	371.0	17,927	387.0	44	(16.0)
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: FUEL FACILITIES</b>						
<b>Travel</b>						
International Activities Travel	80	0.0	120	0.0	(40)	0.0
Mission Travel	683	0.0	937	0.0	(254)	0.0
<b>Support Staff</b>						
Supervisory Staff	0	10.0	0	13.0	0	(3.0)
Admin Assistants	0	2.0	0	4.0	0	(2.0)
Non-Supervisory Staff	0	2.0	0	2.0	0	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
<b>Travel</b>						
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	1,261	0.0	1,282	0.0	(21)	0.0
<b>Support Staff</b>						
Supervisory Staff	0	24.0	0	25.0	0	(1.0)
Admin Assistants	268	9.0	0	8.0	268	1.0
Non-Supervisory Staff	89	11.0	436	10.0	(347)	1.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE</b>						
<b>Travel</b>						
Mission Travel	736	0.0	652	0.0	84	0.0
International Activities Travel	80	0.0	80	0.0	0	0.0
<b>Support Staff</b>						
Supervisory Staff	0	10.0	0	10.0	0	0.0
Admin Assistants	0	2.0	0	2.0	0	0.0
Non-Supervisory Staff	0	1.0	0	1.0	0	0.0

Mission Program Indirect Budgeted Resources for Professional Hourly Rate Calculation

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION</b>						
<b>Oversight</b>						
<b>Travel</b>						
Mission Travel	523	0.0	449	0.0	74	0.0
International Activities Travel	120	0.0	120	0.0	0	0.0
<b>Support Staff</b>						
Supervisory Staff	0	11.0	0	12.0	0	(1.0)
Admin Assistants	0	2.0	0	2.0	0	0.0
Non-Supervisory Staff	0	2.0	0	2.0	0	0.0
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	4,269	86.0	4,505	91	(236)	(5.0)
<b>Total Mission Program Indirect Resources</b>	22,240	457.0	22,432	478.0	(192)	(21.0)
Total value of Mission Program Indirect Resources (FY 21 \$22,240 contract funding + 457 FTE multiplied by S&B rates)	\$ 22,042	\$ 90,971	\$ 22,432	\$ 88,388	\$ (390)	\$ 2,583

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>CORPORATE SUPPORT</b>						
<b>BUSINESS LINE: CORPORATE SUPPORT</b>						
<b>Acquisitions</b>						
Mission IT	3,121	2.0	5,917	2.0	(2,796)	0.0
Commodity Management	0	1.0	0	1.0	0	0.0
Procurement Operations	235	40.0	235	42.0	0	(2.0)
Administrative Assistants	68	1.0	0	1.0	68	0.0
Supervisory Staff	0	5.0	0	5.0	0	0.0
Travel	8	0.0	8	0.0	0	0.0
<b>Administrative Services</b>						
Mission IT	1,747	2.0	1,807	2.0	(60)	0.0
Supervisory Staff	0	9.0	0	9.0	0	0.0
Support Services	5,285	20.0	7,128	24.0	(1,843)	(4.0)
Administrative Assistants	290	2.0	325	2.0	(35)	0.0
IT Infrastructure	200	1.0	895	0.0	(695)	1.0
Facility Management	5,809	12.0	15,449	14.0	(9,640)	(2.0)
Non-Supervisory Staff	30	5.0	60	5.0	(30)	0.0
Physical & Personnel Security	12,017	19.0	14,235	21.0	(2,218)	(2.0)
Corporate Travel	30	0.0	30	0.0	0	0.0
Rent & Utilities	34,483	1.0	32,502	1.0	1,981	0.0
<b>Financial Management</b>						
Mission IT	11,702	8.0	9,488	9.0	2,214	(1.0)
Corporate Rulemaking	0	2.0	0	2.0	0	0.0
Supervisory Staff	0	12.0	0	12.0	0	0.0
Budgeting	0	26.0	0	26.0	0	0.0
Administrative Assistants	88	2.0	200	2.0	(112)	0.0
Non-Supervisory Staff	285	2.0	460	3.0	(175)	(1.0)
Corporate Travel	19	0.0	39	0.0	(20)	0.0
Financial Services	2,505	22.0	2,387	22.0	118	0.0
Management controls	302	19.0	350	20.0	(48)	(1.0)
<b>Human Resource Management</b>						
Mission IT	1,010	3.0	1,010	3.0	0	0.0
Supervisory Staff	0	6.0	0	6.0	0	0.0
Non-Supervisory Staff	165	2.0	165	2.0	0	0.0
Administrative Assistants	0	1.0	0	1.0	0	0.0
Corporate 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	26	5.0	69	5.0	(43)	0.0
Recruitment & Staffing	820	16.0	820	17.0	0	(1.0)
Change of Station	7,056	0.0	8,504	0.0	(1,448)	0.0
Work Life Services	2,680	5.0	1,883	5.0	797	0.0
<b>Information Technology</b>						
IM Technologies	7,446	12	5,998	12	1,448	0.0
IT Infrastructure	44,231	73.0	43,628	78.0	603	(5.0)
IT Security	5,630	10.0	5,796	11.0	(166)	(1.0)
Information Services	2,036	28.0	1,721	28.0	315	0.0
Information Security	0	2.0	0	2.0	0	0.0
Supervisory Staff	0	16.0	0	17.0	0	(1.0)
Non-Supervisory Staff	0	5.0	0	2.0	0	3.0
Corporate Travel	48	0.0	48	1.0	0	(1.0)
Administrative Assistants	361	1.0	384	1.0	(23)	0.0
Content Management	752	1.0	755	1.0	(3)	0.0
IT Strategic Management	695	26.0	1,103	26.0	(408)	0.0
<b>Outreach</b>						
Small Business & Civil Rights	645	9.0	742	9.0	(97)	0.0
Supervisory Staff	0	2.0	0	2.0	0	0.0

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
Administrative Assistants	0	1.0	61	1.0	(61)	0.0
Non-Supervisory Staff	0	1.0	0	1.0	0	0.0
Mission IT	39	0.0	33	0.0	6	0.0
Corporate Travel	23	0.0	30	0.0	(7)	0.0
<b>Policy Support</b>						
Mission IT	698	0.0	668	0.0	30	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
Commission Appellate Adjudication	5	5.0	5	6.0	0	(1.0)
EDO Operations	0	8.0	0	8.0	0	0.0
Policy Outreach	1,126	34.0	1,126	37.0	0	(3.0)
Secretariat	0	16.0	0	17.0	0	(1.0)
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	13.0	0	0.0
Administrative Assistants	75	16.0	75	15.0	0	1.0
Non-Supervisory Staff	63	1.0	63	1.0	0	0.0
Corporate Travel	824	0.0	824	0.0	0	0.0
<b>Training</b>						
Mission IT	115	2.0	158	2.0	(43)	0.0
Training and Development	1,130	3.0	1,212	4.0	(82)	(1.0)
Organizational Development	42	2.0	10	2.0	32	0.0
Supervisory Staff	0	3.0	0	3.0	0	0.0
Administrative Assistants	53	1.0	0	1.0	53	0.0
IT Security	100	0.0	150	0.0	(50)	0.0
Non-Supervisory Staff	0	1.0	0	1.0	0	0.0
Corporate Travel	117	0.0	341	0.0	(224)	0.0
<b>Total Agency Support (Corporate Support ) Resources</b>	<b>156,722</b>	<b>588</b>	<b>169,384</b>	<b>611</b>	<b>(12,662)</b>	<b>(23.0)</b>
Total value of Corporate Support Resources ( FY21 \$156,722 contract funding + 588 FTE multiplied by S&B rate )	\$ 156,722	\$ 114,693	\$ 169,384	\$ 110,013	(12,662)	4680.0
<b>Office of Inspector General</b>	<b>1,621</b>	<b>58.0</b>	<b>1,703</b>	<b>58.0</b>	<b>(82)</b>	<b>0.0</b>
Total value of the Office of Inspector General Resources (\$1,621 contract funding + 58 FTE multiplied by S&B rate )	\$ 1,621	\$ 10,672	\$ 1,703	\$ 10,440	(82)	232.0
<b>Total Agency Support (Corporate Support and the IG) Resources</b>	<b>\$ 158,343</b>	<b>\$ 125,365</b>	<b>\$ 171,087</b>	<b>\$ 120,453</b>	<b>(12,744)</b>	<b>4912.0</b>

# Part 170 Fees

## Specific Services

### Section II.A.2

Flat application fees are calculated by multiplying the average professional staff hours needed to process the licensing actions by the Final professional hourly rate (\$288 for FY 2021). The agency estimates the average professional staff hours every other year as part of its biennial review of fees which was performed in FY 2021.

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 2021**

FY2021 Professional Hourly Rate  
\$288

<b>Materials Part 170 Fee</b>			
Category	FY 2021 Estimated Professional Process Time  (Hours)*	FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate)	FY 2021 Fee/Cost (Rounded)
<b>1. Special Nuclear Material</b>			
<b>1C. Industrial Gauges</b>			
Inspection Costs**	7.7	\$2,217	\$2,200
New License	4.6	\$1,325	\$1,300
<b>1D. All Other SNM Material, less critical mass</b>			
Inspection Costs**	20.3	\$5,845	\$5,800
New License	9.3	\$2,678	\$2,700
<b>2. Source Material</b>			
<b>2B. Shielding</b>			
Inspection Costs**	10	\$2,879	\$2,900
New License	4.4	\$1,267	\$1,300
<b>2C. Exempt Distribution/SM</b>			
Inspection Costs**	19.4	\$5,586	\$5,600
New License	21.4	\$6,162	\$6,200
<b>2D. General License Distribution</b>			
Inspection Costs**	15.6	\$4,492	\$4,500
New License	9.9	\$2,851	\$2,900
<b>2E. Manufacturing Distribution</b>			
Inspection Costs**	15.6	\$4,492	\$4,500
New License	9.5	\$2,736	\$2,700
<b>2F. All Other Source Material</b>			
Inspection Costs**	32.1	\$9,243	\$9,200
New License	9.5	\$2,736	\$2,700
<b>3. Byproduct Material</b>			
<b>3A. Mfg-Broad Scope</b>			
Inspection Costs**	78.3	\$22,546	\$22,500
New License	46.8	\$13,476	\$13,500
<b>3. Byproduct Material</b>			
<b>3A1. Mfg-Broad Scope</b>			
Inspection Costs**	104.4	\$30,062	\$30,100
New License	62.2	\$17,910	\$17,900
<b>3. Byproduct Material</b>			
<b>3A2. Mfg-Broad Scope</b>			
Inspection Costs**	130.5	\$37,577	\$37,600
New License	77.7	\$22,374	\$22,400

**DETERMINATION OF MATERIALS PART 170 APPLICATION FEES  
and Average Inspection Costs \*\*  
FY 2021**

FY2021 Professional Hourly Rate  
\$288

Materials Part 170 Fee	FY 2021 Estimated Professional Process Time	FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate)	FY 2021 Fee/Cost (Rounded)
<b>Category</b>			
<b>3B. Mfg-Other</b>			
Inspection Costs**	32.2	\$9,272	\$9,300
New License	12.9	\$3,715	\$3,700
<b>3B1. Mfg-Other (sites 6-19)</b>			
Inspection Costs**	42.9	\$12,353	\$12,400
New License	17.2	\$4,953	\$5,000
<b>3B2. Mfg-Other (sites 20 or more )</b>			
Inspection Costs**	53.7	\$15,463	\$15,500
New License	21.4	\$6,162	\$6,200
<b>3C. Mfg/Distribution Radiopharmaceuticals</b>			
Inspection Costs**	24.3	\$6,997	\$7,000
New License	18.7	\$5,385	\$5,400
<b>3C1. Mfg/Distribution Radiopharmaceuticals</b>			
Inspection Costs**	32.5	\$9,358	\$9,400
New License	24.9	\$7,170	\$7,200
<b>3C2. Mfg/Distribution Radiopharmaceuticals</b>			
Inspection Costs**	40.6	\$11,691	\$11,700
New License	31.0	\$8,926	\$8,900
<b>3D. Distribution Radiopharmaceuticals/No Process</b>			
Inspection Costs**	0	\$0	\$0
New License	0	\$0	\$0
<b>3E. Irradiators/Self-Shielded</b>			
Inspection Costs**	47.1	\$13,562	\$13,600
New License	11.5	\$3,311	\$3,300
<b>3F. Irradiators &lt; 10,000 Ci</b>			
Inspection Costs**	15.7	\$4,521	\$4,500
New License	23.4	\$6,738	\$6,700
<b>3G. Irradiators =&gt; 10,000 Ci</b>			
Inspection Costs**	22.1	\$6,364	\$6,400
New License	223.2	\$64,270	\$64,300
<b>3H. Exempt Distribution/Device Review</b>			
Inspection Costs**	12.7	\$3,657	\$3,700
New License	23.9	\$6,882	\$6,900
<b>3I. Exempt Distribution/No Device Review</b>			
Inspection Costs**	14.7	\$4,233	\$4,200
New License	53.2	\$15,319	\$15,300
<b>3J. General License Distribution/Device Review</b>			
Inspection Costs**	10.5	\$3,023	\$3,000
New License	7.2	\$2,073	\$2,100

**DETERMINATION OF MATERIALS PART 170 APPLICATION FEES  
and Average Inspection Costs \*\*  
FY 2021**

FY2021 Professional Hourly Rate  
\$288

<b>Materials Part 170 Fee</b>			
<b>Category</b>	<b>FY 2021 Estimated Professional Process Time</b>	<b>FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate)</b>	<b>FY 2021 Fee/Cost (Rounded)</b>
<b>3K. General License Distribution/No Device Review</b>			
Inspection Costs**	10.4	\$2,995	\$3,000
New License	4.1	\$1,181	\$1,200
<b>3L. R&amp;D-Broad</b>			
Inspection Costs**	38	\$10,942	\$10,900
New License	19.7	\$5,673	\$5,700
<b>3L1 R&amp;D-Broad</b>			
Inspection Costs**	50.7	\$14,599	\$14,600
New License	26.2	\$7,544	\$7,500
<b>3L2 R&amp;D-Broad</b>			
Inspection Costs**	63.3	\$18,227	\$18,200
New License	32.7	\$9,416	\$9,400
<b>3M. R&amp;D-Other</b>			
Inspection Costs**	32.5	\$9,358	\$9,400
New License	29.8	\$8,581	\$8,600
<b>3N. Service License</b>			
Inspection Costs**	33.1	\$9,531	\$9,500
New License	32	\$9,214	\$9,200
<b>3O. Radiography</b>			
Inspection Costs**	28.5	\$8,207	\$8,200
New License	31.8	\$9,157	\$9,200
<b>3O1. Radiography</b>			
Inspection Costs**	38.0	\$10,942	\$10,900
New License	42.4	\$12,209	\$12,200
<b>3O2. Radiography</b>			
Inspection Costs**	47.5	\$13,678	\$13,700
New License	53.0	\$15,261	\$15,300
<b>3P. All Other Byproduct Material</b>			
Inspection Costs**	23.1	\$6,652	\$6,700
New License	22.8	\$6,565	\$6,600
<b>3P1. All Other Byproduct Material</b>			
Inspection Costs**	30.8	\$8,869	\$8,900
New License	30.4	\$8,754	\$8,800
<b>3P2. All Other Byproduct Material</b>			
Inspection Costs**	38.5	\$11,086	\$11,100
New License	38.0	\$10,942	\$10,900

**DETERMINATION OF MATERIALS PART 170 APPLICATION FEES  
and Average Inspection Costs \*\*  
FY 2021**

FY2021 Professional Hourly Rate  
\$288

Materials Part 170 Fee	FY 2021 Estimated Professional Process Time	FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate)	FY 2021 Fee/Cost (Rounded)
Category			
<b>3R1. Radium-226 (less than or equal to 10x limits in 31.12)</b>			
Inspection Costs**	24.2	\$6,968	\$7,000
New License	9.2	\$2,649	\$2,600
<b>3R2. Radium-226 (more than 10x limits in 31.12)</b>			
Inspection Costs**	16.2	\$4,665	\$4,700
New License	9	\$2,592	\$2,600
<b>3S. Accelerator Produced Radionuclides</b>			
Inspection Costs**	26.2	\$7,544	\$7,500
New License	51.1	\$14,714	\$14,700
<b>4B. Waste Packaging</b>			
Inspection Costs**	23.8	\$6,853	\$6,900
New License	24.9	\$7,170	\$7,200
<b>4C. Waste-Prepackaged</b>			
Inspection Costs**	14.2	\$4,089	\$4,100
New License	18	\$5,183	\$5,200
<b>5. Well Logging</b>			
<b>5A. Well Logging</b>			
Inspection Costs**	33.1	\$9,531	\$9,500
New License	16.5	\$4,751	\$4,800
<b>6. Nuclear Laundries</b>			
<b>6A. Nuclear Laundry</b>			
Inspection Costs**	21.7	\$6,249	\$6,200
New License	79.7	\$22,950	\$22,900
<b>7. Human Use</b>			
<b>7A. Teletherapy</b>			
Inspection Costs**	89.4	\$25,743	\$25,700
New License	40	\$11,518	\$11,500
<b>7. Human Use</b>			
<b>7A1. Teletherapy</b>			
Inspection Costs**	119.2	\$34,324	\$34,300
New License	53.2	\$15,319	\$15,300
<b>7. Human Use</b>			
<b>7A2. Teletherapy</b>			
Inspection Costs**	149.0	\$42,905	\$42,900
New License	66.4	\$19,120	\$19,100

**DETERMINATION OF MATERIALS PART 170 APPLICATION FEES  
and Average Inspection Costs \*\*  
FY 2021**

FY2021 Professional Hourly Rate  
\$288

<b>Materials Part 170 Fee</b>			
<b>Category</b>	<b>FY 2021 Estimated Professional Process Time</b>	<b>FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate)</b>	<b>FY 2021 Fee/Cost (Rounded)</b>
<b>7B. Medical-Broad</b>			
Inspection Costs**	79.6	\$22,921	\$22,900
New License	31.2	\$8,984	\$9,000
<b>7B1. Medical-Broad</b>			
Inspection Costs**	106.1	\$30,551	\$30,600
New License	41.5	\$11,949	\$11,900
<b>7B2. Medical-Broad</b>			
Inspection Costs**	132.7	\$38,211	\$38,200
New License	51.8	\$14,914	\$14,900
<b>7C. Medical-Other</b>			
Inspection Costs**	25.2	\$7,256	\$7,300
New License	37.8	\$10,885	\$10,900
<b>7C1. Medical-Other</b>			
Inspection Costs**	33.6	\$9,675	\$9,700
New License	31.4	\$9,042	\$9,000
<b>7C2. Medical-Other</b>			
Inspection Costs**	41.5	\$11,950	\$11,900
New License	39.2	\$11,288	\$11,300
<b>8. Civil Defense</b>			
<b>8A. Civil Defense</b>			
Inspection Costs**	24.2	\$6,968	\$7,000
New License	9.2	\$2,649	\$2,600
<b>9. Device, product or sealed source evaluation</b>			
<b>9A. Device evaluation-commercial distribution</b>			
Application - each device	62.2	\$17,910	\$17,900
<b>9B. Device evaluation - custom</b>			
Application - each device	32.4	\$9,330	\$9,300
<b>9C. Sealed source evaluation - commercial distribution</b>			
Application - each source	19	\$5,471	\$5,500
<b>9D. Sealed source evaluation - custom</b>			
Application - each source	3.8	\$1,094	\$1,100
<b>10. Transportation</b>			
<b>10B. Evaluation - Part 71 QA program</b>			
Application - approval	15.1	\$4,348	\$4,300

**DETERMINATION OF MATERIALS PART 170 APPLICATION FEES  
and Average Inspection Costs \*\*  
FY 2021**

**FY2021 Professional Hourly Rate  
\$288**

<b>Materials Part 170 Fee</b>			
<b>Category</b>	<b>FY 2021 Estimated Professional Process Time</b>	<b>FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate)</b>	<b>FY 2021 Fee/Cost (Rounded)</b>
<b>17. Master Materials License<sup>1</sup></b>			
Inspection Costs**	504.5	\$145,271	\$145,300
New License	565	\$162,692	\$162,700

**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 2021 Biennial Review

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

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

# Part 170 Fees

## Export and Import Fees

### Section II.A.2

Flat application fees are calculated by multiplying the average professional staff hours needed to process the licensing actions by the Final professional hourly rate (\$288 for FY 2021). 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 2021.

**Note:** The FY 2020 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 charged fees under the 2020 Final rule.

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

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: NEW REACTORS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
Total Direct Resources	0	0.0	0	0.0	0	0.0
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>International Activities</b>						
Licensing Import/Export	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
<b>Grand Total Nuclear Reactor Safety</b>	0	0.0	0	0.0	0	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: FUEL FACILITIES</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>International Activities</b>						
Licensing Import/Export	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>International Activities</b>						
Licensing Import/Export	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
Total Direct Resources	0	0.0	0	0.0	0	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
Total Direct Resources	0	0.0	0	0.0	0	0.0
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	0	0.0	0	0.0	0	0.0
<b>TOTAL</b>	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	

**DETERMINATION OF MATERIALS PART 170 APPLICATION FEES  
and Average Inspection Costs \*\*  
FY 2021**

**FY2021 Professional Hourly Rate  
\$288**

**Materials Part 170 Fee**

<b>Category</b>	<b>FY 2021 Estimated Professional Process Time</b>	<b>FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate)</b>	<b>FY 2021 Fee/Cost (Rounded)</b>
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**DETERMINATION OF EXPORT AND IMPORT PART 170 FEES  
FY 2021**

FY 2021 Professional Hourly Rate = \$288

**Export and Import Part 170 Fees**

<b>Category</b>	<b>FY 2021 Estimated Professional Process Time (Hours)*</b>	<b>FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate)</b>	<b>FY 2021 Fee/Cost (Rounded)</b>
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**10 CFR 170.21, Category K  
Subcategory**

1	70	20,156	20,200
2	35	10,078	10,100
3	25	7,199	7,200
4	17	4,895	4,900
5	15	4,319	4,300

**10 CFR 170.31, Category 15  
Subcategory**

A	70	20,156	20,200
B	35	10,078	10,100
C	25	7,199	7,200
D	17	4,895	4,900
E	17	4,895	4,900
F	60	17,277	17,300
G	30	8,638	8,600
H	17	4,895	4,900
I	5	1,440	1,400
J	60	17,277	17,300
K	30	8,638	8,600
L	15	4,319	4,300
M	0	0	0
N	0	0	0
O	0	0	0
P	0	0	0
Q	0	0	0
R	5	1,440	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 2021 Biennial Review

# **Part 170 Fees**

## **Reciprocity Fees - Agreement State Licensees**

### **Section II.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 2015 through 2019 data and the FY 2021 professional hourly rate. The FYs 2015-2019 reciprocity fee data was provided as part of the FY 2021 biennial review of fees.



# **Part 170 Fees**

## **General License Registration Fees**

### **Section II.A.2**

This fee under byproduct material is for registration of a device(s) generally licensed under 10 CFR Part 31.

**DETERMINATION OF MATERIALS PART 170 APPLICATION FEES  
and Average Inspection Costs \*\*  
FY 2021**

**FY2021 Professional Hourly Rate  
\$288**

**Materials Part 170 Fee**

Category	FY 2021 Estimated Professional Process Time	FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate)
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**DETERMINATION OF GENERAL LICENSE REGISTRATION FEE , FY 2021  
(FEE CATEGORY 3Q)**

<u>NMSS GL Program</u>	<u>Total GL Resources</u>	<u>% Supporting Registrable GLs</u>	<u>Total Supporting Registrable GLs</u>
budgeted FTE			
	Regions		0.00
	HQ		0.10
budgeted contract \$			
	Regions		\$0
	HQ		\$291,000
full cost of FTE	\$434,811		\$434,811
total budgeted resources, NMSS GL Program (equals full cost of FTE + contract \$)			\$334,481
portion of budgeted resources associated w/fee exempt GLs (nonprofit educational)			\$12,710
net to be recovered			\$321,771
fee assuming 428 registrable GLs			\$751.80
fee, rounded			\$800

Data based on the NRC budget documents and the 10/20 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 2020 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**

<b>Fee Class</b>	<b>FY 2020 Actual Part 170-User Fees % of Total Collections for the Fee Class</b>	<b>FY 2020 Actual Part 171-Annual Fees % of Total Collections for the Fee Class</b>	<b>FY 2019 Estimated Part 170-User Fees % of Total Collections for the Fee Class</b>	<b>FY 2019 Estimated Part 171-Annual Fees % of Total Collections for the Fee Class</b>
Fee Relief Activities	100%	0%	100%	0%
Operating Power Reactors	29%	71%	32%	68%
Spent Fuel Storage/Reactor Decommissioning	35%	65%	47%	53%
Fuel Facilities	26%	74%	21%	79%
Uranium recovery	61%	39%	87%	13%
Research and Test Reactors	98%	2%	73%	27%
Rare Earth	0%	0%	0%	0%
Materials users	3%	97%	4%	96%
Transportation	71%	29%	78%	22%
Export and Import Fees	0%	0%	0%	0%
Total	29%	71%	32%	68%

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 2021 Congressional Budget Justification , 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 II.B

# **Part 171 Annual Fees**

## **Application of LLW Surcharge**

### **Section II.B.1**

#### **Table IV**

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.

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

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Licensing</b>						
Policy Outreach	0	0.5	0	0.5	0	0.0
<b>Oversight</b>						
LLW Regulation & Oversight	50	5.0	50	5.0	0	0.0
<b>Rulemaking</b>						
Rulemaking	50	2.0	50	2.4	0	(0.4)
Rulemaking Support	0	0.0	0	0.0	0	0.0
<b>Total Direct Resources</b>	<b>100</b>	<b>7.5</b>	<b>100</b>	<b>7.9</b>	<b>0</b>	<b>(0.4)</b>
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	<b>100</b>	<b>7.5</b>	<b>100</b>	<b>7.9</b>	<b>0</b>	<b>(0.4)</b>
<b>TOTAL GENERIC LOW LEVEL WASTE</b>	<b>100</b>	<b>7.5</b>	<b>100</b>	<b>7.9</b>	<b>0</b>	<b>(0.4)</b>
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$3,361		\$3,430		(\$69)	

## Low-Level Waste Surcharge Update for FY 2021 Final Fee Rule

### 1. Percentages to allocate remainder of Generic Low-Level Waste resources to Power Reactors, Fuel Facilities, and Materials

DOE's Manifest Information Management System (MIMS) database was used to determine a 5-year average (Calendar Years 2016 – 2020) based on the DOE MIMS Class. The following were the results as of 03/11/2021:

Power Reactor:	74.6%
Fuel Facilities:	8.4%
Materials:	17.0%

87% of the Materials portion from the above distribution is allocated to Oversight of Agreement States (AS) off-fee base category. This results in the following distribution:

Power Reactor:	74.6%
Fuel Facilities:	8.4%
Materials (NRC):	2.2%
<i>Materials (AS):</i>	<i>14.8% *Allocate to Oversight of AS Fee Relief Category</i>

To adjust the above Power Reactor, Fuel Facilities, and Materials (NRC) percentages, the percentages are divided by the total of the remainder after the AS portions were removed (100% - 14.8% = 85.2%).

<b>Power Reactor</b>	$74.6\%/85.2\% = 87.56\%$
<b>Fuel Facilities</b>	$8.4\%/85.2\% = 9.86\%$
<b>Materials (NRC)</b>	$2.2\%/85.2\% = 2.58\%$

# Part 171 Annual Fees

## Operating Power Reactors

### Section II.B.2.a

#### Table VI

The budgeted costs to be recovered through annual fees to power reactors are divided equally among the 93 power reactors licensed to operate. This results in a FY 2021 annual fee of \$4,749,000 per reactor. Additionally, each power reactor licensed to operate would be assessed the FY 2021 spent fuel storage/reactor decommissioning annual fee of \$237,000. This results in a total FY 2021 annual fee of \$4,986,000 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 OMB circular A-25 user fees and NEIMA. Currently, there are no operating SMRs; therefore, the NRC will not propose an annual fee in FY 2021 for this type of licensee.

FY 2021 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		POWER REACTORS ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	78,023.0	1,700.0	59,371.4	1,268.9
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	24,584.0	441.0	91.0	1.4
CORPORATE	156,722.0	588.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,621.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	260,950.0	2,787.0	59,462.4	1,270.3
<b>Figures below in \$, M (unless otherwise indicated)</b>				
(1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				611.8
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				161.6
(3) PART 171 ALLOCATIONS (equals 1 - 2)				450.2
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				0.3
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				450.6
(6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				612.1
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				85.45%
(8) LLW Surcharge				2.9
(9) LLW Surcharge per licensee				0.032
(10) Part 171 billing adjustments				-9.1
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3)				-2.7
(12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11)				441.7
(13) Number of Licensees				93
(14) Fee Per License (equals 12/13)				4.75
unrounded annual fee amount per license, actual \$				4,748,992
rounded annual fee, actual \$				4,749,000
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	434,811			

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

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: NEW REACTORS</b>						
<i>PRODUCT LINE/ PRODUCTS:</i>						
<b>Licensing</b>						
Combined Licenses	456	29.0	0	0.0	456	29.0
Design Certification	0	1.0	1,250	47.0	(1,250)	(46.0)
Early Site Permit	0	0.0	475	11.0	(475)	(11.0)
EDO Operations	0	1.0	0	1.0	0	0.0
IT Infrastructure	1,409	3.0	1,605	0.0	(196)	3.0
Licensing Actions	50	18.0	150	19.0	(100)	(1.0)
Licensing Support	455	22.0	936	32.0	(481)	(10.0)
Mission IT	2,644	3.0	2,740	5.0	(96)	(2.0)
Part 50	0	3.0	0	0.0	0	3.0
Operator Licensing	0	2.0	0	7.0	0	(5.0)
Policy Advice & Outreach	0	1.0	0	0.0	0	1.0
Pre-Application Reviews	0	23.0	0	10.0	0	13.0
<b>Oversight</b>						
Allegations & Investigations	0	5.9	0	8.9	0	(3.0)
Construction Inspection	210	31.0	210	39.0	0	(8.0)
Emergency Preparedness	0	1.0	0	1.0	0	0.0
Enforcement	6	2.0	6	2.0	0	0.0
Security	238	3.0	238	3.0	0	0.0
Vendor Inspection	40	8.0	20	11.0	20	(3.0)
<b>Research</b>						
New Reactors Research	2,545	7.0	2,535	10.0	10	(3.0)
<b>Rulemaking (PL)</b>						
Rulemaking	0	7.0	0	9.0	0	(2.0)
Rulemaking Support	0	1.0	0	0.0	0	1.0
<b>Training</b>						
Mission Training	1,726	7.0	959	9.0	767	(2.0)
Mission IT	63	0.0	85	0.0	(22)	0.0
Organizational Development	23	0.0	0	0.0	23	0.0
Entry Level Hiring	0	7.0	0	0.0	0	7.0
NSPDP Training	0	0.0	0	2.0	0	(2.0)
<b>Total Direct Resources</b>	<b>9,865</b>	<b>185.9</b>	<b>11,209</b>	<b>226.9</b>	<b>(1,344)</b>	<b>(41.0)</b>
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Event Response</b>						
Mission IT/Infrastructure	5,376	11.0	4,344	11.0	1,032	0.0
Other Response Activities	0	0.0	1,420	0.0	(1,420)	0.0
Response Operations	125	19.0	125	19.0	0	0.0
Response Program	0	15.0	0	15.0	0	0.0
<b>Licensing</b>						
EDO Operations	0	3.0	0	3.0	0	0.0
Emergency Preparedness	0	3.0	0	4.0	0	(1.0)
Fukushima NTTF/Japan Lessons Learned	0	3.0	400	10.0	(400)	(7.0)
License Renewal	170	52.0	170	39.0	0	13.0
Licensing Actions	1,881	143.5	1,656	153.0	225	(9.5)
Licensing Support	2,665	88.5	1,565	82.0	1,100	6.5
Mission IT	236	0.0	241	0.0	(5)	0.0
NSPDP Training	0	0.0	0	0.0	0	0.0
Operator Licensing	255	38.0	255	38.0	0	0.0
Policy Outreach	0	3.0	0	3.0	0	0.0
RIC	263	1.0	0	1	263	0.0
Security	250	11.0	250	11	0	0.0
<b>Oversight</b>						
Allegations & Investigations	25	43.9	25	49.9	0	(6.0)
Emergency Preparedness	0	19.0	0	20.0	0	(1.0)
Enforcement	116	15.7	116	16.7	0	(1.0)
Event Evaluation	0	30.0	0	35.0	0	(5.0)
Fukushima NTTF	0	2.0	0	7.0	0	(5.0)
Inspection	1,836	317.0	2,200	319.0	(364)	(2.0)

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

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
Information Services	1,651	0.0	1,181	0.0	470	0.0
IT Infrastructure	1,429	2.0	1,874	0.0	(445)	2.0
Mission IT	4,554	3.0	4,760	5.0	(206)	(2.0)
NSPDP Training	0	0.0	0	0.0	0	0.0
Security	3,539	56.0	3,745	57.0	(206)	(1.0)
Vendor Inspection	0	2.0	0	2.0	0	0.0
<b>Research</b>						
Aging & Materials Research	3,280	18.0	5,091	20.0	(1,811)	(2.0)
Digital I&C & Electrical Res.	0	0.0	0	0.0	0	0.0
Engineering Research	2,755	24.0	2,911	24.0	(156)	0.0
Generic Issues & Oper. Exp.	0	0.0	0	2.0	0	(2.0)
Mission IT	2,051	3.0	2,736	2.0	(685)	1.0
Reactor Research Support	500	9.0	0	7.0	500	2.0
Reactor Safety Codes & Analysis	0	0.0	0	0.0	0	0.0
Risk Analysis	7,788	46.0	6,215	50.0	1,573	(4.0)
Systems Analysis Research	4,200	21.0	7,247	23.0	(3,047)	(2.0)
<b>Rulemaking (PL)</b>						
Rulemaking	100	18.6	225	23.7	(125)	(5.1)
Rulemaking Support	300	14.0	300	13.0	0	1.0
<b>Training</b>						
Business Process Improvements	0	0.0	0	0.6	0	(0.6)
Entry Level Hiring	0	21.0	0	0.0	0	21.0
Organizational Development	102	0.0	70	0.0	32	0.0
Mission IT	500	0.0	744	0.0	(244)	0.0
Mission Training	3,559	26.8	3,050	24.8	509	2.0
NSPDP Training	0	0.0	0	9.0	0	(9.0)
Total Direct Resources	49,506	1083.0	52,916	1,099.7	(3,410)	(16.7)
<b>Grand Total Nuclear Reactor Safety</b>	<b>59,371</b>	<b>1268.9</b>	<b>64,125</b>	<b>1,326.6</b>	<b>(4,754)</b>	<b>(57.7)</b>
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Oversight</b>						
Inspection	6	0.0	6	0.0	0	0.0
<b>State, Tribal and Federal Programs</b>						
Liaison	0	0.8	0	0.8	0	0.0
<b>Training</b>						
Mission Training	85	0.2	102	0.2	(17)	0.0
Total Direct Resources	91	1.0	108	1.0	(17)	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Rulemaking (PL)</b>						
Rulemaking	0	0.4	0	0.4	0	0.0
<b>Training</b>						
Mission Training	0	0.0	0	0	0	0.0
Total Direct Resources	0	0.4	0	0.4	0	0.0
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	<b>91.0</b>	<b>1.4</b>	<b>108</b>	<b>1.4</b>	<b>(17)</b>	<b>0.0</b>
<b>TOTAL POWER REACTORS</b>	<b>59,462.4</b>	<b>1,270.3</b>	<b>64,233</b>	<b>1,328.0</b>	<b>(4,771)</b>	<b>(57.7)</b>
Total value of budgeted resources for fee class (mission direct FTE x full cost of FTE + mission direct contract \$)	611,803		623,947		(\$12,144)	

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, fuel safety, modeling future strategies for disposal of spent fuel and high level waste and monitoring developments in the evolving national waste management strategy. In addition to tribal program activities, dosimeter costs and materials training widely attended by all agency staff including inspectors benefitting numerous facets of the agency's mission.

OPERATING POWER REACTOR ANNUAL FEE  
FY 2021

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

Westinghouse	46
General Electric	31
Combustion Engineering	11
Babcock & Wilcox	<u>5</u>
TOTAL REACTORS	93

DETERMINATION OF ANNUAL FEE:

TOTAL BUDGETED COSTS FOR OPERATING POWER REACTORS (PRIOR TO PART 170 & OTHER ADJUSTMENTS)	\$611,803,021
ANNUAL FEE PER REACTOR (rounded) (BUDGETED COSTS DIVIDED BY 93 OPERATING POWER REACTORS)	\$ 4,749,000
PLUS SPENT FUEL STORAGE/ REACTOR DECOMMISSIONING ANNUAL FEE	\$237,000
TOTAL ANNUAL FEE PER LICENSE	\$ 4,986,000

## Consumer Price Index\* Trend Analysis

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Average	Operating Reactor Annual Fee Based on CPI in Accordance with NEIMA**
2014	1.6	1.1	1.5	2.0	2.1	2.1	2.0	1.7	1.7	1.7	1.3	0.8	1.6	\$5,223,000
2015	-0.1	0.0	-0.1	-0.2	0.0	0.1	0.2	0.2	0.0	0.2	0.5	0.7	0.1	\$4,807,000
2016	1.4	1.0	0.9	1.1	1.0	1.0	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	2.0	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	2.0	1.8	1.6	1.8	1.7	1.7	1.8	2.1	2.3	1.8	\$5,187,773
2020	2.5	2.3	1.5	0.3	0.1	0.6	1.0	1.3	1.4	1.2	1.2	1.4	1.3	\$5,255,214
<b>Average</b>	<b>1.7</b>	<b>1.5</b>	<b>1.5</b>	<b>1.4</b>	<b>1.4</b>	<b>1.4</b>	<b>1.5</b>	<b>1.5</b>	<b>1.5</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<b>1.5</b>	

\*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.

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

(Dollars in thousands)

Product Lines	Reactor Business Lines (CBJ)	
	Contract \$	FTE
Event Response	6,555.0	45.0
Generic Homeland Security	0.0	8.0
International Activities	110.0	21.0
Licensing	14,488.0	485.0
Oversight	18,562.0	548.0
Rulemaking	400.0	41.0
Research	32,038.0	128.0
Mission Support/Supervisors	2,785.0	372.0
State/Tribal/Federal Programs	0.0	0.0
Training	5,935.0	60.0
Travel	14,988.0	0.0
	<u>\$ 95,861.0</u>	<u>1,708.0</u>
FTE rate \$198,000 times 1470 FTEs & \$202,600 times 238 FTEs (includes Salaries & Benefits only)		<u>\$ 339,279.0</u>
Total Business Line Budget (BL)	\$ 95,861.0	\$ 339,279.0 = \$ 435,140.0

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

<b>Deductions from BL resources</b>		
Event Response <sup>5</sup>	(1,054.0)	-
Generic Homeland Security <sup>1</sup>	-	(8.0)
International Activities <sup>1</sup>	(110.0)	(21.0)
Licensing <sup>3, 5</sup>	(3,754.0)	(33.0)
Oversight <sup>3, 5</sup>	(4,917.6)	(6.5)
Research <sup>5</sup>	(8,919.0)	-
Rulemaking <sup>3</sup>	-	(0.4)
Mission Support/Supervisors <sup>2, 5</sup>	(2,785.0)	(372.0)
Training <sup>3</sup>	(112.0)	(0.2)
Travel <sup>2</sup>	(14,988.0)	0.0
	<u>(\$36,639.6)</u>	<u>(441.1)</u>
<b>Increases from Other resources</b>		
Oversight <sup>4</sup>	6.0	0.0
Rulemaking <sup>4</sup>	0.0	0.4
State/Tribal/Federal Programs <sup>4</sup>	0.0	0.8
Training <sup>4, 5</sup>	235.0	2.2
	<u>\$241.0</u>	<u>3.4</u>
BL resources w/ fee rule allocations	\$ 59,462.4	1,270.3
FTE fully costed rate \$434,811 times 1,270.3 FTEs (includes Salaries, Benefits, indirect resources& agency support )		<u>\$ 552,340.4</u>
Total Fee Class Budget	\$ 59,462.4	\$ 552,340.4 = \$ 611,802.80
<b>Variances</b>	\$ (36,398.6)	(438) \$ 213,061.4 \$ 176,662.8

**Notes:**

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

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

# Part 171 Annual Fees

## Spent Fuel Storage/Reactor Decommissioning

### Section II.B.2.b

#### Table VII

For FY 2021, budgeted costs of approximately \$28.9 million for spent fuel storage/reactor decommissioning are to be recovered through annual fees assessed to part 50 power reactor licensees, 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 2021 annual fee of \$237,000 per licensee.

FY 2021 MISSION DIRECT BUDGETED RESOURCES			SPENT FUEL STORAGE/ REACTOR DECOMM.	
			ALLOCATIONS	
	TOTAL		CONTRACT	
	CONTRACT			
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	78,023.0	1,700.0	1.4	0.5
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	24,584.0	441.0	4,628.0	86.0
CORPORATE	156,722.0	588.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,621.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	260,950.0	2,787.0	4,629.4	86.5
<b>Figures below in \$, M (unless otherwise indicated)</b>				
<b>(1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)</b>				42.2
<b>(2) LESS ESTIMATED PART 170 FEE COLLECTIONS</b>				13.8
<b>(3) PART 171 ALLOCATIONS (equals 1 - 2)</b>				28.4
<b>(4) GENERIC TRANSPORTATION RESOURCES (allocated)</b>				1.1
<b>(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)</b>				29.5
<b>(6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)</b>				43.3
<b>(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)</b>				6.05%
<b>(8) LLW Surcharge</b>				0.0
<b>(9) LLW Surcharge per licensee</b>				
<b>(10) Part 171 billing adjustments</b>				-0.6
<b>(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3)</b>				0.000
<b>(12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11)</b>				28.9
<b>(13) Number of Licensees</b>				122
<b>(14) Fee Per License (equals 12/13)</b>				0.237
<b>unrounded annual fee amount per license, actual \$</b>				236,520
<b>rounded annual fee, actual \$</b>				237,000
<b>FTE FULLY COSTED RATE (average based on budget data, actual \$):</b> See Determination of Hourly Rate for calculations			434,811	

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

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: NEW REACTORS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Oversight</b>						
Allegations & Investigations	0	0.1	0	0.1	(0)	0.0
Total Direct Resources	0	0.1	0	0.1	(0)	0.0
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Training</b>						
Business Process Improvement	0	0	0	0.1	0	(0.1)
<b>Oversight</b>						
Allegations & Investigations	0	0.1	0	0.1	0	0.0
Enforcement	1	0.1	1	0.1	0	0.0
<b>Rulemaking</b>						
Rulemaking (PL)	0	0.2	0	0.0	0	0.2
Total Direct Resources	1.4	0.4	1	0.3	0	0.1
<b>Grand Total Nuclear Reactor Safety</b>	<b>1.4</b>	<b>0.5</b>	<b>1.4</b>	<b>0.4</b>	<b>0</b>	<b>0.1</b>
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: FUEL FACILITIES</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Licensing</b>						
Licensing Actions	0	0.0	0	0.5	0	(0.5)
Total Direct Resources	0	0.0	0	0.5	0	(0.5)
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Licensing</b>						
EDO Operations	0	0.5	0	0.5	0	0.0
<b>Oversight</b>						
Enforcement	2	0.4	2	0.2	0	0.2
Inspection	6	0.0	6	0.0	0	0.0
<b>Training</b>						
Mission Training	0	0.2	37	0.2	(37)	0.0
Total Direct Resources	8.0	1.1	44.7	0.9	(37)	0.2
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Licensing</b>						
Decommissioning Licensing Actions	595	7.5	73	5.6	522	1.9
Decommissioning Environmental Reviews	0	0.0	100	0.0	(100)	0.0
Mission IT	67	0.0	0	0.0	67	0.0
IT Infrastructure	167	0.0	407	0.0	(240)	0.0
<b>Oversight</b>						
Inspection	0	6.8	0	6.5	0	0.3
<b>Training</b>						
Mission Training	157	1.0	138	0.3	19	0.7
Total Direct Resources	986	15.3	718	12.4	268	2.9
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Licensing</b>						
Environmental Reviews	770	4.0	1400	6.0	(630)	(2.0)
Licensing Actions	30	4.0	140	4.0	(110)	0.0
Licensing Support	100	11.4	100	9.0	0	2.4
Mission IT/Infrastructure	310	0.0	119	0.0	191	0.0
Policy Outreach	0	1.0	0	0.5	0	0.5
Security	0	3.0	0	3.0	0	0.0
Storage Licensing	452	25.0	452	25.0	0	0.0
<b>Oversight</b>						
Security	0	1.8	0	2.0	0	(0.2)
Inspection	0	9.5	0	10.0	0	(0.5)
<b>Research</b>						
Waste Research	1,877	4.0	514	3.0	1,363	1.0
<b>Rulemaking</b>						
Rulemaking (PL)	0	4.0	0	4.0	0	0.0
Rulemaking Support	0	0.4	0	0.4	0	0.0
<b>Training</b>						
Mission Training	90	0.0	51	0.5	39	(0.5)
Organizational Development	5	0.0	0	0.0	5	0.0

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

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
Entry Level Hiring	0	1.5	0	0.0	0	1.5
Total Direct Resources	3,634.0	69.6	2,776	67.4	858	2.2
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	<b>4,628.0</b>	<b>86.0</b>	<b>3,538.7</b>	<b>81.2</b>	<b>1,089</b>	<b>4.8</b>
<b>TOTAL SPENT FUEL STORAGE &amp; REACTOR DECOMM.</b>	<b>4,629.4</b>	<b>86.5</b>	<b>3,540</b>	<b>81.6</b>	<b>1,089</b>	<b>4.9</b>
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$42,241		\$37,932		\$4,308	

SPENT FUEL STORAGE/REACTOR DECOMMISSIONING  
ANNUAL FEE  
FY 2021

LICENSES SUBJECT TO THE ANNUAL FEE:

Operating Power Reactor Licensees: 93

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
Indian Point Unit 3	50-286
Duane Arnold	50-331

Total No. of Reactors in decommissioning or possession only status  
with fuel onsite: 25

Part 72 Licensees without a Part 50 License

Ft. St. Vrain	72-009
GE Morris	72-001

04/26/2021

Foster Wheeler Environmental Corp.  
Trojan

72-025  
72-017

Total Part 72 licenses: 4

The annual fee is determined by dividing the total budgeted costs of approximately \$28.9 million by the total number of licensees (122). This results in an annual fee (rounded) of \$237,000 per license.

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

	<b>Spent Fuel Storage/ Transportation Business Line (CBJ)</b>	
	Contract \$	FTE
<b>Product Lines</b>		
Event Response	0.0	0.0
Generic Homeland Security	0.0	0.0
International Activities	0.0	1.0
Licensing	3,814.0	61.0
Oversight	0.0	13.0
Research	1,877.0	4.0
Rulemaking	0.0	6.0
Mission Support/Supervisors	0.0	15.0
State/Tribal/Federal Programs	0.0	0.0
Training	308.0	2.0
Travel	643.0	0.0
	<b>\$ 6,642.0</b>	<b>102.0</b>

FTE rate \$210,300 times 102 FTEs  
(includes Salaries & Benefits only)

**\$ 21,450.6**

Total Business Line Budget (BL)

**\$ 6,642.0**

**\$ 21,450.6 =**

**\$ 26,446.6**

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

**Deductions from BL resources**

Event Response <sup>3</sup>	0.0	0.0
Generic Homeland Security <sup>1</sup>	0.0	0.0
International Activities <sup>1</sup>	0.0	(1.0)
Licensing <sup>3,5</sup>	(2,160.0)	(12.6)
Oversight <sup>3</sup>	0.0	(1.7)
Mission Support/Supervisors <sup>2</sup>	0.0	(15.0)
Research <sup>3</sup>	0.0	0.0
Rulemaking <sup>3</sup>	0.0	(1.6)
State/Tribal/Federal Programs <sup>3</sup>	0.0	0.0
Training <sup>3</sup>	(205.0)	(0.5)
Travel <sup>2</sup>	(643.0)	0.0
	<b>(\$3,008.0)</b>	<b>(32.4)</b>

**Increases from Other resources**

International Activities <sup>4</sup>	0.0	0.0
Licensing <sup>4, 5</sup>	829.0	8.0
Oversight <sup>4</sup>	9.4	7.5
Rulemaking <sup>4</sup>	0.0	0.2
Training <sup>4</sup>	157.0	1.2
	<b>995.4</b>	<b>16.9</b>

*BL resources w/ fee rule allocations*

**\$ 4,629.4**

**86.5**

FTE fully costed rate \$434,811 times 86.5 FTEs

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

**\$ 37,611.2**

Total Fee Class Budget

**\$ 4,629.4**

**\$ 37,611.2 =**

**\$ 42,240.60**

**Variances**

**\$ (2,012.6)**

**(15.5)**

**\$ 16,160.6**

**\$ 15,794.0**

**Notes:**

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

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

# Part 171 Annual Fees

## Fuel Facilities

Section II.B.2.c

Table VIII

Table IX

Table X

The FY 2021 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 \$17.5 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 low-level waste surcharge.

FY 2021 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		FUEL FACILITY ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	78,023.0	1,700.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	24,584.0	441.0	1,762.0	49.6
CORPORATE	156,722.0	588.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,621.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	260,950.0	2,787.0	1,762.0	49.6
<b>Figures below in \$, M (unless otherwise indicated)</b>				
(1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				23.3
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				7.3
(3) PART 171 ALLOCATIONS (equals 1 - 2)				16.0
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				1.5
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				17.6
(6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				24.9
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				3.47%
(8) LLW Surcharge				0.3
(9) LLW Surcharge per licensee				
(10) Part 171 billing adjustments				-0.4
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3)				0.000
(12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11)				17.5
(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	434,811			

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

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Training</b>						
Business Process Improvements	0	0.0	0	0.1	0	(0.1)
Total Direct Resources	0	0.0	0	0.1	0	(0.1)
<b>Grand Total Nuclear Reactor Safety</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.1</b>	<b>0</b>	<b>(0.1)</b>
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: FUEL FACILITIES</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Event Response</b>						
Response Operations	30	2.0	30	2.0	0	0.0
<b>Licensing</b>						
Licensing Actions	950	16.0	756	14.0	194	2.0
Policy Outreach	0	1.0	0	1.0	0	0.0
Security	150	2.0	50	3.0	100	(1.0)
<b>Oversight</b>						
Allegations & Investigations	0	1.0	0	1.0	0	0.0
Enforcement	10	3.0	10	3.0	0	0.0
Inspection	0	18.0	0	19.5	0	(1.5)
IT Infrastructure	387	0.0	0	0.0	387	0.0
Mission IT	9	0.0	9	0.0	0	0.0
Security	0	4.0	100	5.0	(100)	(1.0)
<b>Rulemaking (PL)</b>						
Rulemaking	0	1.0	0	3.0	0	(2.0)
<b>Training</b>						
Mission Training	205	0.0	201	0.0	4	0.0
Mission IT	10	0.0	0	0.0	10	0.0
Organizational Development	6	0.0	0	0.0	6	0.0
Entry Level Hiring	0	1.0	0	0.0	0	1.0
Total Direct Resources	1,757.0	49.0	1,156	51.5	601	(2.5)
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Oversight</b>						
Inspection	5	0.0	6	0.0	(1)	0.0
<b>State Tribal and Federal Programs</b>						
Liaison	0	0.4	0	0.4	0	0.0
<b>Training</b>						
Mission Training	0	0.2	54	0.2	(54)	0.0
Total Direct Resources	5.0	0.6	59.7	0.6	(55)	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Training</b>						
Mission Training	0	0.0	12	0.0	(12)	0.0
<b>Oversight</b>						
Inspection	0	0.0	0	0.0	0	0.0
Total Direct Resources	0.0	0.0	12.0	0.0	(12)	0.0
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	<b>1,762.0</b>	<b>49.6</b>	<b>1,227.7</b>	<b>52.1</b>	<b>534</b>	<b>(2.5)</b>
<b>TOTAL FUEL FACILITY</b>	<b>1,762.0</b>	<b>49.6</b>	<b>1,228</b>	<b>52.2</b>	<b>534</b>	<b>(2.6)</b>
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	23,329		23,228		\$100	

**FUEL FACILITY ANNUAL FEES  
FY 2021**

<b>Part 171 Amount</b>	\$17,571,341
Less Billing Adjustment	-371,510
Less Recission Adjustment	0
<b>TOTAL</b>	<u>\$17,199,831</u>

	<u>SAFETY</u>	<u>SAFEGUARDS</u>	<u>TOTAL</u>	<u>LLW</u>	<u>TOTAL ANNUAL FEE</u>
<b>Allocation of Part 171 Amount to Safety/Safeguards</b>	\$9,363,222	\$7,836,610	\$17,199,831	\$332,747	\$17,532,579

		<u>EFFORT FACTORS</u>						
		<u>NUMBER OF LICENSES</u>	<u>Safety</u>		<u>Safeguards</u>		<u>Total</u>	
<u>FEE CATEGORY</u>				%		%		%
1A(1)(a)	SSNM (HEU)	2	88	47.8%	91	59.1%	179	53.0%
1A(1)(b)	SNM (LEU)	3	70	38.0%	21	13.6%	91	26.9%
1A(2)(a)	LIMITED OPS (Paducah)	1	3	1.6%	17	11.0%	20	5.9%
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	8.7%	23	14.9%	39	11.5%
2A(1)	UF6 (Honeywell)	1	7	3.8%	2	1.3%	9	2.7%
<b>TOTAL</b>		<u>8</u>	<u>184</u>	100.0%	<u>154</u>	100%	<u>338</u>	100%
			54.4%		45.6%			

<u>ALLOCATION to CATEGORY</u>			(1)	(2)	(3)	(4)	(5)	FY 2021
<u>Fee Category</u>							TOTAL ANNUAL FEE PER LICENSE	Annual Fee Rounded
1A(1)(a)	SSNM (HEU)	2	\$4,478,063	\$4,630,724	\$9,108,786	\$176,218	\$4,642,502	<b>\$4,643,000</b>
1A(1)(b)	SNM (LEU)	3	3,562,095	1,068,629	4,630,724	\$89,586	\$1,573,437	<b>\$1,573,000</b>
1A(2)(a)	LIMITED OPS OTHERS (Gas	1	152,661	865,080	1,017,742	\$19,689	\$1,037,431	<b>\$1,037,000</b>
1A(2)(b)	centrifuge enrichment demonstration)	0	0	0	0	\$0	\$0	<b>\$0</b>
1A(2)(c)	OTHERS (hot cell facility)	0	0	0	0	\$0	\$0	<b>\$0</b>
1E	ENRICHMENT	1	814,193	1,170,403	1,984,596	\$38,394	\$2,022,990	<b>\$2,023,000</b>
2A(1)	UF6 (Honeywell)	1	356,210	101,774	457,984	\$8,860	\$466,844	<b>\$467,000</b>
		<u>8</u>	<u>\$9,363,222</u>	<u>\$7,836,610</u>	<u>\$17,199,831</u>	<u>\$332,747</u>		

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

Col 3 = Col 1 + Col 2

Col 4 = Low Level Waste surcharge x percent of total effort factor

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

**NRC FUEL CYCLE FACILITIES  
FY 2021 ANNUAL FEES - EFFORT FACTOR MATRIX**

CATEGORY	LICENSEE	DOCKET	FEE CATEGORY	PROCESSES																				SUBTOTALS		TOTAL
				SOLID		ENRICHMENT		LIQUID		HEU DOWN		CONVERSION		ROD/		SCRAP/		HOT CELL		SENSITIVE		S	SG			
				UF6/METAL		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
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	-	-	-
Limited Operations	Centrus ACP (SNM-2011)*	70-07004	1A(2)(a)	1	1	1	5	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	10	3	17	20
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 operation  
Annual fee pending Operational Readiness Review inspection.

S = Safety  
SG = Safeguards

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

TOTALS 184 154 338

- Notes:
- Centrus ACP is licensed, but not operating. Expect to issue amendment authorizing higher enrichment June 2021. Expect operational readiness review inspection June-July 2021.
  - Centrus effort factors less than LES because it is a much smaller enrichment facility processing a much smaller amount of material. In addition, there will be no liquid sampling.
  - Global Laser Enrichment license was terminated January 5, 2021 and therefore removed from the Matrix. New owners possess classified information under Docket 07007033.
  - International Isotopes is licensed, but not proceeding with construction.
  - Honeywell effort factors for Liquid UF6 reduced to zero while in idle status.
  - Limited Operations at Centrus produce a small amount of enriched UF6 for customers.
  - Enrichment Demonstration facility produced enriched UF6 and then downblended back to natural UF6. No enriched product shipped to a customer.

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)

**Fuel Facilities Business Line (CBJ)**

Product Lines	Contract \$	FTE
Event Response	30.0	2.0
Generic Homeland Security	2,099.0	3.0
International Activities	0.0	7.0
Licensing	1,100.0	19.0
Oversight	406.0	26.0
Rulemaking	0.0	1.0
Mission Support/Supervisors	0.0	14.0
State/Tribal/Federal Programs	0.0	0.0
Training	268.0	1.0
Travel	763.0	0.0
	<b>\$ 4,666.0</b>	<b>73.0</b>

FTE rate \$200,200 times 73 FTEs  
(includes Salaries & Benefits only)

**\$ 14,614.6**

Total Business Line Budget (BL)

**\$ 4,666.0                      \$ 14,614.6 =                      \$ 19,280.6**

**Fuel Facilities Fee Class (Proposed Fee Rule)**

**Deductions from BL resources**

Generic Homeland Security <sup>1</sup>	(2,099.0)	(3.0)
International Activities <sup>1</sup>	0.0	(7.0)
Licensing <sup>3</sup>	0.0	0.0
Oversight <sup>3</sup>	-	0.0
Mission Support/Supervisors <sup>2</sup>	0.0	(14.0)
Training <sup>3</sup>	(47.0)	0.0
Travel <sup>2</sup>	(763.0)	0.0
	<b>(\$2,909.0)</b>	<b>(24.0)</b>

**Increases from Other BL resources**

Oversight <sup>4</sup>	5.0	0.0
State/Tribal/Federal Programs <sup>4</sup>	0.0	0.4
Training <sup>4</sup>	0.0	0.2
	<b>\$5.0</b>	<b>0.6</b>

BL resources w/ fee rule allocations

**\$ 1,762.0                      49.6**

FTE fully costed rate \$434,811 times 49.6 FTEs  
(includes Salaries, Benefits, indirect resources & agency support )

**\$ 21,566.6**

Total Fee Class Budget

**\$ 1,762.0                      \$ 21,566.6 =                      \$ 23,328.60**

**Variances    \$ (2,904.0)                      (23.4)    \$ 6,952.0                      \$ 4,048.0**

**Notes:**

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

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

# Part 171 Annual Fees

## Uranium Recovery Facilities

### Section II.B.2.d

Table XI  
Table XII  
Table XIII  
Table XIV

The total FY 2021 budgeted cost to be recovered through annual fees assessed to the uranium recovery class [which includes 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 \$164,000 (rounded).

Of the required annual fee collections, \$117,000 is assessed to DOE's Uranium Mill Tailings Radiation Control Act (UMTRCA) under fee category 18.B. The remaining \$47,200 (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 2021 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		URANIUM RECOVERY ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	78,023.0	1,700.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	24,584.0	441.0	25.0	1.0
CORPORATE	156,722.0	588.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,621.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	260,950.0	2,787.0	25.0	1.0
<b>Figures below in \$, M (unless otherwise indicated)</b>				
(1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				0.460
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				0.289
(3) PART 171 ALLOCATIONS (equals 1 - 2)				0.171
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				0.2
(6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				0.5
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				0.06%
(8) LLW Surcharge				0.0
(9) LLW Surcharge per licensee				
(10) Part 171 billing adjustments				0.0
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3)				0.00
(12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11)				0.16
(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	434,811			

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

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Licensing</b>						
Decommissioning Licensing Actions	0	0.8	0	0.8	0	0.0
Uranium Recovery Envir. Reviews	0	0.0	4	0.1	(4)	(0.1)
Uranium Recovery Lic. Actions	0	0.0	40	0.2	(40)	(0.2)
<b>Oversight</b>						
Inspection	0	0.1	0	0.1	0	0.0
<b>Mission Training</b>						
Training	25	0.0	78	0.0	(53)	0.0
<b>Total Direct Resources</b>	<b>25</b>	<b>0.9</b>	<b>122</b>	<b>1.2</b>	<b>(97)</b>	<b>(0.3)</b>
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Training</b>						
Entry Level Hiring	0	0.1	0	0.0	0	0.1
<b>Total Direct Resources</b>	<b>0</b>	<b>0.1</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.1</b>
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	<b>25.0</b>	<b>1.0</b>	<b>122</b>	<b>1.2</b>	<b>(97)</b>	<b>(0.2)</b>
<b>TOTAL URANIUM RECOVERY</b>	<b>25.0</b>	<b>1.0</b>	<b>122</b>	<b>1.2</b>	<b>(97)</b>	<b>(0.2)</b>
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$460		\$628		(\$168)	

**URANIUM RECOVERY ANNUAL FEES**

**FY 2021**

	<b>TOTAL</b>
TOTAL ANNUAL FEE AMOUNT :	\$163,943
TOTAL ADJUSTMENT:	<b>0</b>
TOTAL:	\$163,943

**GROUP 1  
Calculation of DOE Annual Fee**

<u>Fee Category</u>	<u>contract \$</u>	<u>FTE</u>	<u>FTE Rate</u>	<u>Less: Part 170 Receipts</u>	<u>Total Fee</u>
18.B. DOE UMRCA Budgeted Costs:	\$0	0.80	\$434,811	-\$236,313	\$111,536
10% x (Total Annual Fee Amount less UMRCA)					\$5,241
				Total:	\$116,777
				DOE's Annual Fee Rounded:	\$117,000

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

	FY 2021
	<b>Total</b>
	<b>Fee</b>
Remaining Annual Fee Amount:	\$47,166
	Total:
	\$47,166

CALCULATION OF ANNUAL FEE AMOUNTS BY CATEGORY:

Type of Site	Fee Category	Number of Licenses	Category Benefit	Total Benefit Value	Percent	Total base annual fee	Annual Fee Per License			FY 2021 Annual Fee Rounded
							Base	Adjustments	Total	
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%	\$47,166	\$47,166	\$0	\$47,166	\$47,200
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
<b>TOTAL</b>		<b>1</b>	<b>190</b>	<b>190</b>	<b>100%</b>	<b>\$47,166</b>				

- 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 Adjustment Amount/Col. 1
- Col. 8= Col. 6 + Col. 7

<b>URANIUM RECOVERY MATRIX OF REGULATORY BENEFIT BY CATEGORY OF LICENSEE</b>												
includes facilities in <b>operational status</b> (even if in standby), excludes possession only licensees												
TO DETERMINE ANNUAL FEES FOR FY21 FEE RULE												
<b>TYPE OF OPERATING ACTIVITY</b>												
			Operations			Waste Operations			Groundwater Protection			
			weight =			weight =			weight =			
			10			5			10			
Type of Site	Fee Category	No. of Licensees	Benefit	Total Score (=benefit score * weight)	Benefit	Total Score (=benefit score * weight)	Benefit	Total Score (=benefit score * weight)	Total Score, all activities	Total Score, all Licensees per category	Percent total Annual Fee, per Licensee	
Conventional and Heap Leach Mills	2(A)2a	0	0	0	0	0	0	0	0	0	0%	0.0000
Basic In Situ Recovery Facilities	2(A)2b	1	9	90	2	10	9	90	190	190	100%	1.0000
Expanded In Situ Recovery Facilities	2(A)2c	0	0	0	0	0	0	0	0	0	0%	0.0000
In-situ Recovery Resin Facilities	2(A)2d	0	0	0	0	0	0	0	0	0	0%	0.0000
Resin Toll Milling Facilities	2(A)2e	0	0	0	0	0	0	0	0	0	0%	0.0000
Facilities for Disposal of 11e(2) Materials	2(A)3	0	0	0	0	0	0	0	0	0	0%	0.0000
Disposal Incident to Operation at Licensed Facilities	2(A)4	0	0	0	0	0	0	0	0	0	0%	0.0000
<b>Grand Total</b>										190		1.0000
Level of Regulatory Benefit- Scale of 0 to 10 (examples)			Benefit factors under "Operations", "Waste Operations", and "Groundwater Protection" reflect the regulatory benefit to each licensee in the fee category from generic uranium recovery program activities.									
None	0											
Minor	2											
Some	5											
Significant	10											

**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	3.0
Licensing	2,451.0	39.0
Oversight	50.0	17.0
Research	610.0	1.0
Rulemaking	50.0	7.0
Mission Support/Supervisors	0.0	13.0
State/Tribal/Federal Programs	0.0	0.0
Training	440.0	2.0
Travel	816.0	0.0
<b>Total</b>	<b>\$ 4,492.0</b>	<b>82.0</b>

FTE rate \$208,800 times 82 FTEs  
(includes Salaries & Benefits only)

\$ 17,121.6

Total Business Line Budget (BL)

\$ 4,492.0

\$ 17,121.6 =

\$ 21,613.6

**Uranium Recovery Fee Class (Proposed Fee Rule)**

**Deductions from BL resources**

Event Response <sup>3</sup>	0.0	0.0
Generic Homeland Security <sup>1</sup>	0.0	0.0
International Activities <sup>2,3</sup>	(75.0)	(3.0)
Licensing <sup>3</sup>	(2,451.0)	(38.2)
Oversight <sup>3</sup>	(50.0)	(16.9)
Mission Support/Supervisors <sup>2</sup>	0.0	(13.0)
Research <sup>3</sup>	(610.0)	(1.0)
Rulemaking <sup>3</sup>	(50.0)	(7.0)
State/Tribal/Federal Programs <sup>3</sup>	0.0	0.0
Training <sup>3</sup>	(415.0)	(1.9)
Travel <sup>2</sup>	(816.0)	0.0
<b>Total</b>	<b>(\$4,467.0)</b>	<b>(81.0)</b>

**Increases from Other resources**

International Activities <sup>4</sup>	0.0	0.0
State/Tribal/Federal Programs <sup>4</sup>	0.0	0.0
Oversight <sup>4</sup>	0.0	0.0
Training <sup>4</sup>	0.0	0.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>

BL resources w/ fee rule allocations

\$ 25.0

1.0

FTE fully costed rate \$434,811 times 1 FTEs (includes Salaries, Benefits, indirect resources& agency support )

\$ 434.8

Total Fee Class Budget

\$ 25.0

\$ 434.8 =

\$ 459.80

**Variances**

\$ (4,467.0)

(81.0)

\$ (16,686.8)

\$ (21,153.8)

**Notes:**

Deductions include: Exclusion Items <sup>1</sup>, Indirect resources <sup>2</sup> and resources allocated to other fee classes/fee relief categories <sup>3</sup>

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

# **Part 171 Annual Fees**

## **Non-Power Production or Utilization Facilities**

### **Section II.B.2.e**

#### **Table XV**

Approximately \$320,000 in budgeted costs is to be recovered through annual fees assessed to the non-power production or utilization facilities (NPUF) class of licenses for FY 2021. This required annual fee recovery amount is divided equally among the four NPUF licensees subject to annual fees, and results in a FY 2021 annual fee of \$80,000 for each licensee.

FY 2021 MISSION DIRECT BUDGETED RESOURCES				NON POWER PRODUCTION OR UTILIZATION FACILITIES ALLOCATIONS	
		TOTAL			
		CONTRACT		CONTRACT	
		\$,K	FTE	\$,K	FTE
		-----	-----	-----	-----
NUCLEAR REACTOR SAFETY		78,023.0	1,700.0	26.0	6.6
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)		24,584.0	441.0	1.0	0.0
CORPORATE		156,722.0	588.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)		1,621.0	58.0		
SUBTOTAL - FEE BASE RESOURCE		260,950.0	2,787.0	27.0	6.6
<b>Figures below in \$, M (unless otherwise indicated)</b>					
<b>(1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)</b>					2.897
<b>(2) LESS ESTIMATED PART 170 FEE COLLECTIONS</b>					2.576
<b>(3) PART 171 ALLOCATIONS (equals 1 - 2)</b>					0.321
<b>(4) GENERIC TRANSPORTATION RESOURCES (allocated)</b>					0.043
<b>(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)</b>					0.364
<b>(6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)</b>					2.940
<b>(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)</b>					0.41%
<b>(8) LLW Surcharge</b>					0.000
<b>(9) LLW Surcharge per licensee</b>					
<b>(10) Part 171 billing adjustments</b>					-0.044
<b>(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3)</b>					0.000
<b>(12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11)</b>					0.320141
<b>(13) Number of Licensees</b>					4
<b>(14) Fee Per License (equals 12/13)</b>					0.0800
<b>unrounded annual fee amount per license, actual \$</b>					80,035
<b>rounded annual fee, actual \$</b>					80,000
<b>FTE FULLY COSTED RATE (average based on budget data, actual \$):</b> See Determination of Hourly Rate for calculations		434,811			

**Mission Direct Budgeted Resources for  
Non-Power Production or Utilization Facilities Fee Class**

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Licensing</b>						
Research & Test Reactors	21.0	4.6	43.0	8.1	(22.0)	(3.5)
<b>Oversight</b>						
Inspection	0.0	1.8	0.0	0.4	0.0	1.4
<b>Rulemaking</b>						
Rulemaking (PL)	0.0	0.2	0.0	0.0	0.0	0.2
<b>Training</b>						
Mission Training	5.0	0.0	24.0	0.0	(19.0)	0.0
Total Direct Resources	26.0	6.6	67.0	8.5	(41.0)	(1.9)
<b>Grand Total Nuclear Reactor Safety</b>	26.0	6.6	67.0	8.5	(41.0)	(1.9)
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Oversight</b>						
Inspection	1.0	0.0	0.5	0.0	0.5	0.0
Total Direct Resources	1.0	0.0	0.5	0.0	0.5	0.0
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	1.0	0.0	0.5	0.0	0.5	0.0
<b>TOTAL NON POWER PRODUCTION OR UTILIZATION FACILITY</b>	27.0	6.6	67.5	8.5	(40.5)	(1.9)
Total value of budgeted resources for fee class (mission direct FTE x full cost of FTE + mission direct contract \$)	2,896.8		3,650.0		(753.3)	

NON POWER PRODUCTION OR UTILIZATION FACILITIES (NPUF)

FY 2021 FEE RULE

DETERMINATION OF THE FY 2021 ANNUAL FEE:

NON POWER PRODUCTION OR UTILIZATION FACILITIES 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 \$320,141

ANNUAL FEE PER LICENSE (rounded) \$80,000  
(Budgeted costs divided by number of NPUF licensees subject to annual fee)

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. NPUF Fee Class**  
(Dollars in thousands)

**Operating Reactor Business  
Line (CBJ)**  
Contract \$      FTE

Product Lines	Contract \$	FTE
Event Response	6,555.0	45.0
Generic Homeland Security	0.0	8.0
International Activities	0.0	18.0
Licensing	7,180.0	378.0
Oversight	18,068.0	497.0
Rulemaking	400.0	33.0
Research	30,193.0	121.0
Mission Support/Supervisors	2,365.0	324.0
State/Tribal/Federal Programs	0.0	0.0
Training	4,117.0	46.0
Travel	12,901.0	0.0
<b>Total</b>	<b>\$ 81,779.0</b>	<b>1,470.0</b>

FTE rate \$198,000 times 1470 FTEs (includes Salaries & Benefits only) \$ 291,060.0

Total Business Line Budget (BL) \$ 81,779.0      \$ 291,060.0 =      \$ 372,839.0

**Non Power Production or  
Utilization Facilities Fee Class  
(Proposed Fee Rule)**

**Deductions from BL resources**

Event Response <sup>3</sup>	(6,555.0)	\$ (45.0)
Generic Homeland Security <sup>1</sup>	-	(8.0)
International Activities <sup>1</sup>	-	(18.0)
Licensing <sup>3</sup>	(7,159.0)	(373.4)
Oversight <sup>3</sup>	(18,068.0)	(495.2)
Research <sup>1</sup>	(30,193.0)	(121.0)
Rulemaking <sup>3</sup>	(400.0)	(32.8)
Mission Support/Supervisors <sup>2</sup>	(2,365.0)	(324.0)
Training <sup>3</sup>	(4,112.0)	(46.0)
Travel <sup>2</sup>	(12,901.0)	0.0
<b>Total</b>	<b>(\$81,753.0)</b>	<b>(1,463.4)</b>

**Increases from Other resources**

Oversight <sup>4</sup>	1.0	0.0
Rulemaking <sup>4</sup>	0.0	0.0
State/Tribal/Federal Programs <sup>4</sup>	0.0	0.0
Training <sup>4</sup>	0.0	0.0
<b>Total</b>	<b>\$1.0</b>	<b>0.0</b>

BL resources w/ fee rule allocations \$ 27.0      6.6

FTE fully costed rate \$434,811 times 6.6 FTEs (includes Salaries, Benefits, indirect resources & agency support ) \$ 2,869.8

Total Fee Class Budget \$ 27.0      \$ 2,869.8 =      \$ 2,896.80

**Variances** \$ (81,752.0)      (1,463)      \$(288,190.2)      \$ (369,942.2)

Notes:

Deductions include: Exclusion Items <sup>1</sup>, Indirect resources <sup>2</sup>, resources allocated to other fee classes/fee relief categories <sup>3</sup>

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

# **Part 171 Annual Fees**

## **Rare Earth Facilities**

### **Section II.B.2.f**

During FY 2016 NRC did receive an application under the Rare Earth fee class 2.A. (2)(f). However, no FY 2021 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 2021 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		RARE EARTH ALLOCATIONS	
	CONTRACT	FTE	CONTRACT	FTE
	\$,K		\$,K	
NUCLEAR REACTOR SAFETY	78,023.0	1,700.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	24,584.0	441.0	0.0	0.0
CORPORATE	156,722.0	588.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,621.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	260,950.0	2,787.0	0.0	0.0
<b>Figures below in \$, M (unless otherwise indicated)</b>				
(1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				0.00000
(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 2021 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) LLW Surcharge				0.000
(9) LLW Surcharge per licensee				
(10) Part 171 billing adjustments				0.00
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3)				0.00
(12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11)				0.0000
(13) Number of Licensees				different for different categories of licenses; see other worksheets
(14) Fee Per License (equals 12/13)				
unrounded annual fee amount per license, actual \$				
rounded annual fee, actual \$				
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	434,811			

Mission Direct Budgeted Resources for Rare Earth Fee Class

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: NEW REACTORS</b>						
<i>PRODUCT LINE/ PRODUCTS:</i>						
Total Direct Resources	0	0.0	0	0.0	0	0.0
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
Total Direct Resources	0	0.0	0	0.0	0	0.0
<b>Grand Total Nuclear Reactor Safety</b>	0	0.0	0	0.0	0	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: FUEL FACILITIES</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
Total Direct Resources	0	0.0	0	0.0	0	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
Total Direct Resources	0	0.0	0	0.0	0	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Licensing</b>						
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
<b>Oversight</b>						
Inspection	0	0.0	0	0.0	0	0.0
<b>Mission Training</b>						
Training	0	0.0	0	0.0	0	0.0
Total Direct Resources	0	0.0	0	0.0	0	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
Total Direct Resources	0	0.0	0	0.0	0	0.0
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	0	0.0	0	0.0	0	0.0
<b>TOTAL RARE EARTH</b>	0	0.0	0	0.0	0	0.0
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$0		\$0.0		\$0	

# Part 171 Annual Fees

## Materials Users

### Section II.B.2.g

#### Table XVI

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

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

To equitably and fairly allocate the \$35.3 million in FY 2021 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 2021 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		MATERIALS ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	78,023.0	1,700.0	26.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	24,584.0	441.0	722.1	79.1
CORPORATE	156,722.0	588.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,621.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	260,950.0	2,787.0	748.1	79.1
<b>Figures below in \$, M (unless otherwise indicated)</b>				
(1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				35.1
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				1.0
(3) PART 171 ALLOCATIONS (equals 1 - 2)				34.1
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				1.5
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				35.6
(6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				36.7
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				4.04%
(8) LLW Surcharge				0.1
(9) LLW Surcharge per licensee				
(10) Part 171 billing adjustments				-0.4
(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3)				0.000
(12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11)				35.3
(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	434,811			

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

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Training</b>						
Business Process Improvements	0	0.0	0	0.1	0	(0.1)
Mission Training	26	0.0	25	0.0	1	0.0
Total Direct Resources	26.0	0.0	25	0.1	1	(0.1)
<b>Grand Total Nuclear Reactor Safety</b>	26.0	0.0	25	0.1	1	(0.1)
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: FUEL FACILITIES</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Training</b>						
Mission Training	0	0.0	30	0.0	(30)	0.0
Total Direct Resources	0	0.0	30	0.0	(30)	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Event Response</b>						
Response Operations	0	0.3	0	0.3	0	0.0
Response Programs	0	2.0	0	2.0	0	0.0
<b>Licensing</b>						
EDO Operations	0	0.5	0	0.5	0	0.0
Licensing Actions	7	29.7	7	29.7	0	0.0
Licensing Support	45	0.0	0	0.0	45	0.0
Mission IT	24	0.0	149	0.0	(125)	0.0
NSDPD Training	0	1.0	0	1.0	0	0.0
Security	0	1.0	0	1.0	0	0.0
<b>Oversight</b>						
Allegations & Investigations	0.0	8.7	0	9.6	0	(0.9)
Enforcement	41.1	12.3	41	11.6	0	0.7
Event Evaluation	140.0	2.0	49	1.9	91	0.1
Inspection	1.0	17.6	1	17.8	(0)	(0.2)
<b>Research</b>						
Materials Research	0	0.3	0	0.3	0	0.0
<b>Rulemaking</b>						
Mission IT	275	0.0	0	0.0	275	0.0
Rulemaking	0	1.9	0	2.2	0	(0.3)
Rulemaking Support	0	0.3	0	0.3	0	0.0
<b>Training</b>						
Entry Level Hiring	0	1.0	0	0.0	0	1.0
Mission Training	175	0.5	147	0.5	28	0.0
Organizational Development	14	0.0	2	0.0	12	0.0
Total Direct Resources	722.1	79.1	396.5	78.7	325.6	0.4
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Mission Training</b>						
Training	0	0.0	49	0.0	(49)	0.0
Total Direct Resources	0	0.0	49	0.0	(49)	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Mission Training</b>						
Training	0	0.0	10	0.0	(10)	0.0
Total Direct Resources	0	0.0	10	0.0	(10)	0.0
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	722.1	79.1	486	78.7	237	0.4
<b>TOTAL MATERIAL USERS</b>	748.1	79.1	511	78.8	238	0.3
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$35,142		\$33,722		\$1,419	





**ANNUAL FEE CALCULATION FOR AGREEMENT STATE USE ONLY**

**FY 2021  
Annual Fee  
(Rounded)**

License Fee Category	Part 170 Fees(\$)			Calc. of General	Calc. of Insp.	Part 171 Base Fee Per License (\$)					Total Exact Annual			
	Appl.	Insp.	Prior.			Multiple	Multiple	General	Inspection	Base Fee per license		Adjustment per License		
												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 0.99	Inspection multiplier*(insp fee/insp priority)insp. multiplier of 1.43	(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	22,900	6,200	3	24,967	2,067	24,970	2,949	27,919	207	0	28,126	28,126	<b>28,100</b>
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**Reconciliation of Nuclear Materials Users  
Business Line vs. Fee Class**  
(Dollars in thousands)

**Nuclear Material User  
Business Line (CBJ)**

Product Lines	Contract \$	FTE
Event Response	0.0	3.0
Generic Homeland Security	4,758.0	14.0
International Activities	5,329.0	12.0
Licensing	653.0	43.0
Oversight	1,842.0	46.0
Research	0.0	2.0
Rulemaking	292.0	10.0
Mission Support/Supervisors	357.0	44.0
State/Tribal/Federal Programs	262.0	23.0
Training	915.0	4.0
Travel	2,390.0	0.0
	<u>\$ 16,798.0</u>	<u>201.0</u>

FTE rate \$192,500 times 201 FTEs  
(includes Salaries & Benefits only)

\$ 38,692.5

Total Business Line Budget (BL) \$ 16,798.0 \$ 38,692.5 = \$ 55,490.5

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

**Deductions from BL resources**

Event Response <sup>3</sup>	-	(0.7)
Generic Homeland Security <sup>1</sup>	(4,758.0)	(14.0)
International Activities <sup>1</sup>	(5,329.0)	(12.0)
Licensing <sup>3</sup>	(577.0)	(10.5)
Oversight <sup>3</sup>	(1,659.9)	(5.4)
Mission Support/Supervisors <sup>2</sup>	(357.0)	(44.0)
Research <sup>3</sup>	-	(2.0)
Rulemaking <sup>3</sup>	(37.0)	(7.8)
State/Tribal/Federal Programs <sup>3</sup>	(262.0)	(23.0)
Training <sup>3</sup>	(706.0)	(2.5)
Travel <sup>2</sup>	(2,390.0)	0.0
	<u>(\$16,075.9)</u>	<u>(121.9)</u>

**Increases from Other BL resources**

State/Tribal/Federal Programs <sup>4</sup>	0.0	0.0
Training <sup>4</sup>	26.0	0.0
	<u>26.0</u>	<u>0.0</u>

BL resources w/ fee rule allocations \$ 748.1 79.1

FTE fully costed rate \$434,811 times 79.1 FTEs  
(includes Salaries, Benefits, indirect resources & agency support )

\$ 34,393.6

Total Fee Class Budget \$ 748.1 \$ 34,393.6 = \$ 35,141.70

**Variances** \$ (16,049.9) (121.9) \$ (4,298.9) \$ (20,348.8)

Notes:

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

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

# Part 171 Annual Fees

## Transportation

### Section II.B.2.h

#### Table XVII

#### Table XVIII

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

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

FY 2021 MISSION DIRECT BUDGETED RESOURCES				
	TOTAL		TRANSPORTATION ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$.K	FTE	\$.K	FTE
NUCLEAR REACTOR SAFETY	78,023.0	1,700.0	1.2	0.1
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	24,584.0	441.0	1,245.0	16.0
CORPORATE	156,722.0	588.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,621.0	58.0		
SUBTOTAL - FEE BASE RESOURCE	260,950.0	2,787.0	1,246.2	16.1
<b>Figures below in \$, M (unless otherwise indicated)</b>				
<b>(1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)</b>				8.2
<b>(2) LESS ESTIMATED PART 170 FEE COLLECTIONS</b>				2.3
<b>(3) PART 171 ALLOCATIONS (equals 1 - 2)</b>				5.9
<b>(4) GENERIC TRANSPORTATION RESOURCES (allocated)</b>				-4.5
<b>(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)</b>				1.4
<b>(6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)</b>				3.7
<b>(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)</b>				0.52%
<b>(8) LLW Surcharge</b>				0.0
<b>(9) LLW Surcharge per licensee</b>				
<b>(10) Part 171 billing adjustments</b>				-0.1
<b>(11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3)</b>				0.0
<b>(12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11)</b>				1.4
<b>(13) Number of Licensees</b>				1
<b>(14) Fee Per License (equals 12/13)</b>				1.354110
				(DOE's fee)
<b>unrounded annual fee amount per license, actual \$</b>				1,354,110
<b>rounded annual fee, actual \$</b>				1,354,000
<b>FTE FULLY COSTED RATE (average based on budget data, actual \$):</b>				
See Determination of Hourly Rate for calculations				
	434,811			

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

	FY21		FY20		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Oversight</b>						
Business Process Improvements	0	0.0	0	0.1	0	(0.1)
Enforcement	1	0.1	1	0.1	0	0.0
Total Direct Resources	1	0.1	1	0.2	0	(0.1)
<b>Grand Total Nuclear Reactor Safety</b>	1.2	0.1	1	0.2	0	(0.1)
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Oversight</b>						
Enforcement	1	0.0	1	0.0	0	0.0
Mission IT	0	0.0	13	0.0	(13)	0.0
<b>State Tribal and Federal Programs</b>						
Liaison	0	0.4	0	0.4	0	0.0
<b>Training</b>						
Mission Training	0	0.2	16	0.2	(16)	0.0
Organizational Development	0	0.0	2	0.0	(2)	0.0
Total Direct Resources	1	0.6	32	0.6	(31)	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION</b>						
<i>PRODUCT LINE/PRODUCTS:</i>						
<b>Licensing</b>						
IT Infrastructure	182	0.0	0	0.0	182	
Licensing Support	0	1.6	0	2.0	0	(0.4)
Mission IT	135	0.0	92	0.0	43	0.0
Policy Outreach	0	0.0	0	0.5	0	
Transportation Certification	880	10.7	0	10.7	880	0.0
<b>Oversight</b>						
Security	0	0.2	0	0.0	0	0.2
Inspection	0	1.5	0	1.0	0	0.5
<b>Rulemaking</b>						
Rulemaking (PL)	0	1.2	0	1.2	0	0.0
<b>Training</b>						
Organizational Development	2	0.0	0	0.0	2	0.0
Entry Level Hiring	0	0.2	0	0.0	0	0.2
Mission Training	45	0.0	37	0.0	8	0.0
NSPDP Training	0	0.0	0	0.5	0	(0.5)
Total Direct Resources	1,244	15.4	129	15.9	1,115	(0.5)
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	1,245.0	16.0	161	16.5	1,084	(0.5)
<b>TOTAL TRANSPORTATION</b>	1,246.2	16.1	162	16.7	1,084	(0.6)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$8,247		\$7,201		\$1,046	

## TRANSPORTATION ANNUAL FEES

FY 2021

The total transportation budgeted costs of \$5,949,660 to be recovered from annual fees (not including fee-relief adjustments) is to be obtained from two sources:

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

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

Fee Class	# CoCs	% CoCs	Transportation Resources to be included in annual fees	Resources in Millions
DOE	21.00	23.7%	\$1,409,472	\$1.4
Operating Reactors	5.00	5.6%	\$335,589	\$0.3
Spent fuel/reactor decom	16.00	18.0%	\$1,073,883	\$1.1
T&R reactors	0.65	0.7%	\$43,302	\$0.0
Fuel Facilities	23.00	25.9%	\$1,543,707	\$1.5
Materials Users	23.00	25.9%	\$1,543,707	\$1.5
Total	88.65	100.0%	\$5,949,660	\$5.9

# FY 2021 fee rule

03/17/2021

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	5.4%
Spent Fuel/Rx Decommissioning				16					16	17.2%
Non-power Rx			2	3					5	5.4%
Fuel facilities			23						23	24.7%
Materials users	5	18							23	24.7%
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	22.6%
CoC totals	7	18	31	22	1	4	1	9	93	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	1.0
Licensing	3,814.0	61.0
Oversight	0.0	13.0
Research	1,877.0	4.0
Rulemaking	0.0	6.0
Mission Support/Supervisors	0.0	15.0
State/Tribal/Federal Programs	0.0	0.0
Training	308.0	2.0
Travel	643.0	0.0
	<u>\$ 6,642.0</u>	<u>102.0</u>

FTE rate \$210,300 times 1021 FTEs  
(includes Salaries & Benefits only)

\$ 21,450.6

Total Business Line Budget (BL)

\$ 6,642.0

\$ 21,450.6 =

\$ 26,446.6

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

**Deductions from BL resources**

Event Response <sup>3</sup>	0.0	0.0
Generic Homeland Security <sup>1</sup>	0.0	0.0
International Activities <sup>1</sup>	0.0	(1.0)
Licensing <sup>3,5</sup>	(2,620.0)	(48.7)
Oversight <sup>3</sup>	0.0	(11.3)
Mission Support/Supervisors <sup>2</sup>	0.0	(15.0)
Research <sup>3</sup>	(1,877.0)	(4.0)
Rulemaking <sup>3</sup>	0.0	(4.8)
State/Tribal/Federal Programs <sup>3</sup>	0.0	0.0
Training <sup>3</sup>	(258.0)	(1.8)
Travel <sup>2</sup>	(643.0)	0.0
	<u>(\$5,398.0)</u>	<u>(86.6)</u>

**Increases from Other resources**

International Activities <sup>4</sup>	0.0	0.0
State/Tribal/Federal Programs <sup>4</sup>	0.0	0.4
Oversight <sup>4</sup>	2.2	0.1
Training <sup>4</sup>	0.0	0.2
	<u>2.2</u>	<u>0.7</u>

BL resources w/ fee rule allocations

\$ 1,246.2

16.1

FTE fully costed rate \$434,811 times 16.1 FTEs

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

\$ 7,002.5

Total Fee Class Budget

\$ 1,246.2

\$ 7,002.5 =

\$ 8,248.70

**Variances**

\$ (5,395.8)

(85.9)

\$ (14,448.1)

\$ (18,197.9)

**Notes:**

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

Increases include: resources allocated from other Business Lines<sup>4</sup>  
(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 2021 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 2021 annual fees assessed under 10 CFR part 171. The NRC has established two tiers of annual fees for those materials licensees who qualify as small entities under the NRC’s size standards.

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

	1D	2B	2C	2E	2F	3A	3B	3C	3E	3G	3H	3I	3J	3K	3M	3N	3O	3P	3S
2018 small entities	6	1	3	0	5	0	8	10	0	0	5	9	1	0	9	15	29	227	1
2019 small entities	6	1	2	2	2	0	10	11	0	0	9	9	2	0	13	12	30	232	3
2019 Total # of L	43	10	18	1	39	3	32	37	59	7	33	69	6	3	85	61	74	992	18
	13.95%	10.00%	11.11%	200.00%	5.13%	0.00%	31.25%	29.73%	0.00%	0.00%	27.27%	13.04%	33.33%	0.00%	15.29%	19.67%	40.54%	23.39%	16.67%
2018 Fee	\$7,500	\$3,200	\$5,200	\$7,400	\$9,200	\$30,700	\$11,400	\$11,500	\$11,000	\$91,000	\$11,100	\$15,500	\$4,300	\$3,100	\$13,300	\$17,600	\$25,000	\$8,600	\$30,200
2019 Fee	\$7,300	\$3,100	\$7,900	\$7,400	\$9,300	\$28,600	\$11,600	\$10,800	\$11,900	\$88,000	\$10,900	\$17,600	\$4,200	\$3,100	\$14,900	\$18,600	\$30,200	\$10,000	\$31,000

Implementing this method in FY 2021 resulted in a 9 percent and 11% increase from the previous year small entity.

Prior Year 21% ceilin Increase Rounded Fee

Top \$ 4,500 21% \$400 \$4,900

Lower \$ 900 21% 100 \$1,000

4B	4C	5A	7A	7C	9A	9C	Total	Weighted Average	2-year Weighted Average	39% of 2-year weight	Rounde Prior Year
5	1	4	1	157	16	11	524				
3	1	4	0	166	22	12	552				
14	1	25	12	809	73	26	2550				
21.43%	100.00%	16.00%	0.00%	20.52%	30.14%	46.15%	21.65%				
\$18,900	\$10,800	\$14,900	\$16,500	\$13,900	\$7,300	\$7,000		\$0			
\$18,400	\$10,500	\$14,600	\$26,100	\$15,300	\$14,300	\$7,000		\$0	\$0	\$0	\$4,900 4500 9%
									\$0.00	\$1,000	900 11%

# **Budget Authority (FY 2021)**

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\***

<b>Business Line</b>	<b>License Fee Class</b>
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 2021)**

## **FY 2021 Budget Summary by Program**

This report is provided as supplemental information. It provides a summary of the FY 2021 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 2021 MISSION DIRECT BUDGETED RESOURCES	TOTAL		POWER REACTORS ALLOCATIONS		SPENT FUEL STORAGE/ REACTOR DECOMM. ALLOCATIONS		NON POWER PRODUCTION OR UTILIZATION FACILITIES 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	78,023.0	1,700.0	59,371.4	1,268.9	1.4	0.5	26.0	6.6	0.0	0.0	26.0	0.0	1.2	0.1
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	24,584.0	441.0	91.0	1.4	4,628.0	86.0	1.0	0.0	1,762.0	49.6	722.1	79.1	1,245.0	16.0
CORPORATE	156,722.0	588.0	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)	1,621.0	58.0												
SUBTOTAL - FEE BASE RESOURCE	260,950.0	2,787.0	59,462.4	1,270.3	4,629.4	86.5	27.0	6.6	1,762.0	49.6	748.1	79.1	1,246.2	16.1

FY 2021 MISSION DIRECT BUDGETED RESOURCES	INCLUDED IN															
	TOTAL		URANIUM RECOVERY ALLOCATIONS		RARE EARTH ALLOCATIONS		IMPORT/EXPORT ALLOCATIONS		INCLUDED IN FEE-RELIEF ACTIVITIES		PROFESSIONAL HOURLY & FTE RATE (overhead)		NONPROFIT ED. EXEMPTION		INTERNATIONAL 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	78,023.0	1,700.0	0.0	0.0	0.0	0.0	0.0	0.0	626.0	52.9	17,971.0	371.0	302.0	15.9	116.0	21.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	24,584.0	441.0	25.0	1.0	0.0	0.0	0.0	0.0	11,740.9	114.4	4,269.0	86.0	19.9	4.8	5,404.0	23.0
CORPORATE	156,722.0	588.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156,722.0	588.0	0.0	0.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,621.0	58.0									1,621.0	58.0				
SUBTOTAL - FEE BASE RESOURCE	260,950.0	2,787.0	25.0	1.0	0.0	0.0	0.0	0.0	12,366.9	167.3	180,583.0	1,103.0	321.9	20.7	5,520.0	44.0

FY 2021 MISSION DIRECT BUDGETED RESOURCES			AGREEMENT		AGREEMENT		ISL RULE/		GENERIC		MILITARY RADIUM		PUBLIC RADIUM					
			STATE		STATE		GEN LICENSEES/		DECOMMISS/		226		226					
	TOTAL		OVERSIGHT		REG SUPPORT		FELLOWSHIPS		RECLAMATION						GENERIC LLW			
	CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT	
\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE	
NUCLEAR REACTOR SAFETY	78,023.0	1,700.0	37.0	0.2	12.0	0.0	159.0	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	24,584.0	441.0	1,269.0	20.8	2,793.0	21.8	239.0	7.8	2,016.0	33.6	0.0	2.2	0.0	0.4	100.0	7.5		
CORPORATE	156,722.0	588.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
INSPECTOR GENERAL(no DNSFB)	1,621.0	58.0																
SUBTOTAL - FEE BASE RESOURCE	260,950.0	2,787.0	1,306.0	21.0	2,805.0	21.8	398.0	23.6	2,016.0	33.6	0.0	2.2	0.0	0.4	100.0	7.5		