

**FY 2022  
PROPOSED  
FEE RULE  
WORK PAPERS**

# **FY 2022 Proposed Fee Rule Work Papers**

The supporting information to the FY 2022 Proposed Fee Rule is contained in the following work papers. The items identified in the Table of Contents are located behind a corresponding Tab. At the beginning of each Tab is a cross reference, if appropriate, to the location of the subject matter and Tables found within the Proposed Fee Rule Document. For example, a reference to **“Section II.”** is the supporting information for: **Section II. FY 2021 Fee Collection A. Amendments to 10 CFR Part 170 1. Professional Hourly Rate.**

The complete outline of the FY 2022 Proposed Fee Rule showing the Section and Table titles is located immediately following the Table of Contents.

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# Budget and Fee Recovery

## Section III

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### Table II

The NRC is issuing this FY 2022 proposed fee rule based on the requested Congressional Budget Justification (CBJ) (NUREG–1100, Volume 37) because a full-year appropriation has not yet been enacted for FY 2022. The proposed fee rule reflects a total budget authority in the amount of \$887.7 million, an increase of \$43.3 million from FY 2021. 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 2022 CBJ, these exclusions total \$131.0 million, consisting of \$91.5 million for fee-relief activities; \$23.1 million for advanced reactor regulatory infrastructure activities; \$14.3 million for generic homeland security activities; \$1.0 million for waste incidental to reprocessing activities; and \$1.1 million for Inspector General services for the Defense Nuclear Facilities Safety Board.

Based on the 100 percent fee-recovery requirement, the NRC will have to recover approximately \$756.7 million in FY 2022 through Part 170 licensing and inspection fees and Part 171 annual fees. The amount required by law to be recovered through fees for FY 2022 would be \$35.3 million more than the amount estimated for recovery in FY 2021, an increase of 4.9 percent.

The FY 2022 fee recovery amount is decreased by \$4.5 million to account for billing adjustments (i.e., for FY 2022 invoices that the NRC estimates will not be paid during the fiscal year, less payments received in FY 2022 for prior year invoices). This leaves approximately \$752.2 million to be billed as fees in FY 2022 through Part 170 licensing and inspection fees and Part 171 annual fees.

The NRC estimates that \$188.9 million would be recovered from Part 170 fees in FY 2022. This represents a decrease of \$1.6 million or approximately 0.9 percent as compared to the estimated Part 170 collections of \$190.6 million for FY 2021. The remaining \$563.3 million would be recovered through the Part 171 annual fees in FY 2022, which is an increase of \$45.8 million when compared to estimated Part 171 collections of \$517.4 million for FY 2021.

See Tab “Budget Authority (FY 2022)” for supplemental information on the distribution of budgeted FTE and contract dollars.

Budget and Fee Recovery  
FY 2022  
(\$ in Millions)  
(Individual dollar amounts may not add to totals due to rounding)

	<b>FY 2022</b>
NRC Budget Authority	<u>\$887.7</u>
Less Budget Authority for Excluded Activities	<u>-\$131.0</u>
Balance	\$756.7
Fee Recovery Rate for FY 2022	<u>x      100</u>
Total Amount to be Recovered For FY 2022	\$756.7
Amount to be Recovered Through Fees and Other Receipts	\$756.7
Estimated amount to be recovered through Part 170 fees and other receipts	<u>-\$188.9</u>
Estimated amount to be recovered through Part 171 annual fees	\$567.8
Part 171 billing adjustments	-\$4.5
Adjusted Part 171 annual fee collections required	<u>\$563.3</u>

## Congressional Budget Justification FY 2022

Dollars in millions \$

	Enacted Budget
<u>Total Budget Authority for Salaries &amp; Expenses and Office of the Inspector General:</u>	
Budget Authority	\$887,700
Less: Revenue from services and collections to be Recovered	\$756,700
Net Budget Appropriation	<u>\$131,000</u>

Excluded from Budget Authority Activities:

Generic Homeland Security	\$14,313
Advanced Reactors Regulatory Infrastructure	\$23,049
Waste Incidental to Reprocessing	\$995
Nuclear Waste Fund	\$0
Defense Nuclear Facilities Safety Board	\$1,146
*Fee Relief Activities Fully Costed	<u>\$91,497</u>

Net Budget Appropriation	\$131,000
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\*Fee Relief Activities

International Activities	\$25,523
Agreement States Oversight	\$11,138
Medical Isotope Production Infrastructure	\$3,729
Costs not recovered from Small Entities	\$7,401
Regulatory Support to Agreement States	\$12,116
Fee Exemption for Non Profit Educational Institutions	\$11,596
Generic Decommissioning/ Reclamation	\$15,854
Uranium Recovery Program & Unregistered General Licensees	\$2,999
Potential Department of Defense remediation program	\$878
Non-Military Radium Sites	<u>\$263</u>

Fee Relief Activities @ fully costed rate	\$91,497
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# **Part 170 Fees**

## **Section III.A**

# **Part 170 Fees**

## **Determination of Professional Hourly Rate**

### **Section III.A.1**

#### **Table III**

**Proposed Professional Hourly Rate is \$291**

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 2021) to determine if the annual direct hours worked per direct FTE estimate requires updating for the FY 2022 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).

$$\begin{array}{rclclcl} \text{Total hours in mission business lines} & & & & & & \\ \hline \text{Total hours in mission business lines} & \times & \text{Total work hours in a} & = & \text{Productive Hours Assumption} \\ & & \text{year (2,087)} & & \\ & & + \text{"Other Hours"} & & \\ \\ 2,482,568 & \times & \text{Total work hours in a} & = & \\ \hline 3,427,227 & & \text{year (2,087)} & & 1,510 \end{array}$$

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>	(1) <b>Total FTE</b>	(2) <b>Total S&amp;B(\$,K):</b>	(2)/(1) <b>FTE Rate (\$)</b>
NUCLEAR REACTOR SAFETY	1,720	353,205	205,352
General Fund	63	14,422	228,925
NUCLEAR MATERIAL SAFETY (Less Excl.Fee Items & General Fund)	433	90,191	208,294
Excl. Fee Items & General Fund	20	4,154	207,685
CORPORATE SUPPORT	580	116,541	200,898
Excl. Fee Items & General Fund	-	-	-
INSPECTOR GENERAL	58	11,020	190,000
<b>TOTAL</b>	<b>2,874</b>	<b>589,533</b>	

MISSION DIRECT RESOURCES

(in actual \$)	<b>nonlabor</b>	<b>labor</b>
NUCLEAR REACTOR SAFETY	\$82,524,000	\$277,019,652
NUCLEAR MATERIALS AND WASTE SAFETY	\$22,248,000	\$71,861,277
CORPORATE SUPPORT	\$0	\$0
<b>TOTAL</b>	<b>\$104,772,000</b>	<b>\$348,880,929</b>

PROGRAM SUPPORT (or MISSION  
INDIRECT) RESOURCES

(in actual \$)	<b>nonlabor</b>	<b>labor</b>
NUCLEAR REACTOR SAFETY (BUDGET PROGRAM)	\$17,221,000	\$76,185,538
NUCLEAR MATERIALS AND WASTE SAFETY (BUDGET PROGRAM)	\$3,877,000	\$18,329,833
<b>TOTAL</b>	<b>\$21,098,000</b>	<b>\$94,515,371</b>

AGENCY SUPPORT (CORPORATE  
SUPPORT & IG) RESOURCES

(in actual \$)	<b>nonlabor</b>	<b>labor</b>
<b>TOTAL</b>	<b>\$151,369,700</b>	<b>\$127,561,000</b>

<b>TOTALS</b>	<b>Total (\$)</b>
Direct Labor	\$348,880,929
Direct Nonlabor (excl. from hourly rates)	\$104,772,000
Indirect Program Support Labor	\$94,515,371
Indirect Program Support Nonlabor	\$21,098,000
Agency Support: Corporate & OIG Labor	\$127,561,000
Agency Support: Corporate & OIG NonLabor	\$151,369,700
<b>TOTAL</b>	<b>\$848,197,000</b>

## DETERMINATION OF PROFESSIONAL HOURLY RATE CONTINUED

Total included in professional hourly rates:	% total	value
Mission-Direct Program Salaries & Benefits	46.93%	\$348,880,929
Mission-Indirect Program Support	15.55%	\$115,613,371
Agency Support: Corporate Support w/ Inspector General	37.52%	\$278,930,700
Total	100.00%	<u>\$743,425,000</u>
less offsetting receipts*		\$14,514
Total in professional hourly rate**		\$743,410,486

Mission-Direct FTE	1,694
FTE rate- Full Costed** ('Total in professional hourly rates' divided by 'Mission Direct FTE')	\$438,858
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')	2,557,940
Professional Hourly rate** ('Total in professional hourly rates' divided by 'FTE converted to hours')	\$291

*Calculation of offsetting receipts	Total		value
FOIA	%		
	\$14,514	100%	\$14,514
INDEMNITY	\$0	100%	\$0
TOTAL			<u>\$14,514</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.

	FY22		FY21		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	300	0.0	0	0.0
Mission Travel	1,762	0.0	1,787	0.0	(25)	0.0
<b>Support Staff</b>						
Supervisory Staff	0	27.0	0	29.0	0	(2.0)
Admin Assistants	423	9.0	420	9.0	3	0.0
Non-Supervisory Staff	0	10.0	0	10.0	0	0.0
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
<b>Travel</b>						
International Activities Travel	756	0.0	783	0.0	(27)	0.0
Mission Travel	11,652	0.0	12,118	0.0	(466)	0.0
Recruitment & Staffing	0	8.0	0	0.0	0	8.0
<b>Support Staff</b>						
Supervisory Staff	0	176.0	0	177.0	0	(1.0)
Admin Assistants	1,352	84.0	1,453	81.0	(101)	3.0
Non-Supervisory Staff	976	57.0	1,110	65.0	(134)	(8.0)
<b>Grand Total Nuclear Reactor Safety</b>	17,221	371.0	17,971	371.0	(750)	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: FUEL FACILITIES</b>						
<b>Travel</b>						
International Activities Travel	0	0.0	80	0.0	(80)	0.0
Mission Travel	658	0.0	683	0.0	(25)	0.0
<b>Support Staff</b>						
Supervisory Staff	0	10.0	0	10.0	0	0.0
Admin Assistants	1	2.0	0	2.0	1	0.0
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	0	0.0	79	0.0	(79)	0.0
International Assistance Travel	332	0.0	350	0.0	(18)	0.0
Mission Travel	1,261	0.0	1,261	0.0	0	0.0
<b>Support Staff</b>						
Supervisory Staff	0	25.0	0	24.0	0	1.0
Admin Assistants	344	9.0	268	9.0	76	0.0
Non-Supervisory Staff	89	11.0	89	11.0	0	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE</b>						
<b>Travel</b>						
Mission Travel	720	0.0	736	0.0	(16)	0.0
International Activities Travel	0	0.0	80	0.0	(80)	0.0
<b>Support Staff</b>						
Supervisory Staff	0	10.0	0	10.0	0	0.0
Admin Assistants	1	3.0	0	2.0	1	1.0
Non-Supervisory Staff	0	1.0	0	1.0	0	0.0

	FY22		FY21		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
	-----	-----	-----	-----	-----	-----
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION</b>						
<b>Oversight</b>						
<b>Travel</b>						
Mission Travel	470	0.0	523	0.0	(53)	0.0
International Activities Travel	0	0.0	120	0.0	(120)	0.0
<b>Support Staff</b>						
Supervisory Staff	0	11.0	0	11.0	0	0.0
Admin Assistants	1	2.0	0	2.0	1	0.0
Non-Supervisory Staff	0	2.0	0	2.0	0	0.0
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	3,877	88.0	4,269	86	(392)	2.0
<b>Total Mission Program Indirect Resources</b>	21,098	459.0	22,240	457.0	(1142)	2.0
Total value of Mission Program Indirect Resources (FY 22 \$21,098 contract funding + 459 FTE multiplied by S&B rates)	\$ 21,098	\$ 94,515	\$ 22,042	\$ 90,971	\$ (944)	\$ 3,544



	FY22			FY21		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	1,760	2.1		3,121	2.0	(1,361)	0.1
Commodity Management	0	0.0		0	1.0	0	(1.0)
Procurement Operations	233	40.0		235	40.0	(2)	0.0
Administrative Assistants	0	1.0		68	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	1,323	2.0		1,747	2.0	(424)	0.0
Supervisory Staff	0	9.0		0	9.0	0	0.0
Support Services	4,763	19.0		5,285	20.0	(522)	(1.0)
Administrative Assistants	170	2.0		290	2.0	(120)	0.0
IT Infrastructure	90	1.0		200	1.0	(110)	0.0
Facility Management	5,500	12.0		5,809	12.0	(309)	0.0
Non-Supervisory Staff	15	5.0		30	5.0	(15)	0.0
Physical & Personnel Security	11,375	19.0		12,017	19.0	(642)	0.0
Corporate Travel	30	0.0		30	0.0	0	0.0
Rent & Utilities	33,753	1.0		34,483	1.0	(730)	0.0
<b>Financial Management</b>							
Mission IT	9,041	8.0		11,702	8.0	(2,661)	0.0
Corporate Rulemaking	0	2.0		0	2.0	0	0.0
Supervisory Staff	0	12.0		0	12.0	0	0.0
Budgeting	0	25.0		0	26.0	0	(1.0)
Administrative Assistants	88	2.0		88	2.0	0	0.0
Non-Supervisory Staff	285	2.0		285	2.0	0	0.0
Corporate Travel	19	0.0		19	0.0	0	0.0
Financial Services	2,541	21.0		2,505	22.0	36	(1.0)
Management controls	302	20.0		302	19.0	0	1.0
<b>Human Resource Management</b>							
Mission IT	1,258	4.0		1,010	3.0	248	1.0
Supervisory Staff	0	7.0		0	6.0	0	1.0
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		26	5.0	0	0.0
Recruitment & Staffing	820	15.0		820	16.0	0	(1.0)
Change of Station	6,006	0.0		7,056	0.0	(1,050)	0.0
Work Life Services	2,680	5.0		2,680	5.0	0	0.0
<b>Information Technology</b>							
IM Technologies	7,494	9		7,446	12	48	(3.0)
IT Infrastructure	44,340	55.0		44,231	73.0	109	(18.0)
IT Security	5,377	21.0		5,630	10.0	(253)	11.0
Information Services	2,054	13.0		2,036	28.0	18	(15.0)
Information Security	535	1.0		0	2.0	535	(1.0)
Supervisory Staff	0	17.0		0	16.0	0	1.0
Non-Supervisory Staff	0	5.0		0	5.0	0	0.0
Corporate Travel	48	0.0		48	0.0	0	0.0
Administrative Assistants	350	1.0		361	1.0	(11)	0.0
Content Management	752	5.0		752	1.0	0	4.0
IT Strategic Management	1,033	43.0		695	26.0	338	17.0
<b>Outreach</b>							
Small Business & Civil Rights	645	9.0		645	9.0	0	0.0
Supervisory Staff	0	2.0		0	2.0	0	0.0
Administrative Assistants	0	1.0		0	1.0	0	0.0
Non-Supervisory Staff	0	1.0		0	1.0	0	0.0
Mission IT	39	0.0		39	0.0	0	0.0
Corporate Travel	23	0.0		23	0.0	0	0.0
<b>Policy Support</b>							
Mission IT	697	0.0		698	0.0	(1)	0.0
International Policy Outreach	200	3.0		290	3.0	(90)	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	5.0	0	0.0
EDO Operations	0	8.0		0	8.0	0	0.0
Policy Outreach	1,142	34.0		1,126	34.0	16	0.0

	FY22			FY21		Difference	
	Contract (\$,K)	FTE		Contract (\$,K)	FTE	Contract (\$,K)	FTE
Secretariat	0	16.0		0	16.0	0	0.0
Official Representation	30	0.0		25	0.0	5	0.0
Corporate Rulemaking	0	0.5		0	1.0	0	(0.5)
Supervisory Staff	0	12.5		0	13.0	0	(0.5)
Administrative Assistants	75	15.0		75	16.0	0	(1.0)
Non-Supervisory Staff	66	1.0		63	1.0	3	0.0
Corporate Travel	824	0.0		824	0.0	0	0.0
<b>Training</b>							
Mission IT	118	2.0		115	2.0	3	0.0
Training and Development	834	3.0		1,130	3.0	(296)	0.0
Organizational Development	42	2.0		42	2.0	0	0.0
Supervisory Staff	0	3.0		0	3.0	0	0.0
Administrative Assistants	6	1.0		53	1.0	(47)	0.0
IT Security	125	0.0		100	0.0	25	0.0
Non-Supervisory Staff	0	1.0		0	1.0	0	0.0
Corporate Travel	317	0.0		117	0.0	200	0.0
Total Agency Support (Corporate Support ) Resources	149,594	580.1		156,722	588.0	(7,128)	(7.9)
Total value of Corporate Support Resources ( FY22 \$149,737 contract funding + 580.1 FTE multiplied by S&B rate )	\$ 149,737	\$ 116,541		\$ 156,722	\$ 114,693	(6,985)	1847.7
<b>Office of Inspector General</b>	1,633	58.0		1,621	58.0	12	0.0
Total value of the Office of Inspector General Resources (\$1,632.7 contract funding + 58 FTE multiplied by S&B rate )	\$ 1,633	\$ 11,020		\$ 1,621	\$ 10,672	11.7	348.0
<b>Total Agency Support (Corporate Support and the IG) Resources</b>	\$ 151,370	\$ 127,561		\$ 158,343	\$ 125,365	(6,973)	2195.7

# **Part 170 Fees**

## **Specific Services**

### **Section III.A.2**

Flat application fees are calculated by multiplying the average professional staff hours needed to process the licensing actions by the Proposed professional hourly rate (\$291 for FY 2022). 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 2022**

**FY2022 Professional Hourly Rate  
\$291**

<b>Materials Part 170 Fee</b>			
Category	FY 2022 Estimated Professional Process Time	FY 2022 Fee/Cost (Professional Time x FY 2022 Professional Hourly Rate)	FY 2022 Fee/Cost (Rounded)
	(Hours)*		
<b>1. Special Nuclear Material</b>			
<b>1C. Industrial Gauges</b>			
Inspection Costs**	7.7	\$2,238	\$2,200
New License	4.6	\$1,337	\$1,300
<b>1D. All Other SNM Material, less critical mass</b>			
Inspection Costs**	20.3	\$5,900	\$5,900
New License	9.3	\$2,703	\$2,700
<b>2. Source Material</b>			
<b>2B. Shielding</b>			
Inspection Costs**	10	\$2,906	\$2,900
New License	4.4	\$1,279	\$1,300
<b>2C. Exempt Distribution/SM</b>			
Inspection Costs**	19.4	\$5,638	\$5,600
New License	21.4	\$6,219	\$6,200
<b>2D. General License Distribution</b>			
Inspection Costs**	15.6	\$4,534	\$4,500
New License	9.9	\$2,877	\$2,900
<b>2E. Manufacturing Distribution</b>			
Inspection Costs**	15.6	\$4,534	\$4,500
New License	9.5	\$2,761	\$2,800
<b>2F. All Other Source Material</b>			
Inspection Costs**	32.1	\$9,329	\$9,300
New License	9.5	\$2,761	\$2,800
<b>3. Byproduct Material</b>			
<b>3A. Mfg-Broad Scope</b>			
Inspection Costs**	78.3	\$22,756	\$22,800
New License	46.8	\$13,601	\$13,600
<b>3. Byproduct Material</b>			
<b>3A1. Mfg-Broad Scope</b>			
Inspection Costs**	104.4	\$30,342	\$30,300
New License	62.2	\$18,077	\$18,100
<b>3. Byproduct Material</b>			
<b>3A2. Mfg-Broad Scope</b>			
Inspection Costs**	130.5	\$37,927	\$37,900
New License	77.7	\$22,582	\$22,600

**DETERMINATION OF MATERIALS PART 170 APPLICATION FEES  
and Average Inspection Costs \*\*  
FY 2022**

**FY2022 Professional Hourly Rate  
\$291**

<b>Materials Part 170 Fee</b>			
<b>Category</b>	<b>FY 2022 Estimated Professional Process Time</b>	<b>FY 2022 Fee/Cost (Professional Time x FY 2022 Professional Hourly Rate)</b>	<b>FY 2022 Fee/Cost (Rounded)</b>
<b>3B. Mfg-Other</b>			
Inspection Costs**	32.2	\$9,358	\$9,400
New License	12.9	\$3,749	\$3,700
<b>3B1. Mfg-Other (sites 6-19)</b>			
Inspection Costs**	42.9	\$12,468	\$12,500
New License	17.2	\$4,999	\$5,000
<b>3B2. Mfg-Other (sites 20 or more )</b>			
Inspection Costs**	53.7	\$15,607	\$15,600
New License	21.4	\$6,219	\$6,200
<b>3C. Mfg/Distribution Radiopharmaceuticals</b>			
Inspection Costs**	24.3	\$7,062	\$7,100
New License	18.7	\$5,435	\$5,400
<b>3C1. Mfg/Distribution Radiopharmaceuticals</b>			
Inspection Costs**	32.5	\$9,445	\$9,400
New License	24.9	\$7,237	\$7,200
<b>3C2. Mfg/Distribution Radiopharmaceuticals</b>			
Inspection Costs**	40.6	\$11,800	\$11,800
New License	31.0	\$9,009	\$9,000
<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	\$13,689	\$13,700
New License	11.5	\$3,342	\$3,300
<b>3F. Irradiators &lt; 10,000 Ci</b>			
Inspection Costs**	15.7	\$4,563	\$4,600
New License	23.4	\$6,801	\$6,800
<b>3G. Irradiators =&gt; 10,000 Ci</b>			
Inspection Costs**	22.1	\$6,423	\$6,400
New License	223.2	\$64,868	\$64,900
<b>3H. Exempt Distribution/Device Review</b>			
Inspection Costs**	12.7	\$3,691	\$3,700
New License	23.9	\$6,946	\$6,900
<b>3I. Exempt Distribution/No Device Review</b>			
Inspection Costs**	14.7	\$4,272	\$4,300
New License	53.2	\$15,461	\$15,500
<b>3J. General License Distribution/Device Review</b>			
Inspection Costs**	10.5	\$3,052	\$3,100
New License	7.2	\$2,093	\$2,100

**DETERMINATION OF MATERIALS PART 170 APPLICATION FEES  
and Average Inspection Costs \*\*  
FY 2022**

**FY2022 Professional Hourly Rate  
\$291**

<b>Materials Part 170 Fee</b>			
<b>Category</b>	<b>FY 2022 Estimated Professional Process Time</b>	<b>FY 2022 Fee/Cost (Professional Time x FY 2022 Professional Hourly Rate)</b>	<b>FY 2022 Fee/Cost (Rounded)</b>
<b>3K. General License Distribution/No Device Review</b>			
Inspection Costs**	10.4	\$3,023	\$3,000
New License	4.1	\$1,192	\$1,200
<b>3L. R&amp;D-Broad</b>			
Inspection Costs**	38	\$11,044	\$11,000
New License	19.7	\$5,725	\$5,700
<b>3L1 R&amp;D-Broad</b>			
Inspection Costs**	50.7	\$14,735	\$14,700
New License	26.2	\$7,614	\$7,600
<b>3L2 R&amp;D-Broad</b>			
Inspection Costs**	63.3	\$18,397	\$18,400
New License	32.7	\$9,504	\$9,500
<b>3M. R&amp;D-Other</b>			
Inspection Costs**	32.5	\$9,445	\$9,400
New License	29.8	\$8,661	\$8,700
<b>3N. Service License</b>			
Inspection Costs**	33.1	\$9,620	\$9,600
New License	32	\$9,300	\$9,300
<b>3O. Radiography</b>			
Inspection Costs**	28.5	\$8,283	\$8,300
New License	31.8	\$9,242	\$9,200
<b>3O1. Radiography</b>			
Inspection Costs**	38.0	\$11,044	\$11,000
New License	42.4	\$12,323	\$12,300
<b>3O2. Radiography</b>			
Inspection Costs**	47.5	\$13,805	\$13,800
New License	53.0	\$15,403	\$15,400
<b>3P. All Other Byproduct Material</b>			
Inspection Costs**	23.1	\$6,714	\$6,700
New License	22.8	\$6,626	\$6,600
<b>3P1. All Other Byproduct Material</b>			
Inspection Costs**	30.8	\$8,951	\$9,000
New License	30.4	\$8,835	\$8,800
<b>3P2. All Other Byproduct Material</b>			
Inspection Costs**	38.5	\$11,189	\$11,200
New License	38.0	\$11,044	\$11,000

<b>DETERMINATION OF MATERIALS PART 170 APPLICATION FEES</b> <b>and Average Inspection Costs **</b> <b>FY 2022</b>			
<b>FY2022 Professional Hourly Rate</b> <b>\$291</b>			
<b>Materials Part 170 Fee</b>			
<b>Category</b>	<b>FY 2022 Estimated Professional Process Time</b>	<b>FY 2022 Fee/Cost (Professional Time x FY 2022 Professional Hourly Rate)</b>	<b>FY 2022 Fee/Cost (Rounded)</b>
<b>3R1. Radium-226 (less than or equal to 10x limits in 31.12)</b>			
Inspection Costs**	24.2	\$7,033	\$7,000
New License	9.2	\$2,674	\$2,700
<b>3R2. Radium-226 (more than 10x limits in 31.12)</b>			
Inspection Costs**	16.2	\$4,708	\$4,700
New License	9	\$2,616	\$2,600
<b>3S. Accelerator Produced Radionuclides</b>			
Inspection Costs**	26.2	\$7,614	\$7,600
New License	51.1	\$14,851	\$14,900
<b>4B. Waste Packaging</b>			
Inspection Costs**	23.8	\$6,917	\$6,900
New License	24.9	\$7,237	\$7,200
<b>4C. Waste-Prepackaged</b>			
Inspection Costs**	14.2	\$4,127	\$4,100
New License	18	\$5,231	\$5,200
<b>5. Well Logging</b>			
<b>5A. Well Logging</b>			
Inspection Costs**	33.1	\$9,620	\$9,600
New License	16.5	\$4,795	\$4,800
<b>6. Nuclear Laundries</b>			
<b>6A. Nuclear Laundry</b>			
Inspection Costs**	21.7	\$6,307	\$6,300
New License	79.7	\$23,163	\$23,200
<b>7. Human Use</b>			
<b>7A. Teletherapy</b>			
Inspection Costs**	89.4	\$25,982	\$26,000
New License	40	\$11,625	\$11,600
<b>7. Human Use</b>			
<b>7A1. Teletherapy</b>			
Inspection Costs**	119.2	\$34,643	\$34,600
New License	53.2	\$15,461	\$15,500
<b>7. Human Use</b>			
<b>7A2. Teletherapy</b>			
Inspection Costs**	149.0	\$43,304	\$43,300
New License	66.4	\$19,298	\$19,300

<b>DETERMINATION OF MATERIALS PART 170 APPLICATION FEES</b> <b>and Average Inspection Costs **</b> <b>FY 2022</b>			
<b>FY2022 Professional Hourly Rate</b> <b>\$291</b>			
<b>Materials Part 170 Fee</b>			
<b>Category</b>	<b>FY 2022 Estimated Professional Process Time</b>	<b>FY 2022 Fee/Cost (Professional Time x FY 2022 Professional Hourly Rate)</b>	<b>FY 2022 Fee/Cost (Rounded)</b>
<b>7B. Medical-Broad</b>			
Inspection Costs**	79.6	\$23,134	\$23,100
New License	31.2	\$9,068	\$9,100
<b>7B1. Medical-Broad</b>			
Inspection Costs**	106.1	\$30,836	\$30,800
New License	41.5	\$12,060	\$12,100
<b>7B2. Medical-Broad</b>			
Inspection Costs**	132.7	\$38,566	\$38,600
New License	51.8	\$15,052	\$15,100
<b>7C. Medical-Other</b>			
Inspection Costs**	25.2	\$7,324	\$7,300
New License	37.8	\$10,986	\$11,000
<b>7C1. Medical-Other</b>			
Inspection Costs**	33.6	\$9,765	\$9,800
New License	31.4	\$9,126	\$9,100
<b>7C2. Medical-Other</b>			
Inspection Costs**	41.5	\$12,061	\$12,100
New License	39.2	\$11,393	\$11,400
<b>8. Civil Defense</b>			
<b>8A. Civil Defense</b>			
Inspection Costs**	24.2	\$7,033	\$7,000
New License	9.2	\$2,674	\$2,700
<b>9. Device, product or sealed source evaluation</b>			
<b>9A. Device evaluation-commercial distribution</b>			
Application - each device	62.2	\$18,077	\$18,100
<b>9B. Device evaluation - custom</b>			
Application - each device	32.4	\$9,416	\$9,400
<b>9C. Sealed source evaluation - commercial distribution</b>			
Application - each source	19	\$5,522	\$5,500
<b>9D. Sealed source evaluation - custom</b>			
Application - each source	3.8	\$1,104	\$1,100
<b>10. Transportation</b>			
<b>10B. Evaluation - Part 71 QA program</b>			
Application - approval	15.1	\$4,388	\$4,400



**DETERMINATION OF MATERIALS PART 170 APPLICATION FEES  
and Average Inspection Costs \*\*  
FY 2022**

**FY2022 Professional Hourly Rate  
\$291**

<b>Materials Part 170 Fee</b>			
<b>Category</b>	<b>FY 2022 Estimated Professional Process Time</b>	<b>FY 2022 Fee/Cost (Professional Time x FY 2022 Professional Hourly Rate)</b>	<b>FY 2022 Fee/Cost (Rounded)</b>
<b>17. Master Materials License<sup>1</sup></b>			
Inspection Costs**	504.5	\$146,622	\$146,600
New License	565	\$164,205	\$164,200

**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 III.A.2

Flat application fees are calculated by multiplying the average professional staff hours needed to process the licensing actions by the Proposed professional hourly rate (\$291 for FY 2022). 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:** Based upon the FY 2022 CBJ 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 as of October 1, 2021.

FY 2022 MISSION DIRECT BUDGETED RESOURCES				
			IMPORT/EXPORT	
	TOTAL		ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
	-----	-----	-----	-----
NUCLEAR REACTOR SAFETY	99,745.0	1,720.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	26,125.0	433.0	0.0	0.0
CORPORATE	149,737.0	580.1	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,632.7	58.0		
SUBTOTAL - FEE BASE RESOURCE	277,239.7	2,791.1	0.0	0.0
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2022 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				0.00
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				0.00
(3) PART 171 ALLOCATIONS (equals 1 - 2)				0.00
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				0.00
(6) FY 2022 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				
(9) LLW Surcharge per licensee				
(10) Part 171 billing adjustments				0.00
(11) Adjustments:				0.00
(12) TOTAL FY 2022 ANNUAL FEE (equals 5+8+10+11)				0.00
(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	438,858			

**DETERMINATION OF MATERIALS PART 170 APPLICATION FEES  
and Average Inspection Costs \*\*  
FY 2022**

**FY2022 Professional Hourly Rate  
\$291**

**Materials Part 170 Fee**

<b>Category</b>	<b>FY 2022 Estimated Professional Process Time</b>	<b>FY 2022 Fee/Cost (Professional Time x FY 2022 Professional Hourly Rate)</b>	<b>FY 2022 Fee/Cost (Rounded)</b>
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**DETERMINATION OF EXPORT AND IMPORT PART 170 FEES  
FY 2022**

FY 2022 Professional Hourly Rate = \$291

**Export and Import Part 170 Fees**

<b>Category</b>	<b>FY 2022 Estimated Professional Process Time</b>	<b>FY 2022 Fee/Cost (Professional Time x FY 2022 Professional Hourly Rate)</b>	<b>FY 2022 Fee/Cost (Rounded)</b>
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**(Hours)\***

**10 CFR 170.21, Category K  
Subcategory**

1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0

**10 CFR 170.31, Category 15  
Subcategory**

A	0	0	0
B	0	0	0
C	0	0	0
D	0	0	0
E	0	0	0
F	0	0	0
G	0	0	0
H	0	0	0
I	0	0	0
J	0	0	0
K	0	0	0
L	0	0	0
M	0	0	0
N	0	0	0
O	0	0	0
P	0	0	0
Q	0	0	0
R	0	0	0

**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

\* In accordance with the Commission's substantive fee policy decision for FY 2022, fees will not be assessed for import and exporting licensing activities (see fee categories K.1. through K.5. of § 170.21 and fee categories 15.A. through 15.R. of § 170.31) under this proposed rule.

## **Part 170 Fees**

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

#### **Section III.A.2**

The application fee for Agreement State licensees who conduct activities under the reciprocity provisions of 10 CFR 150.20 is determined using FYs 2015 through 2019 data and the FY 2022 professional hourly rate. The FYs 2015-2019 reciprocity fee data was provided as part of the FY 2021 biennial review of fees.

<b>DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2022</b>																																																															
<b>FY2022 Professional Hourly Rate \$291</b>																																																															
<b>Materials Part 170 Fee</b>																																																															
<b>Category</b>		FY 2022 Estimated Professional Process Time	FY 2022 Fee/Cost (Professional Time x FY 2022 Professional Hourly Rate)																																																												
<b>DETERMINATION OF RECIPROCITY PART 170 FEES FY 2022</b>																																																															
<b>NOTES:</b>																																																															
The reciprocity application and revision fees are determined using FYs 2015-2019 data*, and the FY 2022 professional hourly rate. The reciprocity application fee includes average costs for inspections, average costs for processing initial filings of NRC Form 241, and average costs for processing changes to the initial filings of NRC Form 241.																																																															
<table> <tr> <td colspan="2"><b>FY 2022 Professional Hourly Rate:</b></td><td colspan="2"><b>\$291</b></td></tr> <tr> <td><b>Average inspection costs:</b></td><td></td><td><b>Avg Inspection Costs (Avg. no. of hours for insp. x professional hourly rate)</b></td><td><b>Total Amount</b></td></tr> <tr> <td><b>Reciprocity Part 170 Fee</b></td><td></td><td></td><td></td></tr> <tr> <td><b>Fee Category 16</b></td><td></td><td></td><td></td></tr> </table>				<b>FY 2022 Professional Hourly Rate:</b>		<b>\$291</b>		<b>Average inspection costs:</b>		<b>Avg Inspection Costs (Avg. no. of hours for insp. x professional hourly rate)</b>	<b>Total Amount</b>	<b>Reciprocity Part 170 Fee</b>				<b>Fee Category 16</b>																																															
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<table> <tr> <td colspan="2"><b>Inspection</b></td><td>\$8,300</td><td></td></tr> <tr> <td>Number of Inspections Conducted for FY15-19</td><td>130</td><td></td><td></td></tr> <tr> <td></td><td>0</td><td></td><td></td></tr> <tr> <td>Total</td><td>130</td><td></td><td>\$269,750</td></tr> <tr> <td>Average for the 5 years</td><td>32.5</td><td></td><td></td></tr> <tr> <td colspan="2"><b>Initial 241s</b></td><td>\$700</td><td></td></tr> <tr> <td>Number of Completions for FY15-19</td><td>846</td><td></td><td></td></tr> <tr> <td></td><td>0</td><td></td><td></td></tr> <tr> <td>Total</td><td>846</td><td></td><td>\$148,050</td></tr> <tr> <td>Average for the 5 years</td><td>211.5</td><td></td><td></td></tr> <tr> <td colspan="2"><b>Revised 241s</b></td><td>\$100</td><td></td></tr> <tr> <td>Number of Completions for FY15-19</td><td>6209</td><td></td><td></td></tr> <tr> <td></td><td>0</td><td></td><td></td></tr> <tr> <td>Total</td><td>6209</td><td></td><td>\$155,225</td></tr> <tr> <td>Average for the 5 years</td><td>1552.25</td><td></td><td></td></tr> </table>				<b>Inspection</b>		\$8,300		Number of Inspections Conducted for FY15-19	130				0			Total	130		\$269,750	Average for the 5 years	32.5			<b>Initial 241s</b>		\$700		Number of Completions for FY15-19	846				0			Total	846		\$148,050	Average for the 5 years	211.5			<b>Revised 241s</b>		\$100		Number of Completions for FY15-19	6209				0			Total	6209		\$155,225	Average for the 5 years	1552.25		
<b>Inspection</b>		\$8,300																																																													
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Total	6209		\$155,225																																																												
Average for the 5 years	1552.25																																																														
<table> <tr> <td colspan="2"><b>APPLICATION FEE:</b></td><td></td><td></td></tr> <tr> <td>Amount for inspections [Cost/Initial 241]</td><td></td><td>\$1,275</td><td></td></tr> <tr> <td>Amount for initial filing of NRC Form 241 [Cost/Initial 241]</td><td></td><td>\$700</td><td></td></tr> <tr> <td>for revisions to initial filing of NRC Form 241 [Cost/Initial 241]</td><td></td><td>\$734</td><td></td></tr> <tr> <td>Total Application Fee</td><td></td><td>\$2,709</td><td></td></tr> <tr> <td><b>Application Fee Rounded</b></td><td></td><td><b>\$2,700</b></td><td></td></tr> </table>				<b>APPLICATION FEE:</b>				Amount for inspections [Cost/Initial 241]		\$1,275		Amount for initial filing of NRC Form 241 [Cost/Initial 241]		\$700		for revisions to initial filing of NRC Form 241 [Cost/Initial 241]		\$734		Total Application Fee		\$2,709		<b>Application Fee Rounded</b>		<b>\$2,700</b>																																					
<b>APPLICATION FEE:</b>																																																															
Amount for inspections [Cost/Initial 241]		\$1,275																																																													
Amount for initial filing of NRC Form 241 [Cost/Initial 241]		\$700																																																													
for revisions to initial filing of NRC Form 241 [Cost/Initial 241]		\$734																																																													
Total Application Fee		\$2,709																																																													
<b>Application Fee Rounded</b>		<b>\$2,700</b>																																																													
* data based on FY 2021 Biennial Review																																																															

# **Part 170 Fees**

## **General License Registration Fees**

### **Section III.A.2**

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

DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2022			
FY2022 Professional Hourly Rate \$291			
Materials Part 170 Fee			
Category	FY 2022 Estimated Professional Process Time	FY 2022 Fee/Cost (Professional Time x FY 2022 Professional Hourly Rate)	
DETERMINATION OF GENERAL LICENSE REGISTRATION FEE , FY 2022 (FEE CATEGORY 3Q)			
	<u>Total GL Resources</u>	<u>% Supporting Registrable GLs</u>	<u>Total Supporting Registrable GLs</u>
<u>NMSS GL Program</u>			
budgeted FTE			
	Regions		0.00
	HQ		0.10
budgeted contract \$			
	Regions		\$0
	HQ		\$203,000
full cost of FTE	\$438,858		\$438,858
total budgeted resources, NMSS GL Program (equals full cost of FTE + contract \$)			\$246,886
portion of budgeted resources associated w/fee exempt GLs (nonprofit educational)			\$9,382
net to be recovered			\$237,504
fee assuming 533 registrable GLs			\$445.60
fee, rounded			\$400
Data based on the NRC budget documents and the 10/21 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 2022 actual Part 170 and Part 171 percentage of total collections with the estimated Part 170 and Part 171 percentage of total collections.

### FEES COLLECTED FOR PRIOR YEAR

Fee Class	FY 2021 Actual Part 170-User Fees % of Total Collections for the Fee Class	FY 2021 Actual Part 171-Annual Fees % of Total Collections for the Fee Class	FY 2020 Estimated Part 170-User Fees % of Total Collections for the Fee Class	FY 2020 Estimated Part 171-Annual Fees % of Total Collections for the Fee Class
Fee Relief Activities	100%	0%	100%	0%
Operating Power Ractors	25%	75%	29%	71%
Fuel Facilities	30%	70%	26%	74%
Spent Fuel Storage/Reactor Decommissioning	34%	66%	35%	65%
NonPower Production or Utilization Facilities	86%	14%	98%	2%
Uranium recovery	66%	34%	61%	39%
Materials users	3%	97%	3%	97%
Rare Earth	100%	0%	0%	0%
Transportation	61%	39%	71%	29%
Export and Import Fees	100%	0%	0%	0%
Total	26%	74%	29%	71%

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

# **Part 171 Annual Fees**

## **Section III.B**

# **Part 171 Annual Fees**

## **Application of LLW Surcharge**

### **Section III.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**

	FY22		FY21		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	0.0	0	0.5	0	(0.5)	
<b>Oversight</b>							
LLW Regulation & Oversight	300	5.7	50	5.0	250	0.7	
<b>Rulemaking</b>							
Rulemaking	50	3.2	50	2.0	0	1.2	
Total Direct Resources	350	8.9	100	7.5	250	1.4	
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	350	8.9	100	7.5	250	1.4	
<b>TOTAL GENERIC LOW LEVEL WASTE</b>	350	8.9	100	7.5	250	1.4	
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$4,256		\$3,361		\$895		

## Low-Level Waste Surcharge for FY 2022 Proposed 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 III.B.2.a

#### Table VI

The budgeted costs to be recovered through annual fees to power reactors are divided equally among the 94 power reactors licensed to operate. This results in a FY 2022 annual fee of \$5,165,000 per reactor. Additionally, each power reactor licensed to operate would be assessed the FY 2022 spent fuel storage/reactor decommissioning annual fee of \$254,000. This results in a total FY 2022 annual fee of \$5,419,000 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 2022 for this type of licensee.

OPERATING POWER REACTOR ANNUAL FEE  
FY 2022

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

Westinghouse	47
General Electric	31
Combustion Engineering	11
Babcock & Wilcox	<u>5</u>
TOTAL REACTORS	94

DETERMINATION OF ANNUAL FEE:

TOTAL BUDGETED COSTS FOR OPERATING POWER REACTORS (PRIOR TO PART 170 & OTHER ADJUSTMENTS)	\$645,115,015
ANNUAL FEE PER REACTOR (rounded) (BUDGETED COSTS DIVIDED BY 94 OPERATING POWER REACTORS)	\$ 5,165,000
PLUS SPENT FUEL STORAGE/ REACTOR DECOMMISSIONING ANNUAL FEE	\$254,000
TOTAL ANNUAL FEE PER LICENSE	\$ 5,419,000



FY 2022 MISSION DIRECT BUDGETED RESOURCES					
				POWER REACTORS	
		TOTAL		ALLOCATIONS	
	CONTRACT			CONTRACT	
	\$,K	FTE		\$,K	FTE
NUCLEAR REACTOR SAFETY	99,745.0	1,720.0		81,879.0	1,282.4
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	26,125.0	433.0		6.0	1.0
CORPORATE	149,737.0	580.1		0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,632.7	58.0			
SUBTOTAL - FEE BASE RESOURCE	277,239.7	2,791.1		81,885.0	1,283.4
Figures below in \$, M (unless otherwise indicated)					
(1) FY 2022 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)					645.1
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS					160.0
(3) PART 171 ALLOCATIONS (equals 1 - 2)					485.1
(4) GENERIC TRANSPORTATION RESOURCES (allocated)					0.5
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)					485.6
(6) FY 2022 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)					645.6
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)					85.90%
(8) LLW Surcharge					3.7
(9) LLW Surcharge per licensee					0.040
(10) Part 171 billing adjustments					-3.9
(11) Adjustments:					0.0
(12) TOTAL FY 2022 ANNUAL FEE (equals 5+8+10+11)					485.5
(13) Number of Licensees					94
(14) Fee Per License (equals 12/13)					5.16
unrounded annual fee amount per license, actual \$					5,164,547
rounded annual fee, actual \$					5,165,000
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	438,858				

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

	FY22		FY21		Difference		
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE	
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>							
<b>BUSINESS LINE: NEW REACTORS</b>							
<b>PRODUCT LINE/ PRODUCTS:</b>							
<b>Licensing</b>							
Combined Licenses	830	37.9	456	29.0	374	8.9	
Design Certification	500	24.2	0	1.0	500	23.2	
EDO Operations	0	1.0	0	1.0	0	0.0	
IT Infrastructure	1,409	2.0	1,409	3.0	0	(1.0)	
Licensing Actions	50	11.5	50	18.0	0	(6.5)	
Licensing Support	1,255	22.0	455	22.0	800	0.0	
Mission IT	2,079	3.0	2,644	3.0	(565)	0.0	
Part 50	10	12.2	0	3.0	10	9.2	
Operator Licensing	0	2.5	0	2.0	0	0.5	
Policy Advice & Outreach	0	1.0	0	1.0	0	0.0	
Pre-Application Reviews	650	31.7	0	23.0	650	8.7	
<b>Oversight</b>							
Allegations & Investigations	0	5.9	0	5.9	0	0.0	
Construction Inspection	0	14.0	210	31.0	(210)	(17.0)	
Emergency Preparedness	0	1.0	0	1.0	0	0.0	
Enforcement	16	2.0	6	2.0	10	0.0	
Security	238	3.0	238	3.0	0	0.0	
Vendor Inspection	40	0.0	40	8.0	0	(8.0)	
<b>Research</b>							
New Reactors Research	2,349	7.0	2,545	7.0	(196)	0.0	
<b>Rulemaking (PL)</b>							
Rulemaking	500	6.1	0	7.0	500	(0.9)	
Rulemaking Support	0	0.9	0	1.0	0	(0.1)	
<b>Training</b>							
Mission Training	613	7.0	1,726	7.0	(1,113)	0.0	
Mission IT	65	0.0	63	0.0	2	0.0	
Organizational Development	20	0.0	23	0.0	(3)	0.0	
Entry Level Hiring	0	7.0	0	7.0	0	0.0	
Total Direct Resources	10,624	202.9	9,865	185.9	759	17.0	
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>							
<b>BUSINESS LINE: OPERATING REACTORS</b>							
<b>PRODUCT LINE/PRODUCTS:</b>							
<b>Event Response</b>							
Mission IT/Infrastructure	6,514	15.0	5,376	11.0	1,138	4.0	
Response Operations	125	19.0	125	19.0	0	0.0	
Response Program	0	14.0	0	15.0	0	(1.0)	
<b>Licensing</b>							
EDO Operations	0	4.0	0	3.0	0	1.0	
Emergency Preparedness	0	3.0	0	3.0	0	0.0	
Fukushima NTTF/Japan Lessons Learned	0	0.0	0	3.0	0	(3.0)	
License Renewal	660	52.0	170	52.0	490	0.0	
Licensing Actions	1,531	134.7	1,881	143.5	(350)	(8.8)	
Licensing Support	2,695	91.5	2,665	88.5	30	3.0	
Mission IT	756	0.0	236	0.0	520	0.0	
Operator Licensing	255	40.7	255	38.0	0	2.7	
Policy Outreach	0	3.0	0	3.0	0	0.0	
RIC	800	1.0	263	1.0	537	0.0	
Security	100	13.0	250	11.0	(150)	2.0	
<b>Oversight</b>							
Allegations & Investigations	25	42.4	25	43.9	0	(1.5)	
Emergency Preparedness	0	19.0	0	19.0	0	0.0	
Enforcement	118	16.2	116	15.7	2	0.5	
Event Evaluation	0	28.1	0	30.0	0	(1.9)	
Fukushima NTTF	0	0.0	0	2.0	0	(2.0)	
Inspection	1,097	310.1	1,836	317.0	(739)	(6.9)	
Information Services	1,656	0.0	1,651	0.0	5	0.0	
IT Infrastructure	7,087	2.0	1,429	2.0	5,658	0.0	
Mission IT	9,672	4.0	4,554	3.0	5,118	1.0	
NSPDP Training	0	0.0	0	0.0	0	0.0	
Security	3,519	54.6	3,539	56.0	(20)	(1.4)	
Vendor Inspection	0	9.8	0	2.0	0	7.8	

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

	FY22		FY21		Difference		
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE	
<b>Research</b>							
Aging & Materials Research	5,580	17.0	3,280	18.0	2,300	(1.0)	
Evaluation and Evidence	0	4.0	0	0.0	0	4.0	
Engineering Research	4,120	24.0	2,755	24.0	1,365	0.0	
Generic Issues & Oper. Exp.	0	0.0	0	0.0	0	0.0	
Mission IT	3,125	3.0	2,051	3.0	1,074	0.0	
Reactor Research Support	500	9.0	500	9.0	0	0.0	
Risk Analysis	10,607	48.0	7,788	46.0	2,819	2.0	
Systems Analysis Research	6,250	21.0	4,200	21.0	2,050	0.0	
<b>Rulemaking (PL)</b>							
Rulemaking	100	18.6	100	18.6	0	0.0	
Rulemaking Support	300	13.0	300	14.0	0	(1.0)	
<b>Training</b>							
Entry Level Hiring	0	20.0	0	21.0	0	(1.0)	
Organizational Development	105	0.0	102	0.0	3	0.0	
Mission IT	474	1.0	500	0.0	(26)	1.0	
Mission Training	3,484	23.8	3,559	26.8	(75)	(3.0)	
NSPDP Training	0	0.0	0	0.0	0	0.0	
Total Direct Resources	71,255	1079.5	49,506	1,083.0	21,749	(3.5)	
<b>Grand Total Nuclear Reactor Safety</b>	81,879	1282.4	59,371	1,268.9	22,508	13.5	
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>							
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>							
<i>PRODUCT LINE/PRODUCTS:</i>							
<b>Oversight</b>							
Inspection	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	0	0.2	85	0.2	(85)	0.0	
Total Direct Resources	6	1.0	91	1.0	(85)	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	0.0	0	0.4	0	(0.4)	
<b>Training</b>							
Mission Training	0	0.0	0	0	0	0.0	
Total Direct Resources	0	0.0	0	0.4	0	(0.4)	
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	6.0	1.0	91	1.4	(85)	(0.4)	
<b>TOTAL POWER REACTORS</b>	81,885.0	1,283.4	59,462	1,270.3	22,423	13.1	
Total value of budgeted resources for fee class (mission direct FTE x full cost of FTE + mission direct contract \$)	645,115		611,803		\$33,312		
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.							

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

(Dollars in thousands)

## Product Lines

	Reactor Business Lines (CBJ)	
	Contract \$	FTE
Event Response	6,639.0	48.0
Generic Homeland Security	0.0	7.0
International Activities	110.0	23.0
Licensing	13,970.0	528.0
Oversight	23,470.0	519.0
Rulemaking	900.0	39.0
Research	32,531.0	133.0
Mission Support/Supervisors	2,751.0	371.0
State/Tribal/Federal Programs	0.0	0.0
Training	4,904.0	59.0
Travel	14,470.0	0.0
	<b>\$ 99,745.0</b>	<b>1,727.0</b>

FTE rate \$213,680 times 1474 FTEs

& \$220,570 times 253 FTEs

(includes Salaries & Benefits only)

**\$ 354,637.0**

Total Business Line Budget (BL)

**\$ 99,745.0**

**\$ 354,637.0 = \$ 454,382.0**

## Power Reactor Fee Class (Proposed Fee Rule)

### Deductions from BL resources

Event Response <sup>5</sup>	-	-
Generic Homeland Security <sup>1</sup>	-	(7.0)
International Activities <sup>1</sup>	(110.0)	(23.0)
Licensing <sup>3, 5</sup>	(390.0)	(36.1)
Oversight <sup>3, 5</sup>	(2.0)	(6.9)
Research <sup>5</sup>	-	-
Rulemaking <sup>3</sup>	-	(0.4)
Mission Support/Supervisors <sup>2, 5</sup>	(2,751.0)	(371.0)
Training <sup>3</sup>	(143.0)	(0.2)
Travel <sup>2</sup>	(14,470.0)	0.0
	<b>(\$17,866.0)</b>	<b>(444.6)</b>

### Increases from Other resources

Oversight <sup>4</sup>	6.0	0.0
Rulemaking <sup>4</sup>	0.0	0.0
State/Tribal/Federal Programs <sup>4</sup>	0.0	0.8
Training <sup>4, 5</sup>	0.0	0.2
	<b>\$6.0</b>	<b>1.0</b>

BL resources w/ fee rule allocations

**\$ 81,885.0**

**1,283.4**

FTE fully costed rate \$438,858 times 1,283.4 FTEs

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

**\$ 563,230.4**

Total Fee Class Budget

**\$ 81,885.0**

**\$ 563,230.4 = \$ 645,115.40**

### Variances

**\$ (17,860.0)**

**(444)**

**\$ 208,593.4**

**\$ 190,733.4**

### 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)

## 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	1.2	\$5,250,026
2021	1.4	1.7	2.6	4.2	5.0	5.4	5.4	5.3	5.4	6.2	6.8	7.0	4.7	\$5,496,777
Average	1.6	1.6	1.6	1.8	1.8	1.9	2.0	2.0	2.0	2.2	2.3	2.3	1.9	

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

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

# **Part 171 Annual Fees**

## **Spent Fuel Storage/Reactor Decommissioning**

### **Section III.B.2.b**

#### **Table VII**

For FY 2022, budgeted costs of approximately \$31.3 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 123 licensees, resulting in a FY 2022 annual fee of \$254,000 per licensee.

FY 2022 MISSION DIRECT BUDGETED RESOURCES				
			SPENT FUEL STORAGE/ REACTOR DECOMM.	
		TOTAL	ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	99,745.0	1,720.0	14.0	0.5
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	26,125.0	433.0	5,715.0	78.6
CORPORATE	149,737.0	580.1	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,632.7	58.0		
SUBTOTAL - FEE BASE RESOURCE	277,239.7	2,791.1	5,729.0	79.1
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2022 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				40.4
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				10.3
(3) PART 171 ALLOCATIONS (equals 1 - 2)				30.2
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				1.4
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				31.5
(6) FY 2022 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				41.8
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				5.56%
(8) LLW Surcharge				0.0
(9) LLW Surcharge per licensee				
(10) Part 171 billing adjustments				-0.250
(11) Adjustments:				0.000
(12) TOTAL FY 2022 ANNUAL FEE (equals 5+8+10+11)				31.272
(13) Number of Licensees				123
(14) Fee Per License (equals 12/13)				0.254
unrounded annual fee amount per license, actual \$				254,241
rounded annual fee, actual \$				254,000
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	438,858			

SPENT FUEL STORAGE/REACTOR DECOMMISSIONING  
ANNUAL FEE  
FY 2022

LICENSES SUBJECT TO THE ANNUAL FEE:

Operating Power Reactor Licensees: 94

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

01/26/2022



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 \$31.3 million by the total number of licensees (123). This results in an annual fee (rounded) of \$254,000 per license.

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

	FY22		FY21		Difference		
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE	
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>							
<b>BUSINESS LINE: NEW REACTORS</b>							
<b>PRODUCT LINE/PRODUCTS:</b>							
<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>							
<b>PRODUCT LINE/PRODUCTS:</b>							
<b>Oversight</b>							
Allegations & Investigations	0	0.1	0	0.1	0	0.0	
Enforcement	1	0.1	1	0.1	(0.4)	0.0	
<b>Rulemaking</b>							
Rulemaking (PL)	0	0.2	0	0.2	0	0.0	
<b>Training</b>							
Mission Training	2	0.0	0	0.0	2	0.0	
Mission IT	11	0.0	0	0.0	11	0.0	
Total Direct Resources	14.0	0.4	1	0.4	13	0.0	
<b>Grand Total Nuclear Reactor Safety</b>	14.0	0.5	1.4	0.5	13	0.0	
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>							
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>							
<b>PRODUCT LINE/PRODUCTS:</b>							
<b>Licensing</b>							
EDO Operations	0	0.5	0	0.5	0	0.0	
<b>Oversight</b>							
Enforcement	2	0.8	2	0.4	0	0.4	
Inspection	6	0.0	6	0.0	0	0.0	
<b>Training</b>							
Mission Training	0	0.2	0	0.2	0	0.0	
Total Direct Resources	8.0	1.5	8.0	1.1	0	0.4	
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>							
<b>BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE</b>							
<b>PRODUCT LINE/PRODUCTS:</b>							
<b>Licensing</b>							
Decommissioning Licensing Actions	398	4.9	595	7.5	(197)	(2.6)	
Decommissioning Environmental Reviews	0	0.0	0	0.0	0	0.0	
Mission IT	93	0.0	67	0.0	26	0.0	
IT Infrastructure	358	0.0	167	0.0	191	0.0	
Policy Advice & Outreach	0	0.5	0	0.0	0	0.5	
<b>Oversight</b>							
Inspection	0	7.4	0	6.8	0	0.6	
<b>Training</b>							
Mission Training	184	1.0	157	1.0	27	0.0	
Total Direct Resources	1,033	13.8	986	15.3	47	(1.5)	
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>							
<b>BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION</b>							
<b>PRODUCT LINE/PRODUCTS:</b>							
<b>Licensing</b>							
Environmental Reviews	0	1.0	770	4.0	(770)	(3.0)	
Licensing Actions	10	1.5	30	4.0	(20)	(2.5)	
Licensing Support	0	10.4	100	11.4	(100)	(1.0)	
Mission IT/Infrastructure	533	0.0	310	0.0	223	0.0	
Policy Outreach	0	1.0	0	1.0	0	0.0	
Security	0	3.5	0	3.0	0	0.5	
Storage Licensing	300	21.0	452	25.0	(152)	(4.0)	
<b>Oversight</b>							
Allegations and Investigations	0	0.2	0	0.0	0	0.2	
Enforcement	0	1.0	0	0.0	0	1.0	
Security	0	2.0	0	1.8	0	0.2	
Inspection	0	13.2	0	9.5	0	3.7	

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

	FY22		FY21		Difference		
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE	
	-----	-----	-----	-----	-----	-----	
<b>Research</b>							
Waste Research	3,213	4.0	1,877	4.0	1,336	0.0	
<b>Rulemaking</b>							
Rulemaking (PL)	0	3.0	0	4.0	0	(1.0)	
Rulemaking Support	400	0.5	0	0.4	400	0.1	
<b>Training</b>							
Mission Training	204	0.0	90	0.0	114	0.0	
Organizational Development	14	0.0	5	0.0	9	0.0	
Entry Level Hiring	0	1.0	0	1.5	0	(0.5)	
Total Direct Resources	4,674.0	63.3	3,634	69.6	1,040	(6.3)	
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	5,715.0	78.6	4,628.0	86.0	1,087	(7.4)	
<b>TOTAL SPENT FUEL STORAGE &amp; REACTOR DECOMM.</b>	5,729.0	79.1	4,629	86.5	1,100	(7.4)	
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$40,443		\$42,241		(\$1,798)		

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

**Product Lines**

	Contract \$	FTE
Event Response	0.0	0.0
Generic Homeland Security	0.0	0.0
International Activities	0.0	1.0
Licensing	2,150.0	55.0
Oversight	0.0	18.0
Research	3,213.0	4.0
Rulemaking	400.0	4.0
Mission Support/Supervisors	1.0	15.0
State/Tribal/Federal Programs	0.0	0.0
Training	284.0	2.0
Travel	470.0	0.0
	<b>\$ 6,518.0</b>	<b>99.0</b>

FTE rate \$226,110 times 99 FTEs  
(includes Salaries & Benefits only)

**\$ 21,504.9**

Total Business Line Budget (BL)

**\$ 6,518.0**

**\$ 21,504.9**

=

**\$**

**26,500.9**

**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>	(1,307.0)	(16.6)
Oversight <sup>3</sup>	0.0	(1.6)
Mission Support/Supervisors <sup>2</sup>	(1.0)	(15.0)
Research <sup>3</sup>	0.0	0.0
Rulemaking <sup>3</sup>	0.0	(0.5)
State/Tribal/Federal Programs <sup>3</sup>	0.0	0.0
Training <sup>3</sup>	(66.0)	(1.0)
Travel <sup>2</sup>	(470.0)	0.0
	<b>(\$1,844.0)</b>	<b>(35.7)</b>

**Increases from Other resources**

International Activities <sup>4</sup>	0.0	0.0
Licensing <sup>4, 5</sup>	849.0	5.9
Oversight <sup>4</sup>	9.0	8.5
Rulemaking <sup>4</sup>	0.0	0.2
Training <sup>4</sup>	197.0	1.2
	<b>1055.0</b>	<b>15.8</b>

*BL resources w/ fee rule allocations*

**\$ 5,729.0**

**79.1**

FTE fully costed rate \$438,858 times 79.1 FTEs  
(includes Salaries, Benefits, indirect resources& agency support )

**\$ 34,713.7**

Total Fee Class Budget

**\$ 5,729.0**

**\$ 34,713.7**

=

**\$**

**40,442.70**

**Variances**

**\$ (789.0)**

**(19.9)**

**\$ 13,208.8**

**\$**

**13,941.8**

**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

## Fuel Facilities

Section III.B.2.c

Table VIII

Table IX

Table X

The FY 2022 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 \$16.8 million. This value is based on the full cost of budgeted resources associated with all activities that support this fee class, which is reduced by estimated part 170 collections and adjusted for allocated generic transportation resources, and the low-level waste surcharge.

FY 2022 MISSION DIRECT BUDGETED RESOURCES				
			FUEL FACILITY	
		TOTAL	ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
	-----	-----	-----	-----
NUCLEAR REACTOR SAFETY	99,745.0	1,720.0	14.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	26,125.0	433.0	1,657.0	47.2
CORPORATE	149,737.0	580.1	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,632.7	58.0		
SUBTOTAL - FEE BASE RESOURCE	277,239.7	2,791.1	1,671.0	47.2
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2022 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				22.4
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				7.8
(3) PART 171 ALLOCATIONS (equals 1 - 2)				14.6
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				1.9
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				16.5
(6) FY 2022 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				24.3
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				3.23%
(8) LLW Surcharge				0.4
(9) LLW Surcharge per licensee				
(10) Part 171 billing adjustments				-0.15
(11) Adjustments:				0.000
(12) TOTAL FY 2022 ANNUAL FEE (equals 5+8+10+11)				16.8
(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	438,858			

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

	FY22		FY21		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
PRODUCT LINE/PRODUCTS:						
Training						
Mission IT	14	0.0	0	0.1	14	(0.1)
Total Direct Resources	14	0.0	0	0.1	14	(0.1)
<b>Grand Total Nuclear Reactor Safety</b>	14.0	0.0	0	0.1	14	(0.1)
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: FUEL FACILITIES</b>						
PRODUCT LINE/PRODUCTS:						
Event Response						
Response Operations	30	2.0	30	2.0	0	0.0
Licensing						
Licensing Actions	850	18.3	756	14.0	94	4.3
Policy Outreach	0	0.0	0	1.0	0	(1.0)
Security	0	0.8	50	3.0	(50)	(2.2)
Oversight						
Allegations & Investigations	0	1.0	0	1.0	0	0.0
Enforcement	10	1.8	10	3.0	0	(1.2)
Inspection	0	17.2	0	19.5	0	(2.3)
IT Infrastructure	417	0.0	0	0.0	417	0.0
Mission IT	0	0.0	9	0.0	(9)	0.0
Security	150	4.5	100	5.0	50	(0.5)
Rulemaking (PL)						
Rulemaking	0	0.0	0	1.0	0	(1.0)
Training						
Mission Training	180	0.0	205	0.0	(25)	0.0
Mission IT	10	0.0	10	0.0	0	0.0
Organizational Development	5	0.0	6	0.0	(1)	0.0
Entry Level Hiring	0	1.0	0	1.0	0	0.0
Total Direct Resources	1,652.0	46.6	1,757	49.0	(105)	(2.4)
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
PRODUCT LINE/PRODUCTS:						
Oversight						
Inspection	5	0.0	5	0.0	0	0.0
State Tribal and Federal Programs						
Liaison	0	0.4	0	0.4	0	0.0
Training						
Mission Training	0	0.2	0	0.2	0	0.0
Total Direct Resources	5.0	0.6	5.0	0.6	0	0.0
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	1,657.0	47.2	1,762.0	49.6	(105)	(2.4)
<b>TOTAL FUEL FACILITY</b>	1,671.0	47.2	1,762	49.6	(91)	(2.4)
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	22,385		23,329		(\$944)	

# Reconciliation of Fuel Facilities Business Line vs. Fee Class

(Dollars in thousands)

## Product Lines

	Contract \$	FTE
Event Response	30.0	2.0
Generic Homeland Security	1,900.0	3.0
International Activities	0.0	7.0
Licensing	850.0	19.5
Oversight	577.0	24.5
Rulemaking	0.0	0.0
Mission Support/Supervisors	1.0	14.0
State/Tribal/Federal Programs	0.0	0.0
Training	226.0	1.0
Travel	658.0	0.0
	<u>\$ 4,242.0</u>	<u>71.0</u>

FTE rate \$214,460 times 71 FTEs

(includes Salaries & Benefits only)

\$ 14,791.4

Total Business Line Budget (BL)

\$ 4,242.0 \$ 14,791.4 = \$ 19,457.4

## Fuel Facilities Fee Class (Proposed Fee Rule)

### Deductions from BL resources

Generic Homeland Security <sup>1</sup>	(1,900.0)	(3.0)
International Activities <sup>1</sup>	0.0	(7.0)
Licensing <sup>3</sup>	0.0	(0.4)
Oversight <sup>3</sup>	-	0.0
Mission Support/Supervisors <sup>2</sup>	(1.0)	(14.0)
Training <sup>3</sup>	(31.0)	0.0
Travel <sup>2</sup>	(658.0)	0.0
	<u>(\$2,590.0)</u>	<u>(24.4)</u>

### 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>	14.0	0.2
	<u>\$19.0</u>	<u>0.6</u>

BL resources w/ fee rule allocations

\$ 1,671.0 47.2

FTE fully costed rate \$438,858 times 47.2 FTEs

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

\$ 20,714.1

Total Fee Class Budget

\$ 1,671.0 \$ 20,714.1 = \$ 22,385.10

**Variances** \$ (2,571.0) (23.8) \$ 5,922.7 \$ 2,927.7

## 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)



**FUEL FACILITY ANNUAL FEES  
FY 2022**

<b>Part 171 Amount</b>	\$16,496,517
Less Billing Adjustment	-145,562
Less Recission Adjustment	0
<b>TOTAL</b>	<b>\$16,350,955</b>

	<u><b>SAFETY</b></u>	<u><b>SAFEGUARDS</b></u>	<u><b>TOTAL</b></u>	<u><b>LLW</b></u>	<u><b>TOTAL ANNUAL FEE</b></u>
<b>Allocation of Part 171 Amount to Safety/Safeguards</b>	\$8,901,112	\$7,449,843	\$16,350,955	\$421,328	\$16,772,282

		<u><b>EFFORT FACTORS</b></u>					
		<u><b>NUMBER OF LICENSES</b></u>	<u><b>Safety</b></u>		<u><b>Safeguards</b></u>		<u><b>Total</b></u>
<u><b>FEE CATEGORY</b></u>				%		%	
1A(1)(a)	SSNM (HEU)	2	88	47.8%	91	59.1%	179
1A(1)(b)	SNM (LEU)	3	70	38.0%	21	13.6%	91
1A(2)(a)	LIMITED OPS (Paducah)	1	3	1.6%	17	11.0%	20
1A(2)(b)	OTHERS (Gas centrifuge enrichment demonstration)	0	0	0.0%	0	0.0%	0
1A(2)(c)	OTHERS (hot cell facility)	0	0	0.0%	0	0.0%	0
1E	ENRICHMENT	1	16	8.7%	23	14.9%	39
2A(1)	UF6 (Honeywell)	1	7	3.8%	2	1.3%	9
<b>TOTAL</b>		<b>8</b>	<b>184</b>	<b>100.0%</b>	<b>154</b>	<b>100%</b>	<b>338</b>
		% of total	54.4%		45.6%		

<u><b>ALLOCATION to CATEGORY</b></u>						(5)	
			(1)	(2)	(3)	(4)	TOTAL ANNUAL FEE PER LICENSE
<u><b>Fee Category</b></u>							<b>FY 2022 Annual Fee Rounded</b>
1A(1)(a)	SSNM (HEU)	2	\$4,257,053	\$4,402,180	\$8,659,234	\$223,129	\$4,441,181
1A(1)(b)	SNM (LEU)	3	3,386,292	1,015,888	4,402,180	\$113,434	\$1,505,205
1A(2)(a)	LIMITED OPS	1	145,127	822,385	967,512	\$24,931	\$992,443
1A(2)(b)	OTHERS (Gas centrifuge enrichment demonstration)	0	0	0	0	\$0	\$0
1A(2)(c)	OTHERS (hot cell facility)	0	0	0	0	\$0	\$0
1E	ENRICHMENT	1	774,010	1,112,639	1,886,649	\$48,615	\$1,935,263
2A(1)	UF6 (Honeywell)	1	338,629	96,751	435,380	\$11,219	\$446,599
		<b>8</b>	<b>\$8,901,112</b>	<b>\$7,449,843</b>	<b>\$16,350,955</b>	<b>\$421,328</b>	

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

# **Part 171 Annual Fees**

## **Uranium Recovery Facilities**

### **Section III.B.2.d**

Table XI  
Table XII  
Table XIII  
Table XIV

The total FY 2022 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 \$223,000 (rounded).

Of the required annual fee collections, \$176,000 is assessed to DOE's Uranium Mill Tailings Radiation Control Act (UMTRCA) under fee category 18.B. The remaining \$47,000 (rounded) would be recovered through annual fees assessed to the other licensees in this fee class (i.e., conventional mills, in-situ recovery facilities, 11e.(2) mill tailings disposal facilities (incidental to existing tailings sites.)

FY 2022 MISSION DIRECT BUDGETED RESOURCES				
			URANIUM RECOVERY	
	TOTAL		ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
	-----	-----	-----	-----
NUCLEAR REACTOR SAFETY	99,745.0	1,720.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	26,125.0	433.0	39.4	1.5
CORPORATE	149,737.0	580.1	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,632.7	58.0		
SUBTOTAL - FEE BASE RESOURCE	277,239.7	2,791.1	39.4	1.5
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2022 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				0.698
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				0.471
(3) PART 171 ALLOCATIONS (equals 1 - 2)				0.227
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				0.227
(6) FY 2022 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				0.698
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				0.093%
(8) LLW Surcharge				0.000
(9) LLW Surcharge per licensee				
(10) Part 171 billing adjustments				-0.004
(11) Adjustments:				0.000
(12) TOTAL FY 2022 ANNUAL FEE (equals 5+8+10+11)				0.223
(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	438,858			

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

	FY22		FY21		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	14	0.8	0	0.8	14	0.0
Uranium Recovery Lic. Actions	25	0.5	0	0.0	25	0.5
<b>Oversight</b>						
Inspection	0	0.2	0	0.1	0	0.1
<b>Mission Training</b>						
Training	0	0.0	25	0.0	(25)	0.0
Total Direct Resources	39	1.5	25	0.9	14	0.6
<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	0.0	0	0.1	0	(0.1)
Total Direct Resources	0	0.0	0	0.1	0	(0.1)
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	<b>39.4</b>	<b>1.5</b>	<b>25</b>	<b>1.0</b>	<b>14</b>	<b>0.5</b>
<b>TOTAL URANIUM RECOVERY</b>	<b>39.4</b>	<b>1.5</b>	<b>25</b>	<b>1.0</b>	<b>14</b>	<b>0.5</b>
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$698		\$460		\$238	

# URANIUM RECOVERY ANNUAL FEES

FY 2022

	<b>TOTAL</b>
TOTAL ANNUAL FEE AMOUNT :	\$222,509
TOTAL ADJUSTMENT:	0
TOTAL:	<u>\$222,509</u>

## GROUP 1 Calculation of DOE Annual Fee

Fee Category	contract \$	FTE	FTE Rate	Less: Part 170 Receipts	Total Fee
18.B. DOE UMRCA Budgeted Costs:	\$0	0.80	\$438,858	-\$180,792	\$170,294
10% x (Total Annual Fee Amount less UMRCA)					\$5,222
				Total:	<u>\$175,516</u>
				DOE's Annual Fee Rounded:	\$176,000

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

	FY 2022
	<b>Total</b>
	<b>Fee</b>
Remaining Annual Fee Amount:	<u>\$46,994</u>
Total:	<u>\$46,994</u>

CALCULATION OF ANNUAL FEE AMOUNTS BY CATEGORY:

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Type of Site	Fee Category	Number of Licenses	Category Benefit	Total Benefit Value	Percent	Total base annual fee	Annual Fee Per License			FY 2022 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%	\$46,994	\$46,994	\$0	\$46,994	\$47,000
Expanded In-situ Recovery Facilities	2.A.(2)(c)	0	-	-	0%	\$0	\$0	\$0	\$0	\$0
In-situ Recovery Resin Facilities	2.A.(2)(d)	0	-	-	0%	\$0	N/A	N/A	N/A	N/A
Resin Toll Milling Facilities	2.A.(2)(e)	0	-	-	0%	\$0	N/A	N/A	N/A	N/A
Facilities for Disposal of 11e(2) Materials	2.A.(3)	0	-	-	0%	\$0	N/A	N/A	N/A	N/A
Disposal Incident to Operation at Licensed Facilities	2.A.(4)	0	-	-	0%	\$0	\$0	\$0	\$0	\$0
Uranium Water Treatment Facility	2.A.(5)	0	-	-	0%	\$0	\$0	\$0	\$0	\$0
TOTAL		1	190	190	100%	\$46,994				

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

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

Product Lines	Decommissioning & LLW Business Line (CBJ)	
	Contract \$	FTE
Event Response	0.0	0.0
Generic Homeland Security	0.0	0.0
International Activities	75.0	2.0
Licensing	2,205.0	36.0
Oversight	300.0	19.0
Research	610.0	1.0
Rulemaking	50.0	7.0
Mission Support/Supervisors	1.0	14.0
State/Tribal/Federal Programs	0.0	0.0
Training	425.0	2.0
Travel	720.0	0.0
	<b>\$ 4,386.0</b>	<b>81.0</b>
FTE rate \$222,490 times 81 FTEs (includes Salaries & Benefits only)		<b>\$ 17,475.1</b>
Total Business Line Budget (BL)	<b>\$ 4,386.0</b>	<b>\$ 17,475.1 = \$ 21,861.1</b>

Uranium Recovery Fee Class (Proposed Fee Rule)			
<b>Deductions from BL resources</b>			
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)	(2.0)	
Licensing <sup>3</sup>	(2,165.6)	(34.7)	
Oversight <sup>3</sup>	(300.0)	(18.8)	
Mission Support/Supervisors <sup>2</sup>	(1.0)	(14.0)	
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>	(425.0)	(2.0)	
Travel <sup>2</sup>	(720.0)	0.0	
	<b>(\$4,346.6)</b>	<b>(79.5)</b>	
<b>Increases from Other resources</b>			
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>0.0</b>	<b>0.0</b>	
BL resources w/ fee rule allocations	<b>\$ 39.4</b>	<b>1.5</b>	
FTE fully costed rate \$438,858 times 1.5 FTE (includes Salaries, Benefits, indirect resources& agency support )		<b>\$ 658.3</b>	
Total Fee Class Budget	<b>\$ 39.4</b>	<b>\$ 658.3 = \$ 697.70</b>	
<b>Variances</b>	<b>\$ (4,346.6)</b>	<b>(79.5) \$ (16,816.8) \$ (21,163.4)</b>	

**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 III.B.2.e**

#### **Table XV**

Approximately \$279,000 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 2022. This required annual fee recovery amount is divided equally among the three NPUF licensees subject to annual fees, and results in a FY 2022 annual fee of \$93,000 for each licensee.

FY 2022 MISSION DIRECT BUDGETED RESOURCES				
			NON POWER PRODUCTION OR UTILIZATION FACILITIES	
	TOTAL		ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
	-----	-----	-----	-----
NUCLEAR REACTOR SAFETY	99,745.0	1,720.0	198.0	13.4
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	26,125.0	433.0	1.0	0.0
CORPORATE	149,737.0	580.1	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,632.7	58.0		
SUBTOTAL - FEE BASE RESOURCE	277,239.7	2,791.1	199.0	13.4
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2022 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				6.080
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				5.803
(3) PART 171 ALLOCATIONS (equals 1 - 2)				0.277
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				0.039
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				0.316
(6) FY 2022 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				6.119
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				0.81%
(8) LLW Surcharge				0.000
(9) LLW Surcharge per licensee				
(10) Part 171 billing adjustments				-0.037
(11) Adjustments:				0.000
(12) TOTAL FY 2022 ANNUAL FEE (equals 5+8+10+11)				0.279
(13) Number of Licensees				3
(14) Fee Per License (equals 12/13)				0.093
unrounded annual fee amount per license, actual \$				92,974
rounded annual fee, actual \$				93,000
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	438,858			



## NON POWER PRODUCTION OR UTILIZATION FACILITIES (NPUF)

### FY 2022 FEE RULE

#### DETERMINATION OF THE FY 2022 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. GE, NTR	R-33	50-73
3. NIST	TR-5	50-184

#### DETERMINATION OF ANNUAL FEE

BUDGETED COSTS	\$278,921
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ANNUAL FEE PER LICENSE (rounded) (Budgeted costs divided by number of NPUF licensees subject to annual fee)	\$93,000
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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.

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

	FY22		FY21		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
PRODUCT LINE/PRODUCTS:						
Licensing						
Research & Test Reactors	182.0	12.7	21.0	4.6	161.0	8.1
Oversight						
Inspection	0.0	0.5	0.0	1.8	0.0	(1.3)
Rulemaking						
Rulemaking (PL)	0.0	0.2	0.0	0.2	0.0	0.0
Training						
Mission Training	16.0	0.0	5.0	0.0	11.0	0.0
Total Direct Resources	198.0	13.4	26.0	6.6	172.0	6.8
<b>Grand Total Nuclear Reactor Safety</b>	<b>198.0</b>	<b>13.4</b>	<b>26.0</b>	<b>6.6</b>	<b>172.0</b>	<b>6.8</b>
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
PRODUCT LINE/PRODUCTS:						
Oversight						
Inspection	1.0	0.0	1.0	0.0	0.0	0.0
Total Direct Resources	1.0	0.0	1.0	0.0	0.0	0.0
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	<b>1.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>TOTAL NON POWER PRODUCTION OR UTILIZATION FACILITY</b>	<b>199.0</b>	<b>13.4</b>	<b>27.0</b>	<b>6.6</b>	<b>172.0</b>	<b>6.8</b>
Total value of budgeted resources for fee class (mission direct FTE x full cost of FTE + mission direct contract \$)	6,079.7		2,896.8		3,182.9	

**Reconciliation of Operating Reactor Business  
Line vs. NPUF Fee Class**  
(Dollars in thousands)

Product Lines	Operating Reactor Business Line (CBJ)	
	Contract \$	FTE
Event Response	6,639.0	48.0
Generic Homeland Security	0.0	7.0
International Activities	0.0	19.0
Licensing	7,187.0	379.0
Oversight	23,176.0	493.0
Rulemaking	400.0	32.0
Research	30,182.0	126.0
Mission Support/Supervisors	2,328.0	325.0
State/Tribal/Federal Programs	0.0	0.0
Training	4,206.0	45.0
Travel	12,408.0	0.0
	<u>\$ 86,526.0</u>	<u>1,474.0</u>

FTE rate \$213,680 times 1474 FTEs (includes Salaries & Benefits only) \$ 301,643.4

Total Business Line Budget (BL) \$ 86,526.0 \$ 301,643.4 = \$ 388,169.4

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

**Deductions from BL resources**

Event Response <sup>3</sup>	(6,639.0)	\$ (48.0)
Generic Homeland Security <sup>1</sup>	-	(7.0)
International Activities <sup>1</sup>	-	(19.0)
Licensing <sup>3</sup>	(7,005.0)	(366.3)
Oversight <sup>3</sup>	(23,176.0)	(492.5)
Research <sup>1</sup>	(30,182.0)	(126.0)
Rulemaking <sup>3</sup>	(400.0)	(31.8)
Mission Support/Supervisors <sup>2</sup>	(2,328.0)	(325.0)
Training <sup>3</sup>	(4,190.0)	(45.0)
Travel <sup>2</sup>	(12,408.0)	0.0
	<u>(\$86,328.0)</u>	<u>(1,460.6)</u>

**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
	<u>\$1.0</u>	<u>0.0</u>

BL resources w/ fee rule allocations \$ 199.0 13.4

FTE fully costed rate \$438,858 times 13.4 FTEs \$ 5,880.7  
(includes Salaries, Benefits, indirect resources & agency support )

Total Fee Class Budget \$ 199.0 \$ 5,880.7 = \$ 6,079.70

**Variances** \$ (86,327.0) (1,461) \$(295,762.7) \$ (382,089.7)

**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 III.B.2.f**

During FY 2021 NRC did receive an application under the Rare Earth fee class 2.A. (2)(f). However, only Part 170 FY 2022 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 2022 MISSION DIRECT BUDGETED RESOURCES				
			RARE EARTH ALLOCATIONS	
	TOTAL			
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	99,745.0	1,720.0	0.0	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	26,125.0	433.0	0.0	0.4
CORPORATE	149,737.0	580.1	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,632.7	58.0		
SUBTOTAL - FEE BASE RESOURCE	277,239.7	2,791.1	0.0	0.4
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2022 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				0.176
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				0.176
(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 2022 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				0.176
(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:				0.00
(12) TOTAL FY 2022 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	438,858			

Mission Direct Resources For Rare Earth Fee Class

	FY22			FY21			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	0.4		0	0.0		0	0.4
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	0.4		0	0.0		0	0.4
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	<b>0.0</b>	<b>0.4</b>		<b>0</b>	<b>0.0</b>		<b>0</b>	<b>0.4</b>
<b>TOTAL Rare Earth</b>	<b>0.0</b>	<b>0.4</b>		<b>0</b>	<b>0.0</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 \$)	\$176			\$0			\$176	

# Part 171 Annual Fees

## Materials Users

### Section III.B.2.g

#### Table XVI

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

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

To equitably and fairly allocate the \$35.0 million in FY 2022 budgeted costs to be recovered in annual fees assessed to the approximately 2,400 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 2022 MISSION DIRECT BUDGETED RESOURCES				
			MATERIALS	
		TOTAL	ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE
NUCLEAR REACTOR SAFETY	99,745.0	1,720.0	31.6	0.0
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	26,125.0	433.0	1,194.0	74.9
CORPORATE	149,737.0	580.1	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,632.7	58.0		
SUBTOTAL - FEE BASE RESOURCE	277,239.7	2,791.1	1,225.6	74.9
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2022 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				34.1
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				0.9
(3) PART 171 ALLOCATIONS (equals 1 - 2)				33.2
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				1.8
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				35.0
(6) FY 2022 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				35.9
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				3.80%
(8) LLW Surcharge				0.1
(9) LLW Surcharge per licensee				
(10) Part 171 billing adjustments				-0.17
(11) Adjustments:				0.000
(12) TOTAL FY 2022 ANNUAL FEE (equals 5+8+10+11)				35.0
(13) Number of Licensees				different for different categories of licenses; see other worksheets
(14) Fee Per License (equals 12/13)				
unrounded annual fee amount per license, actual \$				
rounded annual fee, actual \$				
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations		438,858		



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

	FY22		FY21		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
PRODUCT LINE/PRODUCTS:						
Training						
Mission IT	10	0.0	0	0.0	10	0.0
Mission Training	22	0.0	26	0.0	(4)	0.0
Total Direct Resources	31.6	0.0	26	0.0	6	0.0
<b>Grand Total Nuclear Reactor Safety</b>	<b>31.6</b>	<b>0.0</b>	<b>26</b>	<b>0.0</b>	<b>6</b>	<b>0.0</b>
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
PRODUCT LINE/PRODUCTS:						
Event Response						
Response Operations	0	0.3	0	0.3	0	0.0
Response Programs	0	0.3	0	2.0	0	(1.7)
Licensing						
EDO Operations	0	1.5	0	0.5	0	1.0
Licensing Actions	7	30.0	7	29.7	0	0.3
Licensing Support	45	0.0	45	0.0	0	0.0
Mission IT	90	0.0	24	0.0	66	0.0
NSPDP Training	0	0.0	0	1.0	0	(1.0)
Policy Outreach	0	1.0	0	0.0	0	1.0
Security	0	0.5	0	1.0	0	(0.5)
Oversight						
Allegations & Investigations	0.0	8.6	0	8.7	0	(0.1)
Enforcement	44.0	11.6	41	12.3	3	(0.7)
Event Evaluation	140.0	2.0	140	2.0	0	0.0
Inspection	1.0	17.5	1	17.6	0	(0.1)
IT Infrastructure	118.0	0.0	0	0.0	118	0.0
Research						
Materials Research	0	0.0	0	0.3	0	(0.3)
Rulemaking						
Mission IT	255	0.0	275	0.0	(20)	0.0
Rulemaking	0	0.1	0	1.9	0	(1.8)
Rulemaking Support	0		0	0.3	0	(0.3)
Training						
Entry Level Hiring	0	1.0	0	1.0	0	0.0
Mission IT	14	0.0	0	0.0	14	0.0
Mission Training	466	0.5	175	0.5	291	0.0
Organizational Development	14	0.0	14	0.0	0	0.0
Total Direct Resources	1,194.0	74.9	722.1	79.1	471.9	(4.2)
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	<b>1,194.0</b>	<b>74.9</b>	<b>722</b>	<b>79.1</b>	<b>472</b>	<b>(4.2)</b>
<b>TOTAL MATERIAL USERS</b>	<b>1,225.6</b>	<b>74.9</b>	<b>748</b>	<b>79.1</b>	<b>478</b>	<b>(4.2)</b>
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$34,096		\$35,142		(\$1,046)	

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

Product Lines	Nuclear Material User Business Line (CBJ)	
	Contract \$	FTE
Event Response	0.0	3.0
Generic Homeland Security	7,778.0	13.0
International Activities	6,028.0	11.0
Licensing	626.0	42.0
Oversight	1,942.0	46.0
Research	0.0	2.0
Rulemaking	272.0	7.0
Mission Support/Supervisors	433.0	45.0
State/Tribal/Federal Programs	292.0	25.0
Training	993.0	4.0
Travel	2,293.0	0.0
	<u>\$ 20,657.0</u>	<u>198.0</u>
FTE rate \$209,060 times 198 FTEs (includes Salaries & Benefits only)		<u>\$ 39,623.7</u>
Total Business Line Budget (BL)	\$ 20,657.0	\$ 39,623.7 = \$ 60,280.7

Nuclear Material User Fee Class (Proposed Fee Rule)	
<b>Deductions from BL resources</b>	
Event Response <sup>3</sup>	- (2.4)
Generic Homeland Security <sup>1</sup>	(7,778.0) (13.0)
International Activities <sup>1</sup>	(6,028.0) (11.0)
Licensing <sup>3</sup>	(484.0) (9.0)
Oversight <sup>3</sup>	(1,639.0) (6.3)
Mission Support/Supervisors <sup>2</sup>	(433.0) (45.0)
Research <sup>3</sup>	- (2.0)
Rulemaking <sup>3</sup>	(17.0) (6.9)
State/Tribal/Federal Programs <sup>3</sup>	(292.0) (25.0)
Training <sup>3</sup>	(499.0) (2.5)
Travel <sup>2</sup>	(2,293.0) 0.0
	<u>(\$19,463.0) (123.1)</u>
<b>Increases from Other BL resources</b>	
State/Tribal/Federal Programs <sup>4</sup>	0.0 0.0
Training <sup>4</sup>	31.6 0.0
	<u>31.6 0.0</u>
BL resources w/ fee rule allocations	\$ 1,225.6 74.9

FTE fully costed rate \$438,858 times 74.9 FTEs (includes Salaries, Benefits, indirect resources& agency support )		\$ 32,870.5	
Total Fee Class Budget	\$ 1,225.6	\$ 32,870.5 =	\$ 34,096.10
<b>Variances</b>	\$ (19,431.4)	(123.1) \$ (6,753.2)	\$ (26,184.6)

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)



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

**FY 2022  
Annual Fee  
(Rounded)**

License Fee Category	Part 170 Fees(\$)			Calc. of General	Calc. of Insp.	Part 171 Base Fee Per License (\$)						Total	Exact		
	Appl.	Insp.	Prior.			Multiple	Multiple	General	Inspection	Base Fee per license	Adjustment per License			Fee per license	Annual
											LLW Surcharge	Fee-Relief	Total		
<div>(No. of licenses x (Appl fee + insp fee/insp priority))</div> <div>(No. of licenses x insp fee/insp priority)</div> <div>Annual fee multiplier*(Appl fee + insp fee/insp priority) annual fee multiplier of 1.00</div> <div>Inspection multiplier*(insp fee/insp priority)/insp. multiplier of 1.46</div> <div>(General+ Inspection)</div> <div>(Total Materials LLW Surcharge/ no. of affected licenses)</div> <div>(Fee-Relief multiplier x (appl fee+insp fee/insp priority)See below for calculation of fee-relief multi.)</div> <div>(Total Base Fee+ LLW Surcharge + Fee-Relief)</div>															
NUCLEAR LAUNDRY:															
6A. Nuclear Laundry	23,200	6,300	3	25,300	2,100	25,356	3,074	28,430	262	0	28,692	28,692			

# Part 171 Annual Fees

## Transportation

### Section III.B.2.h

#### Table XVII

#### Table XVIII

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

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

FY 2022 MISSION DIRECT BUDGETED RESOURCES				
			TRANSPORTATION	
		TOTAL	ALLOCATIONS	
	CONTRACT		CONTRACT	
	\$.K	FTE	\$.K	FTE
NUCLEAR REACTOR SAFETY	99,745.0	1,720.0	9.0	0.1
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	26,125.0	433.0	1,366.0	20.0
CORPORATE	149,737.0	580.1	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,632.7	58.0		
SUBTOTAL - FEE BASE RESOURCE	277,239.7	2,791.1	1,375.0	20.1
Figures below in \$, M (unless otherwise indicated)				
(1) FY 2022 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below)				10.2
(2) LESS ESTIMATED PART 170 FEE COLLECTIONS				2.8
(3) PART 171 ALLOCATIONS (equals 1 - 2)				7.3
(4) GENERIC TRANSPORTATION RESOURCES (allocated)				-5.7
(5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4)				1.7
(6) FY 2022 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5)				4.5
(7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity)				0.60%
(8) LLW Surcharge				0.0
(9) LLW Surcharge per licensee				
(10) Part 171 billing adjustments				0.0
(11) Adjustments:				0.0
(12) TOTAL FY 2022 ANNUAL FEE (equals 5+8+10+11)				1.7
(13) Number of Licensees				1
(14) Fee Per License (equals 12/13)				1.659349
				(DOE's fee)
unrounded annual fee amount per license, actual \$				1,659,349
rounded annual fee, actual \$				1,659,000
FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations	438,858			

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

	FY22		FY21		Difference	
	Contract (\$,K)	FTE	Contract (\$,K)	FTE	Contract (\$,K)	FTE
<b>PROGRAM: NUCLEAR REACTOR SAFETY</b>						
<b>BUSINESS LINE: OPERATING REACTORS</b>						
PRODUCT LINE/PRODUCTS:						
<b>Oversight</b>						
Enforcement	1	0.1	1	0.1	(0.2)	0.0
<b>Training</b>						
Mission Training	1	0.0	0	0.0	1.0	0.0
Mission IT	7	0.0	0	0.0	7.0	0.0
Total Direct Resources	9	0.1	1	0.1	7.8	0.0
<b>Grand Total Nuclear Reactor Safety</b>	9.0	0.1	1	0.1	7.8	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: NUCLEAR MATERIALS USERS</b>						
PRODUCT LINE/PRODUCTS:						
<b>Oversight</b>						
Enforcement	1	0.0	1	0.0	0	0.0
Mission IT	0	0.0	0	0.0	0	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	0	0.2	0	0.0
Organizational Development	0	0.0	0	0.0	0	0.0
Total Direct Resources	1	0.6	1	0.6	0	0.0
<b>PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY</b>						
<b>BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION</b>						
PRODUCT LINE/PRODUCTS:						
<b>Licensing</b>						
IT Infrastructure	177	0.0	182	0.0	(5)	0
Licensing Support	0	1.6	0	1.6	0	0.0
Mission IT	250	0.0	135	0.0	115	0.0
Transportation Certification	880	14.7	880	10.7	0	4.0
<b>Oversight</b>						
Security	0	0.1	0	0.2	0	(0.1)
Inspection	0	1.5	0	1.5	0	0.0
<b>Rulemaking</b>						
Rulemaking (PL)	0	0.5	0	1.2	0	(0.7)
<b>Training</b>						
Organizational Development	2	0.0	2	0.0	0	0.0
Entry Level Hiring	0	1.0	0	0.2	0	0.8
Mission Training	53	0.0	45	0.0	8	0.0
Mission IT	3	0.0	0	0.0	3	0.0
Total Direct Resources	1,365	19.4	1,244	15.4	121	4.0
<b>Grand Total Nuclear Materials &amp; Waste Safety</b>	1,366.0	20.0	1,245	16.0	121	4.0
<b>TOTAL TRANSPORTATION</b>	1,375.0	20.1	1,246	16.1	129	4.0
Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$)	\$10,196		\$8,247		\$1,949	



## TRANSPORTATION ANNUAL FEES

**FY 2022**

The total transportation budgeted costs of \$7,347,040 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:

<b>Fee Class</b>	<b># CoCs</b>	<b>% CoCs</b>	<b>Transportation Resources to be included in annual fees</b>	<b>Resources in Millions</b>
DOE	21.00	23.0%	\$1,686,503	\$1.7
Operating Reactors	6.00	6.6%	\$481,858	\$0.5
Spent fuel/reactor decom	17.00	18.6%	\$1,365,265	\$1.4
T&R reactors	0.48	0.5%	\$38,860	\$0.04
Fuel Facilities	24.00	26.2%	\$1,927,432	\$1.9
Materials Users	23.00	25.1%	\$1,847,123	\$1.8
Total	91.48	100.0%	\$7,347,040	\$7.3

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

**Product Lines**

	Contract \$	FTE
Event Response	0.0	0.0
Generic Homeland Security	0.0	0.0
International Activities	0.0	1.0
Licensing	2,150.0	55.0
Oversight	0.0	18.0
Research	3,213.0	4.0
Rulemaking	400.0	4.0
Mission Support/Supervisors	1.0	15.0
State/Tribal/Federal Programs	0.0	0.0
Training	284.0	2.0
Travel	470.0	0.0
	<b>\$ 6,518.0</b>	<b>99.0</b>

FTE rate \$226,110 times 99 FTEs  
(includes Salaries & Benefits only)

**\$ 21,504.9**

Total Business Line Budget (BL)      \$ 6,518.0      \$ 21,504.9 =      \$ 26,500.9

**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>	(843.0)	(38.7)
Oversight <sup>3</sup>	0.0	(16.4)
Mission Support/Supervisors <sup>2</sup>	(1.0)	(15.0)
Research <sup>3</sup>	(3,213.0)	(4.0)
Rulemaking <sup>3</sup>	(400.0)	(3.5)
State/Tribal/Federal Programs <sup>3</sup>	0.0	0.0
Training <sup>3</sup>	(226.0)	(1.0)
Travel <sup>2</sup>	(470.0)	0.0
	<b>(\$5,153.0)</b>	<b>(79.6)</b>

**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>	2.0	0.1
Training <sup>4</sup>	8.0	0.2
	<b>10.0</b>	<b>0.7</b>

BL resources w/ fee rule allocations      \$ 1,375.0      20.1

FTE fully costed rate \$438,858 times 20.1 FTEs  
(includes Salaries, Benefits, indirect resources& agency support )

**\$ 8,821.1**

Total Fee Class Budget      \$ 1,375.0      \$ 8,821.1 =      \$ 10,196.10

**Variances**      \$ (5,143.0)      (78.9)      \$ (12,683.8)      \$ (16,304.8)

**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)

# Regulatory Flexibility Analysis

## Section IV.

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 2022 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 2022 annual fees assessed under 10 CFR part 171. The NRC has established two tiers of annual fees for those materials licensees who qualify as small entities under the NRC’s size standards.

## **Budget Authority (FY 2022)**

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 2022)**

## **FY 2022 Budget Summary by Program**

This report is provided as supplemental information. It provides a summary of the FY 2022 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.

[illegible]

FY 2022 MISSION DIRECT BUDGETED RESOURCES												
	TOTAL		TRANSPORTATION ALLOCATIONS		URANIUM RECOVERY ALLOCATIONS		RARE EARTH ALLOCATIONS		IMPORT/EXPORT ALLOCATIONS		INCLUDED IN FEE-RELIEF ACTIVITIES	
	CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT		CONTRACT	
	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
NUCLEAR REACTOR SAFETY	99,745.0	1,720.0	9.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	378.4	52.6
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	26,125.0	433.0	1,366.0	20.0	39.4	1.5	0.0	0.4	0.0	0.0	11,919.6	112.5
CORPORATE	149,737.0	580.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INSPECTOR GENERAL(no DNSFB)	1,632.7	58.0										
SUBTOTAL - FEE BASE RESOURCE	277,239.7	2,791.1	1,375.0	20.1	39.4	1.5	0.0	0.4	0.0	0.0	12,298.0	165.1



FY 2022 MISSION DIRECT BUDGETED RESOURCES			INCLUDED IN PROFESSIONAL											
			HOURLY & FTE RATE (overhead)		NONPROFIT ED. EXEMPTION		INTERNATIONAL ACTIVITIES			AGREEMENT STATE OVERSIGHT		AGREEMENT STATE REG SUPPORT		
	TOTAL													
	CONTRACT		CONTRACT		CONTRACT		CONTRACT			CONTRACT		CONTRACT		
	\$,K	FTE	\$,K	FTE	\$,K	FTE	\$,K	FTE		\$,K	FTE	\$,K	FTE	
NUCLEAR REACTOR SAFETY	99,745.0	1,720.0	17,221.0	371.0	172.4	21.1	110.0	23.0		28.0	0.2	10.0	0.0	
NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund)	26,125.0	433.0	3,877.0	88.0	13.0	4.9	6,103.0	21.0		1,148.0	22.5	2,451.0	22.0	
CORPORATE	149,737.0	580.1	149,737.0	580.1	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	
INSPECTOR GENERAL(no DNSFB)	1,632.7	58.0	1,632.7	58.0										
SUBTOTAL - FEE BASE RESOURCE	277,239.7	2,791.1	172,467.7	1,097.1	185.4	26.0	6,213.0	44.0		1,176.0	22.7	2,461.0	22.0	

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