

**FY 2021
PROPOSED
FEE RULE
WORK PAPERS**

FY 2021 Proposed Fee Rule Work Papers

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

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

Table of Contents

FY 2021 Proposed Fee Rule Outline

Budget and Fee Recovery

Part 170 Fees

- Determination of Professional Hourly Rate
- Licensing Fees
- Export and Import Fees
- Reciprocity Fees--Agreement State Licensees
- General License Registration Fees

Fee Collected for Prior Year

Part 171 Annual Fees

- LLW Surcharge Included in Annual Fees
- Operating Power Reactors
- Spent Fuel Storage/Reactor Decommissioning
- Fuel Facilities
- Uranium Recovery Facilities
- Non-Power Production or Utilization Facilities
- Rare Earth Facilities
- Materials Users
- Transportation

Regulatory Flexibility Analysis

Budget Authority (FY 2021)

- FY 2021 Budget Summary by Program

FY 2021 Proposed Fee Rule Outline

- I. Obtaining Information and Submitting Comments
- II. Background; Statutory Authority
- III. Discussion

Fee Collection - Overview

Table I—Budget and Fee Recovery Amounts

Table II—Excluded Activities

Fee Collection - Professional Hourly Rate

Table III—Professional Hourly Rate Calculation

Fee Collection - Flat Application Fee Changes

Fee Collection - Low-Level Waste (LLW) Surcharge

Table IV—Allocation of LLW Surcharge, FY 2021

Fee Collection - Revised Annual Fees

Table V—Rebaselined Annual Fees

a. Operating Power Reactors

Table VI—Annual Fee Summary Calculations for Operating Power Reactors

b. Spent Fuel Storage/Reactor Decommissioning

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

Decommissioning Fee Class

c. Fuel Facilities

Table VIII—Annual Fee Summary Calculations for Fuel Facilities

Table IX—Effort Factors for Fuel Facilities, FY 2021

Table X—Annual Fees for Fuel Facilities

d. Uranium Recovery Facilities

Table XI—Annual Fee Summary Calculations for Uranium Recovery Facilities

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

Table XIII—Benefit Factors for Uranium Recovery Licenses

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

e. Non-Power Production or Utilization Facilities (NPUF)

Table XV—Annual Fee Summary Calculations for NPUF

f. Rare Earth

g. Materials Users

Table XVI—Annual Fee Summary Calculations for Materials Users

h. Transportation

Table XVII—Annual Fee Summary Calculations for Transportation

Table XVIII—Distribution of Generic Transportation Resources, FY 2021

Fee Policy Changes

Administrative Changes

- IV. Regulatory Flexibility Certification
- V. Regulatory Analysis
- VI. Backfitting and Issue Finality
- VII. Plain Writing
- VIII. National Environmental Policy Act
- IX. Paperwork Reduction Act
- Public Protection Notification
- X. Voluntary Consensus Standards
- XI. Availability of Guidance
- XII. Public Meeting
- XIII. Availability of Documents

Budget and Fee Recovery

Section III

Table I

Table II

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

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

The FY 2021 fee recovery amount is decreased by \$12.6 million to account for billing adjustments (i.e., for FY 2021 invoices that the NRC estimates will not be paid during the fiscal year, less payments received in FY 2021 for prior year invoices and current year collections made for the termination of one operating power reactor). This leaves approximately \$708.8 million to be billed as fees in FY 2021 through Part 170 licensing and inspection fees and Part 171 annual fees.

The NRC estimates that \$185.9 million would be recovered from Part 170 fees in FY 2021. This represents a decrease of \$34.3 million or approximately 16.6 percent as compared to the estimated Part 170 collections of \$220.2 million for FY 2020. The remaining \$522.9 million would be recovered through the Part 171 annual fees in FY 2021, which is an increase of \$15 million when compared to estimated Part 171 collections of \$507.9 million for FY 2020.

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

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

| | FY 2021 |
|---|----------------|
| NRC Budget Authority | \$844.4 |
| Less Budget Authority for Excluded Activities | -\$123.0 |
| Balance | \$721.4 |
| Fee Recovery Rate for FY 2021 | x 100 |
| Total Amount to be Recovered For FY 2021 | \$721.4 |
| Amount to be Recovered Through Fees and Other Receipts | \$721.4 |
| Estimated amount to be recovered through Part 170 fees and other receipts | -\$185.9 |
| Estimated amount to be recovered through Part 171 annual fees | \$535.5 |
| Part 171 billing adjustments | -\$9.9 |
| Operating Reactor adjustment- Terminated Reactor collections | -\$2.7 |
| Adjusted Part 171 annual fee collections required | \$522.8 |

Consolidated Appropriations Act of FY 2021

Dollars in millions \$

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

Excluded from Budget Authority Activities:

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

| | |
|--------------------------|-----------|
| Net Budget Appropriation | \$123,000 |
|--------------------------|-----------|

*Fee Relief Activities

| | |
|---|----------|
| International Activities | \$24,652 |
| Agreement States Oversight | \$10,437 |
| Medical Isotope Production Infrastructure | \$5,899 |
| Costs not recovered from Small Entities | \$7,683 |
| Regulatory Support to Agreement States | \$12,284 |
| Fee Exemption for Non Profit Educational Institutions | \$9,322 |
| Generic Decommissioning/ Reclamation | \$16,118 |
| Uranium Recovery Program & Unregistered General Licensees | \$3,664 |
| Potential Department of Defense remediation program | \$957 |
| Non-Military Radium Sites | \$174 |

| | |
|---|----------|
| Fee Relief Activities @ fully costed rate | \$91,190 |
|---|----------|

Utilization of Carryover Funds

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

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 \$288

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

The NRC has reviewed and analyzed actual time and labor data in the NRC's Human Resource Management System for the most recent completed fiscal year (FY 2020) to determine if the annual direct hours worked per direct FTE estimate requires updating for the FY 2021 fee rule. Based on this review using actual time and labor data, the NRC determined that 1,510 hours is the best estimate of direct hours worked annually per direct FTE. This estimate excludes all non-direct activities, such as annual leave, sick leave, holidays, training, and general administration tasks.

Definitions of Professional Hourly Rate Components

Mission-Direct Program Salaries and Benefits:

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

Mission-Indirect Program Support:

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

Agency Support (Corporate Support and the IG):

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

Offsetting Receipts:

The fees collected by the NRC for the Freedom of Information Act (FOIA) and Indemnity (financial protection required of licensees for public liability claims of 10 CFR Part 140) are subtracted from the budgeted resources amount when calculating the 10 CFR Part 170 professional hourly rate per the guidance in OMB Circular A-25 "User Charges." The budgeted resources for FOIA activities are allocated under the product for information services within the Corporate Support business line. The indemnity activities are allocated under the licensing actions and the Research and Test Reactors products within the Operating Reactors business line.

Estimated Annual Mission Direct FTE Productive hours:

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

| | | | | |
|--|---|---------------------------------------|---|-----------------------------|
| Total hours in mission business lines | | | | |
| Total hours in mission business lines + "Other Hours" | X | Total work hours in a year (2,087) | = | Productive Hours Assumption |
| 2,482,568 | X | Total work hours in a year (2,087) | = | 1,510 |
| 3,427,227 | | | | |

Elements of the formula are defined as follows:

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

The primary increase in productivity assumption is attributed mainly by the decline in direct staff hours for general administration and training attendance.

DETERMINATION OF PROFESSIONAL HOURLY RATE
CALCULATION OF FTE RATES BY PROGRAM

This is for the purpose of converting FTE to \$.

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

MISSION DIRECT RESOURCES

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

PROGRAM SUPPORT (or MISSION
INDIRECT) RESOURCES

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

AGENCY SUPPORT (CORPORATE
SUPPORT & IG) RESOURCES

| (in actual \$) | nonlabor | labor |
|----------------|---------------|---------------|
| TOTAL | \$158,343,000 | \$125,365,100 |

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

DETERMINATION OF PROFESSIONAL HOURLY RATE CONTINUED

| | % total | value |
|---|----------|----------------------|
| Total included in professional hourly rates: | | |
| Mission-Direct Program Salaries & Benefits | 45.79% | \$335,303,154 |
| Mission-Indirect Program Support | 15.46% | \$113,210,746 |
| Agency Support: Corporate Support w/ Inspector General | 38.75% | \$283,708,100 |
| Total | 100.00% | <u>\$732,222,000</u> |
| less offsetting receipts* | | \$11,443 |
| Total in professional hourly rate** | | \$732,210,557 |
| | | |
| Mission-Direct FTE | | 1,684 |
| FTE rate- Full Costed** ('Total in professional hourly rates' divided by 'Mission Direct FTE') | | \$434,811 |
| Annual Mission-direct FTE productive hours | | 1,510 |
| Mission-direct FTE converted to hours ('Mission Direct FTE' multiplied by 'Annual Mission direct FTE productive hours') | | 2,542,840 |
| Professional Hourly rate** ('Total in professional hourly rates' divided by 'FTE converted to hours') | | \$288 |
| | | |
| *Calculation of offsetting receipts | Total | |
| FOIA | % | value |
| | \$11,443 | 100% \$11,443 |
| | | |
| INDEMNITY | \$0 | 100% \$0 |
| | | |
| TOTAL | | <u>\$11,443</u> |

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

| | FY21 | | FY20 | | Difference | |
|---|-----------------|--------------|-----------------|--------------|-----------------|---------------|
| | Contract (\$,K) | FTE | Contract (\$,K) | FTE | Contract (\$,K) | FTE |
| PROGRAM: NUCLEAR REACTOR SAFETY | | | | | | |
| BUSINESS LINE: NEW REACTORS | | | | | | |
| Travel | | | | | | |
| International Activities Travel | 300 | 0.0 | 275 | 0.0 | 25 | 0.0 |
| Mission Travel | 1,787 | 0.0 | 1,845 | 0.0 | (58) | 0.0 |
| Travel | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Support Staff | | | | | | |
| Supervisory Staff | 0 | 29.0 | 0 | 32.0 | 0 | (3.0) |
| Admin Assistants | 420 | 9.0 | 280 | 17.0 | 140 | (8.0) |
| Non-Supervisory Staff | 0 | 10.0 | 48 | 12.0 | (48) | (2.0) |
| PROGRAM: NUCLEAR REACTOR SAFETY | | | | | | |
| BUSINESS LINE: OPERATING REACTORS | | | | | | |
| Travel | | | | | | |
| International Activities Travel | 783 | 0.0 | 818 | 0.0 | (35) | 0.0 |
| Mission Travel | 12,118 | 0.0 | 12,135 | 0.0 | (17) | 0.0 |
| Support Staff | | | | | | |
| Supervisory Staff | 0 | 177.0 | 0 | 177.0 | 0 | 0.0 |
| Admin Assistants | 1,453 | 81.0 | 884 | 86.0 | 569 | (5.0) |
| Non-Supervisory Staff | 1,110 | 65.0 | 1,642 | 63.0 | (532) | 2.0 |
| Grand Total Nuclear Reactor Safety | 17,971 | 371.0 | 17,927 | 387.0 | 44 | (16.0) |
| PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY | | | | | | |
| BUSINESS LINE: FUEL FACILITIES | | | | | | |
| Travel | | | | | | |
| International Activities Travel | 80 | 0.0 | 120 | 0.0 | (40) | 0.0 |
| Mission Travel | 683 | 0.0 | 937 | 0.0 | (254) | 0.0 |
| Support Staff | | | | | | |
| Supervisory Staff | 0 | 10.0 | 0 | 13.0 | 0 | (3.0) |
| Admin Assistants | 0 | 2.0 | 0 | 4.0 | 0 | (2.0) |
| Non-Supervisory Staff | 0 | 2.0 | 0 | 2.0 | 0 | 0.0 |
| PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY | | | | | | |
| BUSINESS LINE: NUCLEAR MATERIALS USERS | | | | | | |
| Travel | | | | | | |
| International Activities Travel | 79 | 0.0 | 79 | 0.0 | 0 | 0.0 |
| International Assistance Travel | 350 | 0.0 | 350 | 0.0 | 0 | 0.0 |
| Mission Travel | 1,261 | 0.0 | 1,282 | 0.0 | (21) | 0.0 |
| Support Staff | | | | | | |
| Supervisory Staff | 0 | 24.0 | 0 | 25.0 | 0 | (1.0) |
| Admin Assistants | 268 | 9.0 | 0 | 8.0 | 268 | 1.0 |
| Non-Supervisory Staff | 89 | 11.0 | 436 | 10.0 | (347) | 1.0 |
| PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY | | | | | | |
| BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE | | | | | | |
| Travel | | | | | | |
| Mission Travel | 736 | 0.0 | 652 | 0.0 | 84 | 0.0 |
| International Activities Travel | 80 | 0.0 | 80 | 0.0 | 0 | 0.0 |
| Support Staff | | | | | | |
| Supervisory Staff | 0 | 10.0 | 0 | 10.0 | 0 | 0.0 |
| Admin Assistants | 0 | 2.0 | 0 | 2.0 | 0 | 0.0 |
| Non-Supervisory Staff | 0 | 1.0 | 0 | 1.0 | 0 | 0.0 |

Mission Program Indirect Budgeted Resources for Professional Hourly Rate Calculation

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

| | FY21 | | FY20 | | Difference | |
|---|-----------------|------|-----------------|------|-----------------|-------|
| | Contract (\$,K) | FTE | Contract (\$,K) | FTE | Contract (\$,K) | FTE |
| CORPORATE SUPPORT | | | | | | |
| BUSINESS LINE: CORPORATE SUPPORT | | | | | | |
| Acquisitions | | | | | | |
| Mission IT | 3,121 | 2.0 | 5,917 | 2.0 | (2,796) | 0.0 |
| Commodity Management | 0 | 1.0 | 0 | 1.0 | 0 | 0.0 |
| Procurement Operations | 235 | 40.0 | 235 | 42.0 | 0 | (2.0) |
| Administrative Assistants | 68 | 1.0 | 0 | 1.0 | 68 | 0.0 |
| Strategic Sourcing | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Supervisory Staff | 0 | 5.0 | 0 | 5.0 | 0 | 0.0 |
| Travel | 8 | 0.0 | 8 | 0.0 | 0 | 0.0 |
| Administrative Services | | | | | | |
| Mission IT | 1,747 | 2.0 | 1,807 | 2.0 | (60) | 0.0 |
| Supervisory Staff | 0 | 9.0 | 0 | 9.0 | 0 | 0.0 |
| Support Services | 5,285 | 20.0 | 7,128 | 24.0 | (1,843) | (4.0) |
| Administrative Assistants | 290 | 2.0 | 325 | 2.0 | (35) | 0.0 |
| IT Infrastructure | 200 | 1.0 | 895 | 0.0 | (695) | 1.0 |
| Corporate Rulemaking | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Facility Management | 5,809 | 12.0 | 15,449 | 14.0 | (9,640) | (2.0) |
| Non-Supervisory Staff | 30 | 5.0 | 60 | 5.0 | (30) | 0.0 |
| Physical & Personnel Security | 12,017 | 19.0 | 14,235 | 21.0 | (2,218) | (2.0) |
| Corporate Travel | 30 | 0.0 | 30 | 0.0 | 0 | 0.0 |
| Rent & Utilities | 34,483 | 1.0 | 32,502 | 1.0 | 1,981 | 0.0 |
| Financial Management | | | | | | |
| Mission IT | 11,702 | 8.0 | 9,488 | 9.0 | 2,214 | (1.0) |
| Corporate Rulemaking | 0 | 2.0 | 0 | 2.0 | 0 | 0.0 |
| Supervisory Staff | 0 | 12.0 | 0 | 12.0 | 0 | 0.0 |
| Budgeting | 0 | 26.0 | 0 | 26.0 | 0 | 0.0 |
| Administrative Assistants | 88 | 2.0 | 200 | 2.0 | (112) | 0.0 |
| Non-Supervisory Staff | 285 | 2.0 | 460 | 3.0 | (175) | (1.0) |
| Corporate Travel | 19 | 0.0 | 39 | 0.0 | (20) | 0.0 |
| Financial Services | 2,505 | 22.0 | 2,387 | 22.0 | 118 | 0.0 |
| Management controls | 302 | 19.0 | 350 | 20.0 | (48) | (1.0) |
| Performance Management | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Human Resource Management | | | | | | |
| Mission IT | 1,010 | 3.0 | 1,010 | 3.0 | 0 | 0.0 |
| Supervisory Staff | 0 | 6.0 | 0 | 6.0 | 0 | 0.0 |
| Non-Supervisory Staff | 165 | 2.0 | 165 | 2.0 | 0 | 0.0 |
| Administrative Assistants | 0 | 1.0 | 0 | 1.0 | 0 | 0.0 |
| Corporate Travel | 87 | 0.0 | 87 | 0.0 | 0 | 0.0 |
| Employee/Labor Relations | 15 | 5.0 | 15 | 5.0 | 0 | 0.0 |
| Policy Development & SWP | 26 | 5.0 | 69 | 5.0 | (43) | 0.0 |
| Recruitment & Staffing | 820 | 16.0 | 820 | 17.0 | 0 | (1.0) |
| Change of Station | 7,056 | 0.0 | 8,504 | 0.0 | (1,448) | 0.0 |
| Work Life Services | 2,680 | 5.0 | 1,883 | 5.0 | 797 | 0.0 |
| Information Technology | | | | | | |
| IM Technologies | 7,446 | 12 | 5,998 | 12 | 1,448 | 0.0 |
| IT Infrastructure | 44,231 | 73.0 | 43,628 | 78.0 | 603 | (5.0) |
| IT applications infrastructure | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| IT Security | 5,630 | 10.0 | 5,796 | 11.0 | (166) | (1.0) |
| Information Services | 2,036 | 28.0 | 1,721 | 28.0 | 315 | 0.0 |
| Information Security | 0 | 2.0 | 0 | 2.0 | 0 | 0.0 |
| Supervisory Staff | 0 | 16.0 | 0 | 17.0 | 0 | (1.0) |
| Non-Supervisory Staff | 0 | 5.0 | 0 | 2.0 | 0 | 3.0 |
| Corporate Travel | 48 | 0.0 | 48 | 1.0 | 0 | (1.0) |
| Administrative Assistants | 361 | 1.0 | 384 | 1.0 | (23) | 0.0 |
| Content Management | 752 | 1.0 | 755 | 1.0 | (3) | 0.0 |
| IT Strategic Management | 695 | 26.0 | 1,103 | 26.0 | (408) | 0.0 |
| Outreach | | | | | | |
| Small Business & Civil Rights | 645 | 9.0 | 742 | 9.0 | (97) | 0.0 |
| Outreach & Compliance Coord. Program | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Supervisory Staff | 0 | 2.0 | 0 | 2.0 | 0 | 0.0 |

| | FY21 | | FY20 | | Difference | |
|---|-------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| | Contract (\$,K) | FTE | Contract (\$,K) | FTE | Contract (\$,K) | FTE |
| Administrative Assistants | 0 | 1.0 | 61 | 1.0 | (61) | 0.0 |
| Non-Supervisory Staff | 0 | 1.0 | 0 | 1.0 | 0 | 0.0 |
| Mission IT | 39 | 0.0 | 33 | 0.0 | 6 | 0.0 |
| Corporate Travel | 23 | 0.0 | 30 | 0.0 | (7) | 0.0 |
| Policy Support | | | | | | |
| Mission IT | 698 | 0.0 | 668 | 0.0 | 30 | 0.0 |
| International Cooperation | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| International Policy Outreach | 290 | 3.0 | 290 | 3.0 | 0 | 0.0 |
| Performance Management | 0 | 1.0 | 0 | 1.0 | 0 | 0.0 |
| Commission | 70 | 35.0 | 70 | 35.0 | 0 | 0.0 |
| Commission Appellate Adjudication | 5 | 5.0 | 5 | 6.0 | 0 | (1.0) |
| EDO Operations | 0 | 8.0 | 0 | 8.0 | 0 | 0.0 |
| Policy Outreach | 1,126 | 34.0 | 1,126 | 37.0 | 0 | (3.0) |
| Secretariat | 0 | 16.0 | 0 | 17.0 | 0 | (1.0) |
| Official Representation | 25 | 0.0 | 25 | 0.0 | 0 | 0.0 |
| Corporate Rulemaking | 0 | 1.0 | 0 | 1.0 | 0 | 0.0 |
| Supervisory Staff | 0 | 13.0 | 0 | 13.0 | 0 | 0.0 |
| Administrative Assistants | 75 | 16.0 | 75 | 15.0 | 0 | 1.0 |
| Non-Supervisory Staff | 63 | 1.0 | 63 | 1.0 | 0 | 0.0 |
| Corporate Travel | 824 | 0.0 | 824 | 0.0 | 0 | 0.0 |
| Training | | | | | | |
| Mission IT | 115 | 2.0 | 158 | 2.0 | (43) | 0.0 |
| Training and Development | 1,130 | 3.0 | 1,212 | 4.0 | (82) | (1.0) |
| Organizational Development | 42 | 2.0 | 10 | 2.0 | 32 | 0.0 |
| Supervisory Staff | 0 | 3.0 | 0 | 3.0 | 0 | 0.0 |
| Administrative Assistants | 53 | 1.0 | 0 | 1.0 | 53 | 0.0 |
| IT Security | 100 | 0.0 | 150 | 0.0 | (50) | 0.0 |
| Non-Supervisory Staff | 0 | 1.0 | 0 | 1.0 | 0 | 0.0 |
| Corporate Travel | 117 | 0.0 | 341 | 0.0 | (224) | 0.0 |
| Business Process Improvements | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Total Agency Support (Corporate Support) Resources | 156,722 | 588 | 169,384 | 611 | (12,662) | (23.0) |
| Total value of Corporate Support Resources(FY21 \$156,722 contract funding + 588 FTE multiplied by S&B rate) | \$ 156,722 | \$ 114,693 | \$ 169,384 | \$ 110,013 | (12,662) | 4680.0 |
| Office of Inspector General | 1,621 | 58.0 | 1,703 | 58.0 | (82) | 0.0 |
| Total value of the Office of Inspector General Resources(\$1,621 contract funding + 58 FTE multiplied by S&B rate) | \$ 1,621 | \$ 10,672 | \$ 1,703 | \$ 10,440 | (82) | 232.0 |
| Total Agency Support (Corporate Support and the IG) Resources | \$ 158,343 | \$ 125,365 | \$ 171,087 | \$ 120,453 | (12,744) | 4912.0 |

Part 170 Fees

Specific Services

Section III.A.2

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

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

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

| DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2021 | | | |
|---|--|--|---|
| FY2021 Professional Hourly Rate \$288 | | | |
| Materials Part 170 Fee | | | |
| Category | FY 2021 Estimated Professional Process Time | FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate) | FY 2021 Fee/Cost (Rounded) |
| | (Hours)* | | |
| 1. Special Nuclear Material | | | |
| 1C. Industrial Gauges | | | |
| Inspection Costs** | 7.7 | \$2,217 | \$2,200 |
| New License | 4.6 | \$1,325 | \$1,300 |
| 1D. All Other SNM Material, less critical mass | | | |
| Inspection Costs** | 20.3 | \$5,845 | \$5,800 |
| New License | 9.3 | \$2,678 | \$2,700 |
| 2. Source Material | | | |
| 2B. Shielding | | | |
| Inspection Costs** | 10 | \$2,879 | \$2,900 |
| New License | 4.4 | \$1,267 | \$1,300 |
| 2C. Exempt Distribution/SM | | | |
| Inspection Costs** | 19.4 | \$5,586 | \$5,600 |
| New License | 21.4 | \$6,162 | \$6,200 |
| 2D. General License Distribution | | | |
| Inspection Costs** | 15.6 | \$4,492 | \$4,500 |
| New License | 9.9 | \$2,851 | \$2,900 |
| 2E. Manufacturing Distribution | | | |
| Inspection Costs** | 15.6 | \$4,492 | \$4,500 |
| New License | 9.5 | \$2,736 | \$2,700 |
| 2F. All Other Source Material | | | |
| Inspection Costs** | 32.1 | \$9,243 | \$9,200 |
| New License | 9.5 | \$2,736 | \$2,700 |
| 3. Byproduct Material | | | |
| 3A. Mfg-Broad Scope | | | |
| Inspection Costs** | 78.3 | \$22,546 | \$22,500 |
| New License | 46.8 | \$13,476 | \$13,500 |
| 3. Byproduct Material | | | |
| 3A1. Mfg-Broad Scope | | | |
| Inspection Costs** | 104.4 | \$30,062 | \$30,100 |
| New License | 62.2 | \$17,910 | \$17,900 |
| 3. Byproduct Material | | | |
| 3A2. Mfg-Broad Scope | | | |
| Inspection Costs** | 130.5 | \$37,577 | \$37,600 |
| New License | 77.7 | \$22,374 | \$22,400 |

| DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2021 | | | |
|---|--|--|---|
| FY2021 Professional Hourly Rate \$288 | | | |
| Materials Part 170 Fee | | | |
| Category | FY 2021 Estimated Professional Process Time | FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate) | FY 2021 Fee/Cost (Rounded) |
| 3B. Mfg-Other | | | |
| Inspection Costs** | 32.2 | \$9,272 | \$9,300 |
| New License | 12.9 | \$3,715 | \$3,700 |
| 3B1. Mfg-Other (sites 6-19) | | | |
| Inspection Costs** | 42.9 | \$12,353 | \$12,400 |
| New License | 17.2 | \$4,953 | \$5,000 |
| 3B2. Mfg-Other (sites 20 or more) | | | |
| Inspection Costs** | 53.7 | \$15,463 | \$15,500 |
| New License | 21.4 | \$6,162 | \$6,200 |
| 3C. Mfg/Distribution Radiopharmaceuticals | | | |
| Inspection Costs** | 24.3 | \$6,997 | \$7,000 |
| New License | 18.7 | \$5,385 | \$5,400 |
| 3C1. Mfg/Distribution Radiopharmaceuticals | | | |
| Inspection Costs** | 32.5 | \$9,358 | \$9,400 |
| New License | 24.9 | \$7,170 | \$7,200 |
| 3C2. Mfg/Distribution Radiopharmaceuticals | | | |
| Inspection Costs** | 40.6 | \$11,691 | \$11,700 |
| New License | 31.0 | \$8,926 | \$8,900 |
| 3D. Distribution Radiopharmaceuticals/No Process | | | |
| Inspection Costs** | 0 | \$0 | \$0 |
| New License | 0 | \$0 | \$0 |
| 3E. Irradiators/Self-Shielded | | | |
| Inspection Costs** | 47.1 | \$13,562 | \$13,600 |
| New License | 11.5 | \$3,311 | \$3,300 |
| 3F. Irradiators < 10,000 Ci | | | |
| Inspection Costs** | 15.7 | \$4,521 | \$4,500 |
| New License | 23.4 | \$6,738 | \$6,700 |
| 3G. Irradiators => 10,000 Ci | | | |
| Inspection Costs** | 22.1 | \$6,364 | \$6,400 |
| New License | 223.2 | \$64,270 | \$64,300 |
| 3H. Exempt Distribution/Device Review | | | |
| Inspection Costs** | 12.7 | \$3,657 | \$3,700 |
| New License | 23.9 | \$6,882 | \$6,900 |
| 3I. Exempt Distribution/No Device Review | | | |
| Inspection Costs** | 14.7 | \$4,233 | \$4,200 |
| New License | 53.2 | \$15,319 | \$15,300 |
| 3J. General License Distribution/Device Review | | | |
| Inspection Costs** | 10.5 | \$3,023 | \$3,000 |
| New License | 7.2 | \$2,073 | \$2,100 |

| DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2021 | | | |
|---|--|--|----------------------------------|
| FY2021 Professional Hourly Rate \$288 | | | |
| Materials Part 170 Fee | | | |
| Category | FY 2021 Estimated Professional Process Time | FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate) | FY 2021 Fee/Cost (Rounded) |
| 3K. General License Distribution/No Device Review | | | |
| Inspection Costs** | 10.4 | \$2,995 | \$3,000 |
| New License | 4.1 | \$1,181 | \$1,200 |
| 3L. R&D-Broad | | | |
| Inspection Costs** | 38 | \$10,942 | \$10,900 |
| New License | 19.7 | \$5,673 | \$5,700 |
| 3L1 R&D-Broad | | | |
| Inspection Costs** | 50.7 | \$14,599 | \$14,600 |
| New License | 26.2 | \$7,544 | \$7,500 |
| 3L2 R&D-Broad | | | |
| Inspection Costs** | 63.3 | \$18,227 | \$18,200 |
| New License | 32.7 | \$9,416 | \$9,400 |
| 3M. R&D-Other | | | |
| Inspection Costs** | 32.5 | \$9,358 | \$9,400 |
| New License | 29.8 | \$8,581 | \$8,600 |
| 3N. Service License | | | |
| Inspection Costs** | 33.1 | \$9,531 | \$9,500 |
| New License | 32 | \$9,214 | \$9,200 |
| 3O. Radiography | | | |
| Inspection Costs** | 28.5 | \$8,207 | \$8,200 |
| New License | 31.8 | \$9,157 | \$9,200 |
| 3O1. Radiography | | | |
| Inspection Costs** | 38.0 | \$10,942 | \$10,900 |
| New License | 42.4 | \$12,209 | \$12,200 |
| 3O2. Radiography | | | |
| Inspection Costs** | 47.5 | \$13,678 | \$13,700 |
| New License | 53.0 | \$15,261 | \$15,300 |
| 3P. All Other Byproduct Material | | | |
| Inspection Costs** | 23.1 | \$6,652 | \$6,700 |
| New License | 22.8 | \$6,565 | \$6,600 |
| 3P1. All Other Byproduct Material | | | |
| Inspection Costs** | 30.8 | \$8,869 | \$8,900 |
| New License | 30.4 | \$8,754 | \$8,800 |
| 3P2. All Other Byproduct Material | | | |
| Inspection Costs** | 38.5 | \$11,086 | \$11,100 |
| New License | 38.0 | \$10,942 | \$10,900 |

| DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2021 | | | |
|---|--|--|---|
| FY2021 Professional Hourly Rate \$288 | | | |
| Materials Part 170 Fee | | | |
| Category | FY 2021 Estimated Professional Process Time | FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate) | FY 2021 Fee/Cost (Rounded) |
| 3R1. Radium-226 (less than or equal to 10x limits in 31.12) | | | |
| Inspection Costs** | 24.2 | \$6,968 | \$7,000 |
| New License | 9.2 | \$2,649 | \$2,600 |
| 3R2. Radium-226 (more than 10x limits in 31.12) | | | |
| Inspection Costs** | 16.2 | \$4,665 | \$4,700 |
| New License | 9 | \$2,592 | \$2,600 |
| 3S. Accelerator Produced Radionuclides | | | |
| Inspection Costs** | 26.2 | \$7,544 | \$7,500 |
| New License | 51.1 | \$14,714 | \$14,700 |
| 4B. Waste Packaging | | | |
| Inspection Costs** | 23.8 | \$6,853 | \$6,900 |
| New License | 24.9 | \$7,170 | \$7,200 |
| 4C. Waste-Prepackaged | | | |
| Inspection Costs** | 14.2 | \$4,089 | \$4,100 |
| New License | 18 | \$5,183 | \$5,200 |
| 5. Well Logging | | | |
| 5A. Well Logging | | | |
| Inspection Costs** | 33.1 | \$9,531 | \$9,500 |
| New License | 16.5 | \$4,751 | \$4,800 |
| 6. Nuclear Laundries | | | |
| 6A. Nuclear Laundry | | | |
| Inspection Costs** | 21.7 | \$6,249 | \$6,200 |
| New License | 79.7 | \$22,950 | \$22,900 |
| 7. Human Use | | | |
| 7A. Teletherapy | | | |
| Inspection Costs** | 89.4 | \$25,743 | \$25,700 |
| New License | 40 | \$11,518 | \$11,500 |
| 7. Human Use | | | |
| 7A1. Teletherapy | | | |
| Inspection Costs** | 119.2 | \$34,324 | \$34,300 |
| New License | 53.2 | \$15,319 | \$15,300 |
| 7. Human Use | | | |
| 7A2. Teletherapy | | | |
| Inspection Costs** | 149.0 | \$42,905 | \$42,900 |
| New License | 66.4 | \$19,120 | \$19,100 |

| DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2021 | | | |
|---|--|--|---|
| FY2021 Professional Hourly Rate \$288 | | | |
| Materials Part 170 Fee | | | |
| Category | FY 2021 Estimated Professional Process Time | FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate) | FY 2021 Fee/Cost (Rounded) |
| 7B. Medical-Broad | | | |
| Inspection Costs** | 79.6 | \$22,921 | \$22,900 |
| New License | 31.2 | \$8,984 | \$9,000 |
| 7B1. Medical-Broad | | | |
| Inspection Costs** | 106.1 | \$30,551 | \$30,600 |
| New License | 41.5 | \$11,949 | \$11,900 |
| 7B2. Medical-Broad | | | |
| Inspection Costs** | 132.7 | \$38,211 | \$38,200 |
| New License | 51.8 | \$14,914 | \$14,900 |
| 7C. Medical-Other | | | |
| Inspection Costs** | 25.2 | \$7,256 | \$7,300 |
| New License | 37.8 | \$10,885 | \$10,900 |
| 7C1. Medical-Other | | | |
| Inspection Costs** | 33.6 | \$9,675 | \$9,700 |
| New License | 31.4 | \$9,042 | \$9,000 |
| 7C2. Medical-Other | | | |
| Inspection Costs** | 41.5 | \$11,950 | \$11,900 |
| New License | 39.2 | \$11,288 | \$11,300 |
| 8. Civil Defense | | | |
| 8A. Civil Defense | | | |
| Inspection Costs** | 24.2 | \$6,968 | \$7,000 |
| New License | 9.2 | \$2,649 | \$2,600 |
| 9. Device, product or sealed source evaluation | | | |
| 9A. Device evaluation-commercial distribution | | | |
| Application - each device | 62.2 | \$17,910 | \$17,900 |
| 9B. Device evaluation - custom | | | |
| Application - each device | 32.4 | \$9,330 | \$9,300 |
| 9C. Sealed source evaluation - commercial distribution | | | |
| Application - each source | 19 | \$5,471 | \$5,500 |
| 9D. Sealed source evaluation - custom | | | |
| Application - each source | 3.8 | \$1,094 | \$1,100 |
| 10. Transportation | | | |
| 10B. Evaluation - Part 71 QA program | | | |
| Application - approval | 15.1 | \$4,348 | \$4,300 |

| DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2021 | | | |
|---|---|---|---|
| FY2021 Professional Hourly Rate \$288 | | | |
| Materials Part 170 Fee | | | |
| Category | FY 2021 Estimated Professional Process Time | FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate) | FY 2021 Fee/Cost (Rounded) |
| 17. Master Materials License¹ | | | |
| Inspection Costs** | 504.5 | \$145,271 | \$145,300 |
| New License | 565 | \$162,692 | \$162,700 |
| NOTES: | | | |
| Rounding: <\$1000 rounded to nearest \$10, =or>\$1000 and <\$100,000 rounded to nearest \$100, =or>\$100,000 rounded to nearest \$1,000 | | | |
| * hours based on FY 2019 Biennial Review | | | |
| ** Inspection costs are used in computation of the Annual fees for the category | | | |
| ¹ Beginning with FY 2011 fee rule, the Master Materials License Part 170 application fee was eliminated. Per FSME's recommendation in their Biennial Review, the fee for a new MML license will be fully costed based on the hours spent on reviewing a new application. | | | |

Part 170 Fees

Export and Import Fees

Section III.A.2

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

Note: The FY 2020 enacted budget excluded international activities from the fee-recoverable budget, import and export licensing actions (see fee categories K.1. through K.5. of § 170.21 and fee categories 15.A. through 15.R. of § 170.31) were not charged fees under the 2020 Final rule.

| FY 2021 MISSION DIRECT BUDGETED RESOURCES | | | | |
|--|-----------------|------------|--|------------|
| | TOTAL | | IMPORT/EXPORT ALLOCATIONS | |
| | CONTRACT | | CONTRACT | |
| | \$,K | FTE | \$,K | FTE |
| NUCLEAR REACTOR SAFETY | 78,023.0 | 1,700.0 | 0.0 | 0.0 |
| NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund) | 24,584.0 | 441.0 | 0.0 | 0.0 |
| CORPORATE | 156,722.0 | 588.0 | 0.0 | 0.0 |
| INSPECTOR GENERAL(no DNSFB) | 1,621.0 | 58.0 | | |
| SUBTOTAL - FEE BASE RESOURCE | 260,950.0 | 2,787.0 | 0.0 | 0.0 |
| Figures below in \$, M (unless otherwise indicated) | | | | |
| (1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below) | | | 0.0000 | |
| (2) LESS ESTIMATED PART 170 FEE COLLECTIONS | | | 0.0000 | |
| (3) PART 171 ALLOCATIONS (equals 1 - 2) | | | 0.00 | |
| (4) GENERIC TRANSPORTATION RESOURCES (allocated) | | | | |
| (5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4) | | | 0.00 | |
| (6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5) | | | 0.00 | |
| (7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity) | | | 0.00% | |
| (8) LLW Surcharge | | | | |
| (9) LLW Surcharge per licensee | | | | |
| (10) Part 171 billing adjustments | | | 0.00 | |
| (11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3) | | | 0.0000 | |
| (12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11) | | | 0.0000 | |
| (13) Number of Licensees | | | | |
| (14) Fee Per License (equals 12/13) | | | different for different categories of licenses; see other worksheets | |
| unrounded annual fee amount per license, actual \$ | | | | |
| rounded annual fee, actual \$ | | | | |
| FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations | | | 434,811 | |

| DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2021 | | | |
|--|--|--|---|
| FY2021 Professional Hourly Rate \$288 | | | |
| Materials Part 170 Fee | | | |
| Category | FY 2021 Estimated Professional Process Time | FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate) | FY 2021 Fee/Cost (Rounded) |
| DETERMINATION OF EXPORT AND IMPORT PART 170 FEES FY 2021 | | | |
| FY 2021 Professional Hourly Rate = \$288 | | | |
| Export and Import Part 170 Fees Category | FY 2021 Estimated Professional Process Time | FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate) | FY 2021 Fee/Cost (Rounded) |
| (Hours)* | | | |
| 10 CFR 170.21, Category K Subcategory | | | |
| 1 | 70 | 20,156 | 20,200 |
| 2 | 15 | 4,319 | 4,300 |
| 3 | 50 | 14,397 | 14,400 |
| 4 | 17 | 4,895 | 4,900 |
| 5 | 15 | 4,319 | 4,300 |
| 10 CFR 170.31, Category 15 Subcategory | | | |
| A | 70 | 20,156 | 20,200 |
| B | 15 | 4,319 | 4,300 |
| C | 50 | 14,397 | 14,400 |
| D | 17 | 4,895 | 4,900 |
| E | 17 | 4,895 | 4,900 |
| F | 60 | 17,277 | 17,300 |
| G | 30 | 8,638 | 8,600 |
| H | 17 | 4,895 | 4,900 |
| I | 5 | 1,440 | 1,400 |
| J | 60 | 17,277 | 17,300 |
| K | 30 | 8,638 | 8,600 |
| L | 10 | 2,879 | 2,900 |
| M | 0 | 0 | 0 |
| N | 0 | 0 | 0 |
| O | 0 | 0 | 0 |
| P | 0 | 0 | 0 |
| Q | 0 | 0 | 0 |
| R | 5 | 1,440 | 1,400 |
| NOTES: | | | |
| The application fees and amendment fees are the same for each subcategory because, per discussion with IP representatives, the processing time is the same for a new license or an amendment to the license. | | | |
| Rounding: <\$1000 rounded to nearest \$10, =or>\$1000 and <\$100,000 rounded to nearest \$100, =or>\$100,000 rounded to nearest \$1,000 | | | |
| * data based on FY 2021 Biennial Review | | | |

Part 170 Fees

Reciprocity Fees - Agreement State Licensees

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

| DETERMINATION OF MATERIALS PART 170 APPLICATION FEES and Average Inspection Costs ** FY 2021 | | | |
|--|--|--|---------------------|
| FY2021 Professional Hourly Rate \$288 | | | |
| Materials Part 170 Fee | | | |
| Category | FY 2021 Estimated Professional Process Time | FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate) | |
| DETERMINATION OF RECIPROCITY PART 170 FEES FY 2021 | | | |
| NOTES: The reciprocity application and revision fees are determined using FYs 2015-2019 data*, and the FY 2021 professional hourly rate. The reciprocity application fee includes average costs for inspections, average costs for processing initial filings of NRC Form 241, and average costs for processing changes to the initial filings of NRC Form 241. | | | |
| FY 2021 Professional Hourly Rate: | | \$288 | |
| Average inspection costs: Reciprocity Part 170 Fee | Fee Category 16 | Avg Inspection Costs (Avg. no. of hours for insp. x professional hourly rate) | Total Amount |
| Inspection | Number of Inspections Conducted for FY15-19 | 130 | \$8,200 |
| | Total | $\frac{0}{130}$ | \$266,500 |
| | Average for the 5 years | 32.5 | |
| Initial 241s | Number of Completions for FY15-19 | 846 | \$700 |
| | Total | $\frac{0}{846}$ | \$148,050 |
| | Average for the 5 years | 211.5 | |
| Revised 241s | Number of Completions for FY15-19 | 6209 | \$100 |
| | Total | $\frac{0}{6209}$ | \$155,225 |
| | Average for the 5 years | 1552.25 | |
| APPLICATION FEE: | | | |
| Amount for inspections [Cost/Initial 241] | | \$1,260 | |
| 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 | | \$2,694 | |
| Application Fee Rounded | | \$2,700 | |
| * 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 2021 | | | |
|--|---------|--|--|
| FY2021 Professional Hourly Rate \$288 | | | |
| Materials Part 170 Fee | | | |
| Category | | FY 2021 Estimated Professional Process Time | FY 2021 Fee/Cost (Professional Time x FY 2021 Professional Hourly Rate) |
| DETERMINATION OF GENERAL LICENSE REGISTRATION FEE , FY 2021 (FEE CATEGORY 3Q) | | | |
| | | <u>Total GL Resources</u> | <u>% Supporting Registrable GLs</u> |
| <u>NMSS GL Program</u> | | | |
| budgeted FTE | Regions | | 0.00 |
| | HQ | | 0.10 |
| budgeted contract \$ | Regions | | \$0 |
| | HQ | | \$291,000 |
| full cost of FTE | | \$434,811 | \$434,811 |
| total budgeted resources, NMSS GL Program (equals full cost of FTE + contract \$) | | | \$334,481 |
| portion of budgeted resources associated w/fee exempt GLs (nonprofit educational) | | | \$12,710 |
| net to be recovered | | | \$321,771 |
| fee assuming 428 registrable GLs | | | \$751.80 |
| fee, rounded | | | \$800 |
| Data based on the NRC budget documents and the 10/19 email (NMSS GL program). | | | |

Fees Collected for Prior Year

As part of the NRC's fees transformation, beginning with the FY 2019 final fee rule work papers, we have compared the FY 2020 actual Part 170 and Part 171 percentage of total collections with the estimated Part 170 and Part 171 percentage of total collections.

FEES COLLECTED FOR PRIOR YEAR

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

As part of improving transparency of the fee setting process, NRC committed to providing more information to identify budgeted activities allocated to user fees or annual fees. The FY 2021 Congressional Budget Justification , included which Products Lines may generally be annual or user fees for each business line.

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

Part 171 Annual Fees

Section 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**

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

Info for FY 2021 Proposed Fee Rule Based on CY 2019 Data in DOE MIMS Database

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

The MIMS database was used to determine a 5-year average (Calendar Years 2015 – 2019) based on the DOE MIMS Class. The following were the results effective 03/23/2020:

| | |
|------------------|-------|
| Power Reactor: | 74.3% |
| Fuel Facilities: | 8.5% |
| Materials: | 17.2% |

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: | 74.3% |
| Fuel Facilities: | 8.5% |
| Materials (NRC): | 2.2% |
| <i>Materials (AS):</i> | <i>15.0% *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% - 15.0% = 85.0%).

| | |
|------------------------|--------------------------|
| Power Reactor | $74.3\%/85.0\% = 87.4\%$ |
| Fuel Facilities | $8.5\%/85.0\% = 10.0\%$ |
| Materials (NRC) | $2.2\%/85.0\% = 2.6\%$ |

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 93 power reactors licensed to operate. This results in a FY 2021 annual fee of \$4,804,000 per reactor. Additionally, each power reactor licensed to operate would be assessed the FY 2021 spent fuel storage/reactor decommissioning annual fee of \$246,000. This results in a total FY 2021 annual fee of \$5,050,000 for each power reactor licensed to operate.

Note: The NRC amended its licensing, inspection and annual fee regulations to establish a variable annual fee structure for light-water small modular reactors (SMR) on May 24, 2016. Under the variable annual fee structure, an SMR's annual fee would be calculated as a function of its licensed thermal power rating. This fee methodology complies with OMB circular A-25 user fees and NEIMA. Currently, there are no operating SMRs; therefore, the NRC will not propose an annual fee in FY 2021 for this type of licensee.

| FY 2021 MISSION DIRECT BUDGETED RESOURCES | | | | |
|---|--------------|---------|-----------------------------------|-----------|
| | TOTAL | | POWER REACTORS ALLOCATIONS | |
| | CONTRACT | | CONTRACT | |
| | \$,K | FTE | \$,K | FTE |
| NUCLEAR REACTOR SAFETY | 78,023.0 | 1,700.0 | 59,371.4 | 1,268.9 |
| NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund) | 24,584.0 | 441.0 | 91.0 | 1.4 |
| CORPORATE | 156,722.0 | 588.0 | 0.0 | 0.0 |
| INSPECTOR GENERAL(no DNSFB) | 1,621.0 | 58.0 | | |
| SUBTOTAL - FEE BASE RESOURCE | 260,950.0 | 2,787.0 | 59,462.4 | 1,270.3 |
| Figures below in \$, M (unless otherwise indicated) | | | | |
| (1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below) | | | | 611.8 |
| (2) LESS ESTIMATED PART 170 FEE COLLECTIONS | | | | 157.0 |
| (3) PART 171 ALLOCATIONS (equals 1 - 2) | | | | 454.8 |
| (4) GENERIC TRANSPORTATION RESOURCES (allocated) | | | | 0.3 |
| (5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4) | | | | 455.0 |
| (6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5) | | | | 612.1 |
| (7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity) | | | | 85.30% |
| (8) LLW Surcharge | | | | 2.9 |
| (9) LLW Surcharge per licensee | | | | 0.03 |
| (10) Part 171 billing adjustments | | | | -8.4 |
| (11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3) | | | | -2.7 |
| (12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11) | | | | 446.8 |
| (13) Number of Licensees | | | | 93 |
| (14) Fee Per License (equals 12/13) | | | | 4.80 |
| unrounded annual fee amount per license, actual \$ | | | | 4,804,327 |
| rounded annual fee, actual \$ | | | | 4,804,000 |
| FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations | 434,811 | | | |

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

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

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

| | FY21 | | FY20 | | Difference | |
|---|-----------------|---------------|-----------------|----------------|-----------------|---------------|
| | Contract (\$,K) | FTE | Contract (\$,K) | FTE | Contract (\$,K) | FTE |
| Emergency Preparedness | 0 | 19.0 | 0 | 20.0 | 0 | (1.0) |
| Enforcement | 116 | 15.7 | 116 | 16.7 | 0 | (1.0) |
| Event Evaluation | 0 | 30.0 | 0 | 35.0 | 0 | (5.0) |
| Fukushima NTTF | 0 | 2.0 | 0 | 7.0 | 0 | (5.0) |
| Inspection | 1,836 | 317.0 | 2,200 | 319.0 | (364) | (2.0) |
| Information Services | 1,651 | 0.0 | 1,181 | 0.0 | 470 | 0.0 |
| IT Infrastructure | 1,429 | 2.0 | 1,874 | 0.0 | (445) | 2.0 |
| Mission IT | 4,554 | 3.0 | 4,760 | 5.0 | (206) | (2.0) |
| NSPDP Training | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Security | 3,539 | 56.0 | 3,745 | 57.0 | (206) | (1.0) |
| Vendor Inspection | 0 | 2.0 | 0 | 2.0 | 0 | 0.0 |
| Research | | | | | | |
| Aging & Materials Research | 3,280 | 18.0 | 5,091 | 20.0 | (1,811) | (2.0) |
| Digital I&C & Electrical Res. | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Engineering Research | 2,755 | 24.0 | 2,911 | 24.0 | (156) | 0.0 |
| Generic Issues & Oper. Exp. | 0 | 0.0 | 0 | 2.0 | 0 | (2.0) |
| Mission IT | 2,051 | 3.0 | 2,736 | 2.0 | (685) | 1.0 |
| Reactor Research Support | 500 | 9.0 | 0 | 7.0 | 500 | 2.0 |
| Reactor Safety Codes & Analysis | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Risk Analysis | 7,788 | 46.0 | 6,215 | 50.0 | 1,573 | (4.0) |
| Systems Analysis Research | 4,200 | 21.0 | 7,247 | 23.0 | (3,047) | (2.0) |
| Rulemaking (PL) | | | | | | |
| Rulemaking | 100 | 18.6 | 225 | 23.7 | (125) | (5.1) |
| Rulemaking Support | 300 | 14.0 | 300 | 13.0 | 0 | 1.0 |
| Training | | | | | | |
| Business Process Improvements | 0 | 0.0 | 0 | 0.6 | 0 | (0.6) |
| Entry Level Hiring | 0 | 21.0 | 0 | 0.0 | 0 | 21.0 |
| Organizational Development | 102 | 0.0 | 70 | 0.0 | 32 | 0.0 |
| Mission IT | 500 | 0.0 | 744 | 0.0 | (244) | 0.0 |
| Mission Training | 3,559 | 26.8 | 3,050 | 24.8 | 509 | 2.0 |
| NSPDP Training | 0 | 0.0 | 0 | 9.0 | 0 | (9.0) |
| Total Direct Resources | 49,506 | 1083.0 | 52,916 | 1,099.7 | (3,410) | (16.7) |
| Grand Total Nuclear Reactor Safety | 59,371 | 1268.9 | 64,125 | 1,326.6 | (4,754) | (57.7) |
| PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY | | | | | | |
| BUSINESS LINE: FUEL FACILITIES | | | | | | |
| <i>PRODUCT LINE/PRODUCTS:</i> | | | | | | |
| Research | | | | | | |
| Materials Research | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Total Direct Resources | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY | | | | | | |
| BUSINESS LINE: NUCLEAR MATERIALS USERS | | | | | | |
| <i>PRODUCT LINE/PRODUCTS:</i> | | | | | | |
| Oversight | | | | | | |
| Inspection | 6 | 0.0 | 6 | 0.0 | 0 | 0.0 |
| State, Tribal and Federal Programs | | | | | | |
| Liaison | 0 | 0.8 | 0 | 0.8 | 0 | 0.0 |
| Training | | | | | | |
| Mission Training | 85 | 0.2 | 102 | 0.2 | (17) | 0.0 |
| Total Direct Resources | 91 | 1.0 | 108 | 1.0 | (17) | 0.0 |
| PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY | | | | | | |
| BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION | | | | | | |
| <i>PRODUCT LINE/PRODUCTS:</i> | | | | | | |
| Rulemaking (PL) | | | | | | |
| Rulemaking | 0 | 0.4 | 0 | 0.4 | 0 | 0.0 |
| Travel | | | | | | |
| Mission Travel | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Training | | | | | | |
| Mission Training | 0 | 0.0 | 0 | 0 | 0 | 0.0 |
| Total Direct Resources | 0 | 0.4 | 0 | 0.4 | 0 | 0.0 |
| Grand Total Nuclear Materials & Waste Safety | 91.0 | 1.4 | 108 | 1.4 | (17) | 0.0 |

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

| | FY21 | | FY20 | | Difference | |
|---|-----------------|---------|-----------------|---------|-----------------|--------|
| | Contract (\$,K) | FTE | Contract (\$,K) | FTE | Contract (\$,K) | FTE |
| TOTAL POWER REACTORS | 59,462.4 | 1,270.3 | 64,233 | 1,328.0 | (4,771) | (57.7) |
| Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$) | 611,803 | | 623,947 | | (\$12,144) | |

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

OPERATING POWER REACTOR ANNUAL FEE
FY 2021

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

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

DETERMINATION OF ANNUAL FEE:

| | |
|--|---------------|
| TOTAL BUDGETED COSTS FOR OPERATING POWER REACTORS (PRIOR TO PART 170 & OTHER ADJUSTMENTS) | \$611,803,021 |
| ANNUAL FEE PER REACTOR (rounded) (BUDGETED COSTS DIVIDED BY 93 OPERATING POWER REACTORS) | \$ 4,804,000 |
| PLUS SPENT FUEL STORAGE/ REACTOR DECOMMISSIONING ANNUAL FEE | \$246,000 |
| TOTAL ANNUAL FEE PER LICENSE | \$ 5,050,000 |

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

(Dollars in thousands)

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

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

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

Notes:

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

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

Consumer Price Index* Trend Analysis

| Year | Jan | Feb | Mar | Apr | May | June | July | Aug | Sep | Oct | Nov | Dec | Average | Operating Reactor Annual Fee 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 |
| Average | 1.7 | 1.5 | 1.5 | 1.4 | 1.4 | 1.4 | 1.5 | 1.5 | 1.5 | 1.6 | 1.6 | 1.6 | 1.5 | |

*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 2021, budgeted costs of approximately \$30.1 million for spent fuel storage/reactor decommissioning are to be recovered through annual fees assessed to part 50 power reactor licensees, and to part 72 licensees who do not hold a part 50 license. Those reactor licensees that have ceased operations and have no fuel onsite are not subject to these annual fees. The required annual fee recovery amount is divided equally among 122 licensees, resulting in a FY 2021 annual fee of \$246,000 per licensee.

| FY 2021 MISSION DIRECT BUDGETED RESOURCES | | | | SPENT FUEL STORAGE/ REACTOR DECOMM. | |
|---|--|-----------|---------|--|---------|
| | | TOTAL | | ALLOCATIONS | |
| | | CONTRACT | | CONTRACT | |
| | | \$,K | FTE | \$,K | FTE |
| NUCLEAR REACTOR SAFETY | | 78,023.0 | 1,700.0 | 1.4 | 0.5 |
| NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund) | | 24,584.0 | 441.0 | 4,628.0 | 86.0 |
| CORPORATE | | 156,722.0 | 588.0 | 0.0 | 0.0 |
| INSPECTOR GENERAL(no DNSFB) | | 1,621.0 | 58.0 | | |
| SUBTOTAL - FEE BASE RESOURCE | | 260,950.0 | 2,787.0 | 4,629.4 | 86.5 |
| Figures below in \$, M (unless otherwise indicated) | | | | | |
| (1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below) | | | | | 42.2 |
| (2) LESS ESTIMATED PART 170 FEE COLLECTIONS | | | | | 12.4 |
| (3) PART 171 ALLOCATIONS (equals 1 - 2) | | | | | 29.8 |
| (4) GENERIC TRANSPORTATION RESOURCES (allocated) | | | | | 0.8 |
| (5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4) | | | | | 30.7 |
| (6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5) | | | | | 43.0 |
| (7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity) | | | | | 6.00% |
| (8) LLW Surcharge | | | | | 0.0 |
| (9) LLW Surcharge per licensee | | | | | |
| (10) Part 171 billing adjustments | | | | | -0.6 |
| (11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3) | | | | | 0.000 |
| (12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11) | | | | | 30.1 |
| (13) Number of Licensees | | | | | 122 |
| (14) Fee Per License (equals 12/13) | | | | | 0.246 |
| unrounded annual fee amount per license, actual \$ | | | | | 246,407 |
| rounded annual fee, actual \$ | | | | | 246,000 |
| FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations | | 434,811 | | | |

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

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

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

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

SPENT FUEL STORAGE/REACTOR DECOMMISSIONING
ANNUAL FEE
FY 2021

LICENSES SUBJECT TO THE ANNUAL FEE:

Operating Power Reactor Licensees: 93

Power Reactors in Decommissioning or Possession Only Status with
Fuel Onsite

| Reactor | Docket No. |
|----------------------|------------|
| Big Rock Point | 50-155 |
| Indian Point, Unit 1 | 50-003 |
| Dresden, Unit 1 | 50-010 |
| Haddam Neck | 50-213 |
| Humboldt | 50-133 |
| La Crosse | 50-409 |
| Maine Yankee | 50-309 |
| Millstone 1 | 50-245 |
| Rancho Seco | 50-312 |
| San Onofre, Unit 1 | 50-206 |
| Yankee Rowe | 50-029 |
| Zion 1 | 50-295 |
| Zion 2 | 50-304 |
| Crystal River 3 | 50-302 |
| Kewaunee | 50-305 |
| San Onofre, Unit 2 | 50-361 |
| San Onofre, Unit 3 | 50-362 |
| Vermont Yankee | 50-271 |
| Fort Calhoun | 50-285 |
| Oyster Creek | 50-219 |
| Pilgrim | 50-293 |
| Three Mile Island | 50-289 |
| Indian Point Unit 2 | 50-247 |
| Indian Point Unit 3 | 50-286 |
| Duane Arnold | 50-331 |

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

Part 72 Licensees without a Part 50 License

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

Total Part 72 licenses: 4

The annual fee is determined by dividing the total budgeted costs of approximately \$30.1 million (including the fee-relief activities) by the total number of licensees (122). This results in an annual fee (rounded) of \$246,000 per license.

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

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

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

\$ 21,450.6

Total Business Line Budget (BL)

\$ 6,642.0

\$ 21,450.6

=

\$ 26,446.6

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

Deductions from BL resources

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

Increases from Other resources

| | | |
|---------------------------------------|--------------|-------------|
| International Activities ⁴ | 0.0 | 0.0 |
| Licensing ^{4, 5} | 829.0 | 8.0 |
| Oversight ⁴ | 9.4 | 7.5 |
| Rulemaking ⁴ | 0.0 | 0.2 |
| Training ⁴ | 157.0 | 1.2 |
| | 995.4 | 16.9 |

BL resources w/ fee rule allocations

\$ 4,629.4

86.5

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

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

\$ 37,611.2

Total Fee Class Budget

\$ 4,629.4

\$ 37,611.2

=

\$ 42,240.60

Variances

\$ (2,012.6)

(15.5)

\$ 16,160.6

=

\$ 15,794.0

Notes:

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

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

Part 171 Annual Fees

Fuel Facilities

Section III.B.2.c

Table VIII

Table IX

Table X

The FY 2021 budgeted cost to be recovered in the annual fees assessment to the fuel facility class of licenses [which includes licensees in fee categories 1.A.(1)(a), 1.A.(1)(b), 1.A.(2)(a), 1.A.(2)(b), 1.A.(2)(c), 1.E., and 2.A.(1), under §171.16] is approximately \$17.2 million. This value is based on the full cost of budgeted resources associated with all activities that support this fee class, which is reduced by estimated part 170 collections and adjusted for allocated generic transportation resources, and the low-level waste surcharge.

| FY 2021 MISSION DIRECT BUDGETED RESOURCES | | | | |
|--|------------------|----------------|----------------------------------|--|
| | TOTAL | | FUEL FACILITY ALLOCATIONS | |
| | CONTRACT | | CONTRACT | |
| | \$,K | FTE | \$,K | FTE |
| NUCLEAR REACTOR SAFETY | 78,023.0 | 1,700.0 | 0.0 | 0.0 |
| NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund) | 24,584.0 | 441.0 | 1,762.0 | 49.6 |
| CORPORATE | 156,722.0 | 588.0 | 0.0 | 0.0 |
| INSPECTOR GENERAL(no DNSFB) | 1,621.0 | 58.0 | | |
| SUBTOTAL - FEE BASE RESOURCE | 260,950.0 | 2,787.0 | 1,762.0 | 49.6 |
| Figures below in \$, M (unless otherwise indicated) | | | | |
| (1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below) | | | | 23.3 |
| (2) LESS ESTIMATED PART 170 FEE COLLECTIONS | | | | 7.4 |
| (3) PART 171 ALLOCATIONS (equals 1 - 2) | | | | 16.0 |
| (4) GENERIC TRANSPORTATION RESOURCES (allocated) | | | | 1.2 |
| (5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4) | | | | 17.2 |
| (6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5) | | | | 24.5 |
| (7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity) | | | | 3.42% |
| (8) LLW Surcharge | | | | 0.3 |
| (9) LLW Surcharge per licensee | | | | |
| (10) Part 171 billing adjustments | | | | -0.3 |
| (11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3) | | | | 0.000 |
| (12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11) | | | | 17.2 |
| (13) Number of Licensees | | | | different for different categories of licenses; see other worksheets |
| (14) Fee Per License (equals 12/13) | | | | |
| unrounded annual fee amount per license, actual \$ | | | | |
| rounded annual fee, actual \$ | | | | |
| FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations | 434,811 | | | |

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

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

**FUEL FACILITY ANNUAL FEES
FY 2021**

| | |
|---------------------------|---------------------|
| Part 171 Amount | \$17,181,785 |
| Less Billing Adjustment | -338,597 |
| Less Recession Adjustment | 0 |
| TOTAL | <u>\$16,843,188</u> |

| | <u>SAFETY</u> | <u>SAFEGUARDS</u> | <u>TOTAL</u> | <u>LLW</u> | <u>TOTAL ANNUAL FEE</u> |
|---|---------------|-------------------|--------------|------------|-------------------------|
| Allocation of Part 171 Amount to Safety/Safeguards | \$9,586,846 | \$7,256,342 | \$16,843,188 | \$336,108 | \$17,179,296 |

EFFORT FACTORS

| <u>FEE CATEGORY</u> | <u>NUMBER OF LICENSES</u> | <u>Safety</u> | | <u>Safeguards</u> | | <u>Total</u> | |
|---|----------------------------------|----------------------|----------|--------------------------|----------|---------------------|----------|
| | | | % | | % | | % |
| 1A(1)(a) SSNM (HEU) | 2 | 88 | 48.6% | 91 | 66.4% | 179 | 56.3% |
| 1A(1)(b) SNM (LEU) | 3 | 70 | 38.7% | 21 | 15.3% | 91 | 28.6% |
| 1A(2)(a) LIMITED OPS (Paducah) | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 1A(2)(b) OTHERS (Gas centrifuge enrichment demonstration) | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 1A(2)(c) OTHERS (hot cell facility) | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 1E ENRICHMENT | 1 | 16 | 8.8% | 23 | 16.8% | 39 | 12.3% |
| 2A(1) UF6 (Honeywell) | 1 | 7 | 3.9% | 2 | 1.5% | 9 | 2.8% |
| TOTAL | <u>7</u> | <u>181</u> | 100.0% | <u>137</u> | 100% | <u>318</u> | 100% |
| | | % of total | 56.9% | 43.1% | | | |

ALLOCATION to CATEGORY

| <u>Fee Category</u> | | (1) | (2) | (3) | (4) | (5) <u>TOTAL ANNUAL FEE PER LICENSE</u> |
|---|----------|--------------------|--------------------|---------------------|------------------|--|
| 1A(1)(a) SSNM (HEU) | 2 | \$4,661,008 | \$4,819,906 | \$9,480,914 | \$189,193 | \$4,835,054 |
| 1A(1)(b) SNM (LEU) | 3 | 3,707,620 | 1,112,286 | 4,819,906 | \$96,182 | \$1,638,696 |
| 1A(2)(a) LIMITED OPS (Paducah) | 0 | 0 | 0 | 0 | \$0 | \$0 |
| 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 | 847,456 | 1,218,218 | 2,065,674 | \$41,221 | \$2,106,895 |
| 2A(1) UF6 (Honeywell) | 1 | 370,762 | 105,932 | 476,694 | \$9,513 | \$486,207 |
| | <u>7</u> | <u>\$9,586,846</u> | <u>\$7,256,342</u> | <u>\$16,843,188</u> | <u>\$336,108</u> | |

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

Col 3 = Col 1 + Col 2

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

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

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

| CATEGORY | LICENSEE | DOCKET | FEE CATEGORY | PROCESSES | | | | | | | | | | | | | | | | | | SUBTOTALS | | TOTAL | | |
|--------------------------|-----------------------------------|----------|--------------|-----------------|----|------------|----|------------|----|----------------|----|-------------------|----|--------|----|------------|----|-------------|----|----------|----|-----------------------|----|-------|----|----|
| | | | | SOLID UF6/METAL | | ENRICHMENT | | LIQUID UF6 | | HEU DOWN BLEND | | CONVERSION POWDER | | PELLET | | ROD/BUNDLE | | SCRAP/WASTE | | HOT CELL | | SENSITIVE INFORMATION | | | | |
| | | | | S | SG | S | SG | S | SG | S | SG | S | SG | S | SG | S | SG | S | SG | S | SG | S | SG | | S | SG |
| Fuel Fabrication (HEU) | BWXT (SNM-42) | 70-00027 | 1A(1)(a) | 10 | 10 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 10 | 5 | 5 | 5 | 10 | 5 | 1 | 1 | 1 | 10 | 47 | 46 | 93 |
| | NFS (SNM-124) | 70-00143 | 1A(1)(a) | 10 | 10 | 0 | 0 | 0 | 0 | 10 | 10 | 10 | 10 | 0 | 0 | 0 | 0 | 10 | 5 | 0 | 0 | 1 | 10 | 41 | 45 | 86 |
| Uranium Enrichment | LES (SNM-2010) | 70-03103 | 1E | 5 | 1 | 5 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 10 | 16 | 23 | 39 |
| | Centrus ACP (SNM-2011)* | 70-07004 | 1E | 1 | 1 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 10 | - | - | - |
| | Global Laser Enrich (SNM-2019)* | 70-07016 | 1E | 5 | 1 | 5 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 10 | - | - | - |
| Fuel Fabrication (LEU) | Global Nuclear Fuels (SNM-1097) | 70-01113 | 1A(1)(b) | 5 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 5 | 1 | 5 | 1 | 1 | 1 | 5 | 1 | 0 | 0 | 1 | 1 | 24 | 7 | 31 |
| | Framatome (SNM-1227) | 70-01257 | 1A(1)(b) | 5 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 5 | 1 | 5 | 1 | 1 | 1 | 5 | 1 | 0 | 0 | 1 | 1 | 23 | 7 | 30 |
| | Westinghouse (SNM-1107) | 70-01151 | 1A(1)(b) | 5 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 5 | 1 | 5 | 1 | 1 | 1 | 5 | 1 | 0 | 0 | 1 | 1 | 23 | 7 | 30 |
| UF6 Conversion | Honeywell (SUB-526) | 40-03392 | 2A(1) | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 7 | 2 | 9 |
| | International Isotopes (SUB-1011) | 40-09086 | 2A(1) | 5 | 1 | 0 | 0 | 5 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | - | - | - |
| Enrichment Demonstration | None | | 1A(2)(b) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hot Cell | None | | 1A(2)(c) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Not in op.
Not in op.

Not in op.

S = Safety HIGH = 10
 SG = Safeguards MODERATE = 5
 LOW = 1
 NONE = 0

TOTALS 181 137 318

Changes from Prior Year:

No Changes 1
 New Addition 0

- Notes:
- 1 Centrus ACP is licensed, but not operating. Expect to issue amendment authorizing higher enrichment 6/2/2021. Expect operational readiness review inspection June-July 2021.
 - 2 Centrus effort factors less than LES because it is a much smaller facility processing a much smaller amount of material. In addition, there will be no liquid sampling.
 - 3 Global Laser Enrichment is licensed, but not proceeding with construction.
 - 4 International Isotopes is licensed, but not proceeding with construction.
 - 5 Honeywell effort factors for Liquid UF6 reduced to zero while in idle status.

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

Division Director, DFM

Reconciliation of Fuel Facilities Business Line vs. Fee Class

(Dollars in thousands)

Fuel Facilities Business Line (CBJ)

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

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

\$ 14,614.6

Total Business Line Budget (BL)

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

Fuel Facilities Fee Class (Proposed Fee Rule)

Deductions from BL resources

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

Increases from Other BL resources

| | | |
|--|--------------|------------|
| Oversight ⁴ | 5.0 | 0.0 |
| State/Tribal/Federal Programs ⁴ | 0.0 | 0.4 |
| Training ⁴ | 0.0 | 0.2 |
| | \$5.0 | 0.6 |

BL resources w/ fee rule allocations

\$ 1,762.0 49.6

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

\$ 21,566.6

Total Fee Class Budget

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

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

Notes:

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

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

Part 171 Annual Fees

Uranium Recovery Facilities

Section III.B.2.d

Table XI

Table XII

Table XIII

Table XIV

The total FY 2021 budgeted cost to be recovered through annual fees assessed to the uranium recovery class [which includes fee categories 2.A.(2)(a), 2.A.(2)(b), 2.A.(2)(c), 2.A.(2)(d), 2.A.(2)(e), 2.A.(3), 2.A.(4), 2.A.(5) and 18.B., under § 171.16], is approximately \$126,000 (rounded).

Of the required annual fee collections, \$81,000 is assessed to DOE's Uranium Mill Tailings Radiation Control Act (UMTRCA) under fee category 18.B. The remaining \$45,900 (rounded) would be recovered through annual fees assessed to the other licensees in this fee class (i.e., conventional mills, in-situ recovery facilities, 11e.(2) mill tailings disposal facilities (incidental to existing tailings sites.)

| FY 2021 MISSION DIRECT BUDGETED RESOURCES | | | | |
|--|------------------|----------------|-------------------------------------|--|
| | TOTAL | | URANIUM RECOVERY ALLOCATIONS | |
| | CONTRACT | | CONTRACT | |
| | \$.K | FTE | \$.K | FTE |
| NUCLEAR REACTOR SAFETY | 78,023.0 | 1,700.0 | 0.0 | 0.0 |
| NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund) | 24,584.0 | 441.0 | 25.0 | 1.0 |
| CORPORATE | 156,722.0 | 588.0 | 0.0 | 0.0 |
| INSPECTOR GENERAL(no DNSFB) | 1,621.0 | 58.0 | | |
| SUBTOTAL - FEE BASE RESOURCE | 260,950.0 | 2,787.0 | 25.0 | 1.0 |
| Figures below in \$, M (unless otherwise indicated) | | | | |
| (1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below) | | | | 0.46 |
| (2) LESS ESTIMATED PART 170 FEE COLLECTIONS | | | | 0.33 |
| (3) PART 171 ALLOCATIONS (equals 1 - 2) | | | | 0.13 |
| (4) GENERIC TRANSPORTATION RESOURCES (allocated) | | | | |
| (5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4) | | | | 0.1 |
| (6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5) | | | | 0.5 |
| (7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity) | | | | 0.06% |
| (8) LLW Surcharge | | | | 0.0 |
| (9) LLW Surcharge per licensee | | | | |
| (10) Part 171 billing adjustments | | | | 0.0 |
| (11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3) | | | | 0.00 |
| (12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11) | | | | 0.13 |
| (13) Number of Licensees | | | | different for different categories of licenses; see other worksheets |
| (14) Fee Per License (equals 12/13) | | | | |
| unrounded annual fee amount per license, actual \$ | | | | |
| rounded annual fee, actual \$ | | | | |
| FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations | | | 434,811 | |

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

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

**URANIUM RECOVERY ANNUAL FEES
FY 2021**

| | | |
|---------------------------|--------------|-----------|
| TOTAL ANNUAL FEE AMOUNT : | TOTAL | \$126,467 |
| TOTAL ADJUSTMENT: | | 0 |
| TOTAL: | | \$126,467 |

**GROUP 1
Calculation of DOE Annual Fee**

| <u>Fee Category</u> | <u>contract \$</u> | <u>FTE</u> | <u>FTE Rate</u> | <u>Less: Part 170 Receipts</u> | <u>Total Fee</u> |
|---|--------------------|------------|-----------------|--------------------------------|------------------|
| 18.B. DOE UMTRCA Budgeted Costs: | \$0 | 0.80 | \$434,811 | -\$272,407 | \$75,442 |
| 10% x (Total Annual Fee Amount less UMTRCA) | | | | | \$5,103 |
| | | | | <u>Total:</u> | <u>\$80,544</u> |
| | | | | DOE's Annual Fee Rounded: | \$81,000 |

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

| | |
|------------------------------|-----------------|
| | <u>FY 2021</u> |
| | <u>Total</u> |
| | <u>Fee</u> |
| Remaining Annual Fee Amount: | <u>\$45,923</u> |
| <u>Total:</u> | <u>\$45,923</u> |

CALCULATION OF ANNUAL FEE AMOUNTS BY CATEGORY:

| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | |
|---|---------------------|---------------------------|-------------------------|----------------------------|----------------|------------------------------|-------------------------------|--------------|-----------------------------------|
| <u>Type of Site</u> | <u>Fee Category</u> | <u>Number of Licenses</u> | <u>Category Benefit</u> | <u>Total Benefit Value</u> | <u>Percent</u> | <u>Total base annual fee</u> | <u>Annual Fee Per License</u> | | <u>FY 2021 Annual Fee Rounded</u> |
| | | | | | | <u>Base</u> | <u>Adjustments</u> | <u>Total</u> | |
| Conventional & Heap Leach Mills | 2.A.(2)(a) | 0 | - | - | 0% | \$0 | \$0 | \$0 | \$0 |
| Basic In-situ Recovery Facilities | 2.A.(2)(b) | 1 | 190 | 190 | 100% | \$45,923 | \$45,923 | \$0 | \$45,923 |
| Expanded In-situ Recovery Facilities | 2.A.(2)(c) | 0 | - | - | 0% | \$0 | \$0 | \$0 | \$0 |
| In-situ Recovery Resin Facilities | 2.A.(2)(d) | 0 | - | - | 0% | \$0 | N/A | N/A | N/A |
| Resin Toll Milling Facilities | 2.A.(2)(e) | 0 | - | - | 0% | \$0 | 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 |
| Disposal Incident to Operation at Licensed Facilities | 2.A.(4) | 0 | - | - | 0% | \$0 | \$0 | \$0 | \$0 |
| Uranium Water Treatment Facility | 2.A.(5) | 0 | - | - | 0% | \$0 | \$0 | \$0 | \$0 |
| TOTAL | | <u>1</u> | <u>190</u> | <u>190</u> | <u>100%</u> | <u>\$45,923</u> | | | |

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

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

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

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

| Product Lines | Contract \$ | FTE |
|-------------------------------|-------------------|-------------|
| Event Response | 0.0 | 0.0 |
| Generic Homeland Security | 0.0 | 0.0 |
| International Activities | 75.0 | 3.0 |
| Licensing | 2,451.0 | 39.0 |
| Oversight | 50.0 | 17.0 |
| Research | 610.0 | 1.0 |
| Rulemaking | 50.0 | 7.0 |
| Mission Support/Supervisors | 0.0 | 13.0 |
| State/Tribal/Federal Programs | 0.0 | 0.0 |
| Training | 440.0 | 2.0 |
| Travel | 816.0 | 0.0 |
| Total | \$ 4,492.0 | 82.0 |

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

\$ 17,121.6

Total Business Line Budget (BL)

\$ 4,492.0

\$ 17,121.6 =

\$ 21,613.6

Uranium Recovery Fee Class (Proposed Fee Rule)

Deductions from BL resources

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

Increases from Other resources

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

BL resources w/ fee rule allocations

\$ 25.0

1.0

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

\$ 434.8

Total Fee Class Budget

\$ 25.0

\$ 434.8 =

\$ 459.80

Variances

\$ (4,467.0)

(81.0)

\$ (16,686.8)

\$ (21,153.8)

Notes:

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

Increases include: resources allocated from other Business Lines ⁴ (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 \$315,000 in budgeted costs is to be recovered through annual fees assessed to the non-power production or utilization facilities (NPUF) class of licenses for FY 2021. This required annual fee recovery amount is divided equally among the four NPUF licensees subject to annual fees, and results in a FY 2021 annual fee of \$78,700 for each licensee.

| FY 2021 MISSION DIRECT BUDGETED RESOURCES | | | | NON POWER PRODUCTION OR UTILIZATION FACILITIES | |
|--|--|-----------|---------|---|----------|
| | | TOTAL | | ALLOCATIONS | |
| | | CONTRACT | | CONTRACT | |
| | | \$,K | FTE | \$,K | FTE |
| NUCLEAR REACTOR SAFETY | | 78,023.0 | 1,700.0 | 35.0 | 9.1 |
| NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund) | | 24,584.0 | 441.0 | 1.0 | 0.0 |
| CORPORATE | | 156,722.0 | 588.0 | 0.0 | 0.0 |
| INSPECTOR GENERAL(no DNSFB) | | 1,621.0 | 58.0 | | |
| SUBTOTAL - FEE BASE RESOURCE | | 260,950.0 | 2,787.0 | 36.0 | 9.1 |
| Figures below in \$, M (unless otherwise indicated) | | | | | |
| (1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below) | | | | | 3.993 |
| (2) LESS ESTIMATED PART 170 FEE COLLECTIONS | | | | | 3.655 |
| (3) PART 171 ALLOCATIONS (equals 1 - 2) | | | | | 0.338 |
| (4) GENERIC TRANSPORTATION RESOURCES (allocated) | | | | | 0.033 |
| (5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4) | | | | | 0.370 |
| (6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5) | | | | | 4.025 |
| (7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity) | | | | | 0.56% |
| (8) LLW Surcharge | | | | | 0.000 |
| (9) LLW Surcharge per licensee | | | | | |
| (10) Part 171 billing adjustments | | | | | -0.056 |
| (11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3) | | | | | 0.000 |
| (12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11) | | | | | 0.314827 |
| (13) Number of Licensees | | | | | 4 |
| (14) Fee Per License (equals 12/13) | | | | | 0.0787 |
| unrounded annual fee amount per license, actual \$ | | | | | 78,707 |
| rounded annual fee, actual \$ | | | | | 78,700 |
| FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations | | 434,811 | | | |

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

| | FY21 | | FY20 | | Difference | |
|---|-----------------|------------|-----------------|------------|-----------------|------------|
| | Contract (\$,K) | FTE | Contract (\$,K) | FTE | Contract (\$,K) | FTE |
| PROGRAM: NUCLEAR REACTOR SAFETY | | | | | | |
| BUSINESS LINE: NEW REACTORS | | | | | | |
| <i>PRODUCT LINE/ PRODUCTS:</i> | | | | | | |
| Oversight | | | | | | |
| Allegations & Investigations | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Construction Inspection | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Emergency Preparedness | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Enforcement | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Mission IT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Part 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Security | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Vendor Inspection | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Training | | | | | | |
| Mission Training | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NSPDP Training | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Direct Resources | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PROGRAM: NUCLEAR REACTOR SAFETY | | | | | | |
| BUSINESS LINE: OPERATING REACTORS | | | | | | |
| <i>PRODUCT LINE/PRODUCTS:</i> | | | | | | |
| Licensing | | | | | | |
| Emergency Preparedness | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Generic Issues Program | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Japan Lessons Learned | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| License Renewal | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Licensing Actions | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Licensing Support | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Mission IT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Operator Licensing | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Research & Test Reactors | 30.0 | 7.1 | 43.0 | 8.1 | (13.0) | (1.0) |
| Security | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Oversight | | | | | | |
| Allegations & Investigations | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Emergency Preparedness | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Enforcement | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Event Evaluation | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Inspection | 0.0 | 1.8 | 0.0 | 0.4 | 0.0 | 1.4 |
| Mission IT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Research & Test Reactor Insp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Rulemaking | | | | | | |
| Rulemaking (PL) | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 |
| Training | | | | | | |
| Mission Training | 5.0 | 0.0 | 24.0 | 0.0 | (19.0) | 0.0 |
| NSPDP Training | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Direct Resources | 35.0 | 9.1 | 67.0 | 8.5 | (32.0) | 0.6 |
| Grand Total Nuclear Reactor Safety | 35.0 | 9.1 | 67.0 | 8.5 | (32.0) | 0.6 |
| PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY | | | | | | |
| BUSINESS LINE: FUEL FACILITIES | | | | | | |
| <i>PRODUCT LINE/PRODUCTS:</i> | | | | | | |
| Total Direct Resources | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY | | | | | | |
| BUSINESS LINE: NUCLEAR MATERIALS USERS | | | | | | |
| <i>PRODUCT LINE/PRODUCTS:</i> | | | | | | |
| Oversight | | | | | | |
| Inspection | 1.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 |
| Training | | | | | | |
| Mission Training | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Direct Resources | 1.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 |
| PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY | | | | | | |
| BUSINESS LINE: DECOMMISSIONING AND LOW LEVEL WASTE | | | | | | |
| <i>PRODUCT LINE/PRODUCTS:</i> | | | | | | |
| Total Direct Resources | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PROGRAM: NUCLEAR MATERIALS AND WASTE SAFETY | | | | | | |
| BUSINESS LINE: SPENT FUEL STORAGE AND TRANSPORTATION | | | | | | |
| <i>PRODUCT LINE/PRODUCTS:</i> | | | | | | |
| Total Direct Resources | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Grand Total Nuclear Materials & Waste Safety | 1.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 |
| TOTAL NON POWER PRODUCTION OR UTILIZATION FACILITY | 36.0 | 9.1 | 67.5 | 8.5 | (31.5) | 0.6 |
| Total value of budgeted resources for fee class(mission direct FTE x full cost of FTE + mission direct contract \$) | 3,992.8 | | 3,650.0 | | 342.8 | |

NON POWER PRODUCTION OR UTILIZATION FACILITIES (NPUF)

FY 2021 FEE RULE

DETERMINATION OF THE FY 2021 ANNUAL FEE:

NON POWER PRODUCTION OR UTILIZATION FACILITIES SUBJECT TO ANNUAL FEES (See note)

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

DETERMINATION OF ANNUAL FEE

BUDGETED COSTS \$314,827

ANNUAL FEE PER LICENSE (rounded) \$78,700
(Budgeted costs divided by number of NPUF licensees subject to annual fee)

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

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

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

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

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

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

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

Deductions from BL resources

| | | |
|--|---------------------|------------------|
| Event Response ³ | (6,555.0) | \$ (45.0) |
| Generic Homeland Security ¹ | - | (8.0) |
| International Activities ¹ | - | (18.0) |
| Licensing ³ | (7,150.0) | (370.9) |
| Oversight ³ | (18,068.0) | (495.2) |
| Research ¹ | (30,193.0) | (121.0) |
| Rulemaking ³ | (400.0) | (32.8) |
| Mission Support/Supervisors ² | (2,365.0) | (324.0) |
| Training ³ | (4,112.0) | (46.0) |
| Travel ² | (12,901.0) | 0.0 |
| Total | (\$81,744.0) | (1,460.9) |

Increases from Other resources

| | | |
|--|--------------|------------|
| Oversight ⁴ | 1.0 | 0.0 |
| Rulemaking ⁴ | 0.0 | 0.0 |
| State/Tribal/Federal Programs ⁴ | 0.0 | 0.0 |
| Training ⁴ | 0.0 | 0.0 |
| Total | \$1.0 | 0.0 |

BL resources w/ fee rule allocations \$ 36.0 9.1

FTE fully costed rate \$434,811 times 9.1 FTEs (includes Salaries, Benefits, indirect resources& agency support) \$ 3,956.8

Total Fee Class Budget \$ 36.0 \$ 3,956.8 = \$ 3,992.80

Variances \$ (81,743.0) (1,461) \$(287,103.2) \$ (368,846.2)

Notes:

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

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

Part 171 Annual Fees

Rare Earth Facilities

Section III.B.2.f

During FY 2016 NRC did receive an application under the Rare Earth fee class 2.A. (2)(f). However, no FY 2021 budgetary resources were allocated to this fee class and did not require an annual fee to be established.

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

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

| FY 2021 MISSION DIRECT BUDGETED RESOURCES | | | | |
|---|--------------|---------|-------------------------------|--|
| | TOTAL | | RARE EARTH ALLOCATIONS | |
| | CONTRACT | | CONTRACT | |
| | \$,K | FTE | \$,K | FTE |
| NUCLEAR REACTOR SAFETY | 78,023.0 | 1,700.0 | 0.0 | 0.0 |
| NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund) | 24,584.0 | 441.0 | 0.0 | 0.0 |
| CORPORATE | 156,722.0 | 588.0 | 0.0 | 0.0 |
| INSPECTOR GENERAL(no DNSFB) | 1,621.0 | 58.0 | | |
| SUBTOTAL - FEE BASE RESOURCE | 260,950.0 | 2,787.0 | 0.0 | 0.0 |
| Figures below in \$, M (unless otherwise indicated) | | | | |
| (1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below) | | | | 0.00000 |
| (2) LESS ESTIMATED PART 170 FEE COLLECTIONS | | | | 0.00 |
| (3) PART 171 ALLOCATIONS (equals 1 - 2) | | | | 0.00 |
| (4) GENERIC TRANSPORTATION RESOURCES (allocated) | | | | |
| (5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4) | | | | 0.00 |
| (6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5) | | | | 0.00 |
| (7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity) | | | | 0.00% |
| (8) LLW Surcharge | | | | 0.000 |
| (9) LLW Surcharge per licensee | | | | |
| (10) Part 171 billing adjustments | | | | 0.00 |
| (11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3) | | | | 0.00 |
| (12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11) | | | | 0.0000 |
| (13) Number of Licensees | | | | |
| (14) Fee Per License (equals 12/13) | | | | different for different categories of licenses; see other worksheets |
| unrounded annual fee amount per license, actual \$ | | | | |
| rounded annual fee, actual \$ | | | | |
| FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations | 434,811 | | | |

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 \$35.1 million in FY 2021 budgeted costs to be recovered in annual fees assessed to the approximately 2,500 diverse materials users licensees, the NRC continues to calculate the annual fees for each fee category within this class based on the 10 CFR part 170 application fees and estimated inspection costs for each fee category. Because the application fees and inspection costs are indicative of the complexity of the material license, this approach provides a proxy for allocating the generic and other regulatory costs to the diverse fee categories. This fee calculation method also considers the inspection frequency (priority), which is indicative of the safety risk and resulting regulatory costs associated with the categories of licenses.

| FY 2021 MISSION DIRECT BUDGETED RESOURCES | | | | |
|--|------------------|----------------|------------------------------|--|
| | TOTAL | | MATERIALS ALLOCATIONS | |
| | CONTRACT | | CONTRACT | |
| | ,\$K | FTE | ,\$K | FTE |
| NUCLEAR REACTOR SAFETY | 78,023.0 | 1,700.0 | 26.0 | 0.0 |
| NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund) | 24,584.0 | 441.0 | 722.1 | 79.1 |
| CORPORATE | 156,722.0 | 588.0 | 0.0 | 0.0 |
| INSPECTOR GENERAL(no DNSFB) | 1,621.0 | 58.0 | | |
| SUBTOTAL - FEE BASE RESOURCE | 260,950.0 | 2,787.0 | 748.1 | 79.1 |
| Figures below in \$, M (unless otherwise indicated) | | | | |
| (1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below) | | | | 35.1 |
| (2) LESS ESTIMATED PART 170 FEE COLLECTIONS | | | | 1.0 |
| (3) PART 171 ALLOCATIONS (equals 1 - 2) | | | | 34.1 |
| (4) GENERIC TRANSPORTATION RESOURCES (allocated) | | | | 1.3 |
| (5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4) | | | | 35.4 |
| (6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5) | | | | 36.4 |
| (7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity) | | | | 4.01% |
| (8) LLW Surcharge | | | | 0.1 |
| (9) LLW Surcharge per licensee | | | | |
| (10) Part 171 billing adjustments | | | | -0.4 |
| (11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3) | | | | 0.000 |
| (12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11) | | | | 35.1 |
| (13) Number of Licensees | | | | |
| (14) Fee Per License (equals 12/13) | | | | different for different categories of licenses; see other worksheets |
| unrounded annual fee amount per license, actual \$ | | | | |
| rounded annual fee, actual \$ | | | | |
| FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations | | | | 434,811 |

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

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

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

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

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

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

\$ 38,692.5

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

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

Deductions from BL resources

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

Increases from Other BL resources

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

BL resources w/ fee rule allocations \$ 748.1 79.1

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

\$ 34,393.6

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

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

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

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

Part 171 Annual Fees

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 2021 MISSION DIRECT BUDGETED RESOURCES | | | | |
|--|--------------|---------|-----------------------------------|-------------|
| | | | TRANSPORTATION ALLOCATIONS | |
| | TOTAL | | TRANSPORTATION ALLOCATIONS | |
| | CONTRACT | | CONTRACT | |
| | \$,K | FTE | \$,K | FTE |
| NUCLEAR REACTOR SAFETY | 78,023.0 | 1,700.0 | 1.2 | 0.1 |
| NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund) | 24,584.0 | 441.0 | 1,245.0 | 16.0 |
| CORPORATE | 156,722.0 | 588.0 | 0.0 | 0.0 |
| INSPECTOR GENERAL(no DNSFB) | 1,621.0 | 58.0 | | |
| SUBTOTAL - FEE BASE RESOURCE | 260,950.0 | 2,787.0 | 1,246.2 | 16.1 |
| Figures below in \$, M (unless otherwise indicated) | | | | |
| (1) FY 2021 ALLOCATIONS: equals \$, K + FTE*FTE rate (shown below) | | | | 8.2 |
| (2) LESS ESTIMATED PART 170 FEE COLLECTIONS | | | | 3.6 |
| (3) PART 171 ALLOCATIONS (equals 1 - 2) | | | | 4.6 |
| (4) GENERIC TRANSPORTATION RESOURCES (allocated) | | | | -3.6 |
| (5) NET PART 171 ALLOCATIONS (after transportation allocated)(equals 3+4) | | | | 1.1 |
| (6) FY 2021 TOTAL ALLOCATIONS (after transportation allocation) (equals 2+5) | | | | 4.7 |
| (7) % OF BUDGET (% total allocations, excl. fee-relief activities, import/export alloc, small entity) | | | | 0.652% |
| (8) LLW Surcharge | | | | 0.0 |
| (9) LLW Surcharge per licensee | | | | |
| (10) Part 171 billing adjustments | | | | -0.1 |
| (11) Adjustments: Current Year Collections from Terminated Reactor (Indian Pt 3) | | | | 0.0 |
| (12) TOTAL FY 2021 ANNUAL FEE (equals 5+8+10+11) | | | | 1.0 |
| (13) Number of Licensees | | | | 1 |
| (14) Fee Per License (equals 12/13) | | | | 0.996080 |
| | | | | (DOE's fee) |
| unrounded annual fee amount per license, actual \$ | | | | 996,080 |
| rounded annual fee, actual \$ | | | | 996,000 |
| FTE FULLY COSTED RATE (average based on budget data, actual \$): See Determination of Hourly Rate for calculations | | | 434,811 | |

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

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

TRANSPORTATION ANNUAL FEES

FY 2021

The total transportation budgeted costs of \$4,628,660 to be recovered from annual fees (not including fee-relief adjustments) is to be obtained from two sources:

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

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

| Fee Class | # CoCs | % CoCs | Transportation Resources to be included in annual fees | Resources in Millions |
|--------------------------|--------|--------|--|-----------------------|
| DOE | 21.00 | 22.9% | \$1,060,633 | \$1.1 |
| Operating Reactors | 5.00 | 5.5% | \$252,532 | \$0.3 |
| Spent fuel/reactor decom | 16.00 | 17.5% | \$808,101 | \$0.8 |
| T&R reactors | 0.65 | 0.7% | \$32,585 | \$0.0 |
| Fuel Facilities | 24.00 | 26.2% | \$1,212,152 | \$1.2 |
| Materials Users | 25.00 | 27.3% | \$1,262,658 | \$1.3 |
| Total | 91.65 | 100.0% | \$4,628,660 | \$4.6 |

FY 2021 fee rule

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

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

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

| Product Lines | Contract \$ | FTE |
|-------------------------------|-------------------|--------------|
| Event Response | 0.0 | 0.0 |
| Generic Homeland Security | 0.0 | 0.0 |
| International Activities | 0.0 | 1.0 |
| Licensing | 3,814.0 | 61.0 |
| Oversight | 0.0 | 13.0 |
| Research | 1,877.0 | 4.0 |
| Rulemaking | 0.0 | 6.0 |
| Mission Support/Supervisors | 0.0 | 15.0 |
| State/Tribal/Federal Programs | 0.0 | 0.0 |
| Training | 308.0 | 2.0 |
| Travel | 643.0 | 0.0 |
| | <u>\$ 6,642.0</u> | <u>102.0</u> |

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

\$ 21,450.6

Total Business Line Budget (BL)

\$ 6,642.0

\$ 21,450.6 =

\$ 26,446.6

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

Deductions from BL resources

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

Increases from Other resources

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

BL resources w/ fee rule allocations

\$ 1,246.2

16.1

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

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

\$ 7,002.5

Total Fee Class Budget

\$ 1,246.2

\$ 7,002.5 =

\$ 8,248.70

Variances

\$ (5,395.8)

(85.9)

\$ (14,448.1)

\$ (18,197.9)

Notes:

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

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

Regulatory Flexibility Analysis

Section 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 2021 Small Entity Compliance Guide”.

Licensees may use this guide to determine whether they qualify as a small entity under NRC regulations and are eligible to pay reduced FY 2021 annual fees assessed under 10 CFR part 171. The NRC has established two tiers of annual fees for those materials licensees who qualify as small entities under the NRC’s size standards.

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

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

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

Prior Year 21% ceilin Increase Rounded Fee

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

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

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

Budget Authority (FY 2021)

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

CROSSWALK OF BUSINESS LINES’ ALLOCATION TO FEE CLASSES*

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

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

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

Budget Authority (FY 2021)

FY 2021 Budget Summary by Program

This report is provided as supplemental information. It provides a summary of the FY 2021 budgeted FTE and contract dollars allocated to each fee class and fee-relief/surcharge activities at the Program level. The Programs include: 1) Nuclear Reactor Safety, 2) Nuclear Materials & Waste Safety, 3) Corporate Support, and 4) Inspector General.

| FY 2021 MISSION DIRECT BUDGETED RESOURCES | TOTAL | | POWER REACTORS ALLOCATIONS | | SPENT FUEL STORAGE/ REACTOR DECOMM. ALLOCATIONS | | NON POWER PRODUCTION OR UTILIZATION FACILITIES ALLOCATIONS | | FUEL FACILITY ALLOCATIONS | | MATERIALS ALLOCATIONS | | TRANSPORTATION ALLOCATIONS | |
|--|-----------|---------|----------------------------|---------|---|------|--|-----|---------------------------|------|-----------------------|------|----------------------------|------|
| | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | |
| | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE |
| | | | | | | | | | | | | | | |
| NUCLEAR REACTOR SAFETY | 78,023.0 | 1,700.0 | 59,371.4 | 1,268.9 | 1.4 | 0.5 | 35.0 | 9.1 | 0.0 | 0.0 | 26.0 | 0.0 | 1.2 | 0.1 |
| NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund) | 24,584.0 | 441.0 | 91.0 | 1.4 | 4,628.0 | 86.0 | 1.0 | 0.0 | 1,762.0 | 49.6 | 722.1 | 79.1 | 1,245.0 | 16.0 |
| CORPORATE | 156,722.0 | 588.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| INSPECTOR GENERAL(no DNSFB) | 1,621.0 | 58.0 | | | | | | | | | | | | |
| SUBTOTAL - FEE BASE RESOURCE | 260,950.0 | 2,787.0 | 59,462.4 | 1,270.3 | 4,629.4 | 86.5 | 36.0 | 9.1 | 1,762.0 | 49.6 | 748.1 | 79.1 | 1,246.2 | 16.1 |

| FY 2021 MISSION DIRECT BUDGETED RESOURCES | INCLUDED IN | | | | | | | | | | | | | | | |
|--|-------------|---------|------------------------------|-----|------------------------|-----|---------------------------|-----|-----------------------------------|-------|---|---------|-------------------------|------|--------------------------|------|
| | TOTAL | | URANIUM RECOVERY ALLOCATIONS | | RARE EARTH ALLOCATIONS | | IMPORT/EXPORT ALLOCATIONS | | INCLUDED IN FEE-RELIEF ACTIVITIES | | PROFESSIONAL HOURLY & FTE RATE (overhead) | | NONPROFIT ED. EXEMPTION | | INTERNATIONAL ACTIVITIES | |
| | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | |
| | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE |
| NUCLEAR REACTOR SAFETY | 78,023.0 | 1,700.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 617.0 | 50.4 | 17,971.0 | 371.0 | 302.0 | 15.9 | 116.0 | 21.0 |
| NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund) | 24,584.0 | 441.0 | 25.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11,740.9 | 114.4 | 4,269.0 | 86.0 | 19.9 | 4.8 | 5,404.0 | 23.0 |
| CORPORATE | 156,722.0 | 588.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 156,722.0 | 588.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| INSPECTOR GENERAL(no DNSFB) | 1,621.0 | 58.0 | | | | | | | | | 1,621.0 | 58.0 | | | | |
| SUBTOTAL - FEE BASE RESOURCE | 260,950.0 | 2,787.0 | 25.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12,357.9 | 164.8 | 180,583.0 | 1,103.0 | 321.9 | 20.7 | 5,520.0 | 44.0 |

| FY 2021 MISSION DIRECT BUDGETED RESOURCES | | | AGREEMENT | | AGREEMENT | | ISL RULE/ | | GENERIC | | MILITARY RADIUM | | PUBLIC RADIUM | | | | | |
|--|-----------|---------|-----------|------|-------------|------|----------------|------|-------------|------|-----------------|------|---------------|------|-------------|------|----------|--|
| | | | STATE | | STATE | | GEN LICENSEES/ | | DECOMMISS/ | | 226 | | 226 | | | | | |
| | TOTAL | | OVERSIGHT | | REG SUPPORT | | FELLOWSHIPS | | RECLAMATION | | | | | | GENERIC LLW | | | |
| | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | | CONTRACT | |
| \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | \$,K | FTE | |
| NUCLEAR REACTOR SAFETY | 78,023.0 | 1,700.0 | 37.0 | 0.2 | 12.0 | 0.0 | 150.0 | 13.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| NUCLEAR MATERIALS & WASTE SAFETY (no HLW/Gen Fund) | 24,584.0 | 441.0 | 1,269.0 | 20.8 | 2,793.0 | 21.8 | 239.0 | 7.8 | 2,016.0 | 33.6 | 0.0 | 2.2 | 0.0 | 0.4 | 100.0 | 7.5 | | |
| CORPORATE | 156,722.0 | 588.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| INSPECTOR GENERAL(no DNSFB) | 1,621.0 | 58.0 | | | | | | | | | | | | | | | | |
| SUBTOTAL - FEE BASE RESOURCE | 260,950.0 | 2,787.0 | 1,306.0 | 21.0 | 2,805.0 | 21.8 | 389.0 | 21.1 | 2,016.0 | 33.6 | 0.0 | 2.2 | 0.0 | 0.4 | 100.0 | 7.5 | | |