

**Tables for
Annual Agency Technology Transfer Reports
Under the Technology Transfer Commercialization Act
US Environmental Protection Agency**

Table 1: Invention Disclosures and Patenting

| | | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 |
|---------------------|---------------------------------|----------------|----------------|----------------|----------------|----------------|
| 1 | Invention disclosures received | 6 | 1 | 1 | 3 | 3 |
| 2 | Total patent applications filed | 6 | 5 | 7 | 6 | 6 |
| 3 | U.S. | 6 | 5 | 7 | 6 | 5 |
| 4 | Foreign | 0 | 0 | 0 | 0 | 1 |
| 5 | Total PCT applications filed* | N/A | 0 | 0 | 0 | 1 |
| 6 | Total patents issued | 3 | 1 | 7 | 7 | 3 |
| 7 | U.S. | 3 | 1 | 7 | 7 | 3 |
| 8 | Foreign | 0 | 0 | 0 | 0 | 0 |
| *New metric in FY20 | | | | | | |

Table 2: Licenses

| | | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 |
|---------------------|--|----------------|----------------|----------------|----------------|----------------|
| 9 | Invention licenses, total active | 24 | 23 | 16 | 11 | 9 |
| 10 | New invention licenses | 3 | 2 | 0 | 1 | 1 |
| 11 | New invention licenses granted to small businesses | 1 | 0 | 0 | 0 | 0 |
| 12 | Income bearing licenses, total active | 17 | 14 | 10 | 7 | 6 |
| 13 | New Income Bearing Licenses | 1 | 0 | 0 | 0 | 1 |
| 14 | Exclusive, total active | 5 | 5 | 3 | 2 | 3 |
| 15 | Partially exclusive, total active | 2 | 1 | 0 | 0 | 0 |
| 16 | Non-exclusive, total active | 17 | 17 | 13 | 9 | 6 |
| 17 | Other licenses, total active* | N/A | 0 | 0 | 0 | 0 |
| 18 | New other licenses | N/A | 0 | 0 | 0 | 0 |
| 19 | New other licenses granted to small businesses | N/A | 0 | 0 | 0 | 0 |
| | Elapsed amount of time for granting invention licenses | | | | | |
| 20 | Average (months) | 6 | 18 | N/A | 20 | 26 |
| 21 | Minimum (months) | 3 | 13 | N/A | 20 | 26 |
| 22 | Maximum (months) | 9 | 22 | N/A | 20 | 26 |
| 23 | Licenses terminated for cause | 0 | 2 | 0 | 0 | 0 |
| *New metric in FY20 | | | | | | |

Table 3: Income From Licensing

| | | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 |
|---------------------|--------------------------------------|----------------|----------------|----------------|----------------|----------------|
| 24 | Invention license income | \$448,669 | \$33,044 | \$41,372 | \$29,361 | \$44,513 |
| 25 | Other license income* | N/A | \$0 | \$0 | \$0 | \$0 |
| 26 | Total earned royalty income (ERI) | \$448,669 | \$33,044 | \$41,372 | \$29,361 | \$44,513 |
| 27 | ERI from top 1% of licenses | \$328,344 | \$8,512 | \$16,640 | \$11,371 | \$20,486 |
| 28 | ERI from top 5% of licenses | \$328,344 | \$8,512 | \$16,640 | \$11,371 | \$20,486 |
| 29 | ERI from top 20% of licenses | \$378,669 | \$14,512 | \$23,312 | \$11,371 | \$33,486 |
| 30 | Minimum ERI | \$740 | \$1 | \$940 | \$1,370 | \$937 |
| 31 | Maximum ERI | \$328,344 | \$8,512 | \$16,640 | \$11,371 | \$20,486 |
| 32 | Median ERI | \$5,023 | \$2,670 | \$3,000 | \$3,000 | \$3,000 |
| | Disposition of ERI | | | | | |
| 33 | Percentage distributed to inventors | 42% | 13% | 58% | 67% | 41% |
| 34 | Percentage distributed to Lab/Agency | 58% | 87% | 42% | 33% | 59% |
| *New metric in FY20 | | | | | | |

Table 4: CRADAs

| | | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 |
|----|---|----------------|----------------|----------------|----------------|----------------|
| 35 | Total active CRADAs | 54 | 46 | 44 | 40 | 43 |
| 36 | New CRADAs | 11 | 5 | 6 | 5 | 6 |
| 37 | New CRADAs involving small businesses | 5 | 2 | 1 | 3 | 1 |
| 38 | Other collaborative agreements*, total active | 93 | 111 | 108 | 90 | 90 |
| 39 | New other collaborative agreements | 30 | 43 | 37 | 36 | 31 |

*Other collaborative agreements include Materials Transfer Agreements, Data Use Agreements, and Materials CRADAs.

Table 5: Other Intramural Performance Measures Deemed Important by the Agency

| | | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 |
|----|--|----------------|----------------|----------------|----------------|----------------|
| 40 | Total Number of Small Businesses Supported* | 37 | 46 | 45 | 32 | 26 |
| 41 | Total number of startup and young companies supported* | 14 | 17 | 11 | 7 | 8 |
| 42 | Average elapsed amount of time for granting CRADAs (in months) | 4 | 12 | 10 | 13 | 11 |
| 43 | Annual reports received from licensees | 3 | 2 | 3 | 5 | 7 |
| 44 | Non-Disclosure Agreements signed | 11 | 8 | 19 | 12 | 4 |
| 45 | New inventions disclosed from CRADA partnerships | 4 | 0 | 0 | 0 | 0 |

*Represents active CRADAs, other collaborative agreements, and licenses with small businesses and startup companies, respectively.