



BIPARTISAN POLICY CENTER

Appendix: Data on Laboratory-Directed Research and Development (LDRD)

Celebrating ten years of productive partisanship.

LDRD DATA



Total for FY15 - 12

| Laboratory | LDRD Projects | LDRD Certified Costs | Total Cost Base | % LDRD | Publications | Patents/ Patent app | Invention Disclosures | Avg. \$/Publication |
|--------------------|---------------|----------------------|-----------------|--------|--------------|------------------------|--------------------------|------------------------|
| Ames* | 26 | \$2,354 | \$176,200 | 1.34% | 20 | 0 | 2 | \$117.70 |
| Argonne | 455 | \$117,500 | \$3,016,887 | 3.89% | 766 | 56 | 83 | \$153.39 |
| Brookhaven | 177 | \$36,800 | \$2,195,800 | 1.68% | 512 | 14 | 13 | \$71.88 |
| Idaho* | 240 | \$56,500 | \$2,565,700 | 2.20% | 272 | 15 | 8 | \$207.72 |
| Lawrence Berkeley | 355 | \$91,300 | \$2,970,900 | 3.07% | 460 | 4 | 112 | \$198.48 |
| Lawrence Livermore | 616 | \$336,300 | \$6,119,300 | 5.50% | 1,033 | 171 | 257 | \$325.56 |
| Los Alamos | 1,163 | \$518,400 | \$8,261,200 | 6.28% | 1,859 | 67 | 90 | \$278.86 |
| NREL | 211 | \$41,600 | \$1,411,800 | 2.95% | 88 | 41 | 54 | \$472.73 |
| Oak Ridge | 730 | \$145,700 | \$5,246,800 | 2.78% | 1,331 | 45 | 194 | \$109.47 |
| Pacific Northwest | 769 | \$162,600 | \$3,733,700 | 4.35% | 832 | 40 | 216 | \$195.43 |
| Princeton Plasma | 74 | \$8,400 | \$368,800 | 2.28% | 60 | 0 | 12 | \$140.00 |
| Sandia** | 2,106 | \$624,000 | \$10,471,700 | 5.96% | 1,244 | 247 | | \$501.61 |
| SLAC | 82 | \$18,200 | \$1,160,800 | 1.57% | 89 | 2 | 10 | \$204.49 |

*Data is for FY13 – 15

**Data is for FY11 - 15

OECD Comparison

| 2007 | \$ ppp/publication normalized on (HERD + GOVERD) | \$ ppp/publication normalized on HERD |
|------------------|---|---------------------------------------|
| USA | \$316,287 | \$175,284 |
| USA (in 2015 \$) | \$357,404 | \$198,071 |
| OECD Average | \$228,382 ± 67,283 | \$132,077 ± 42,696 |

HERD = Higher Education Expenditure on R&D

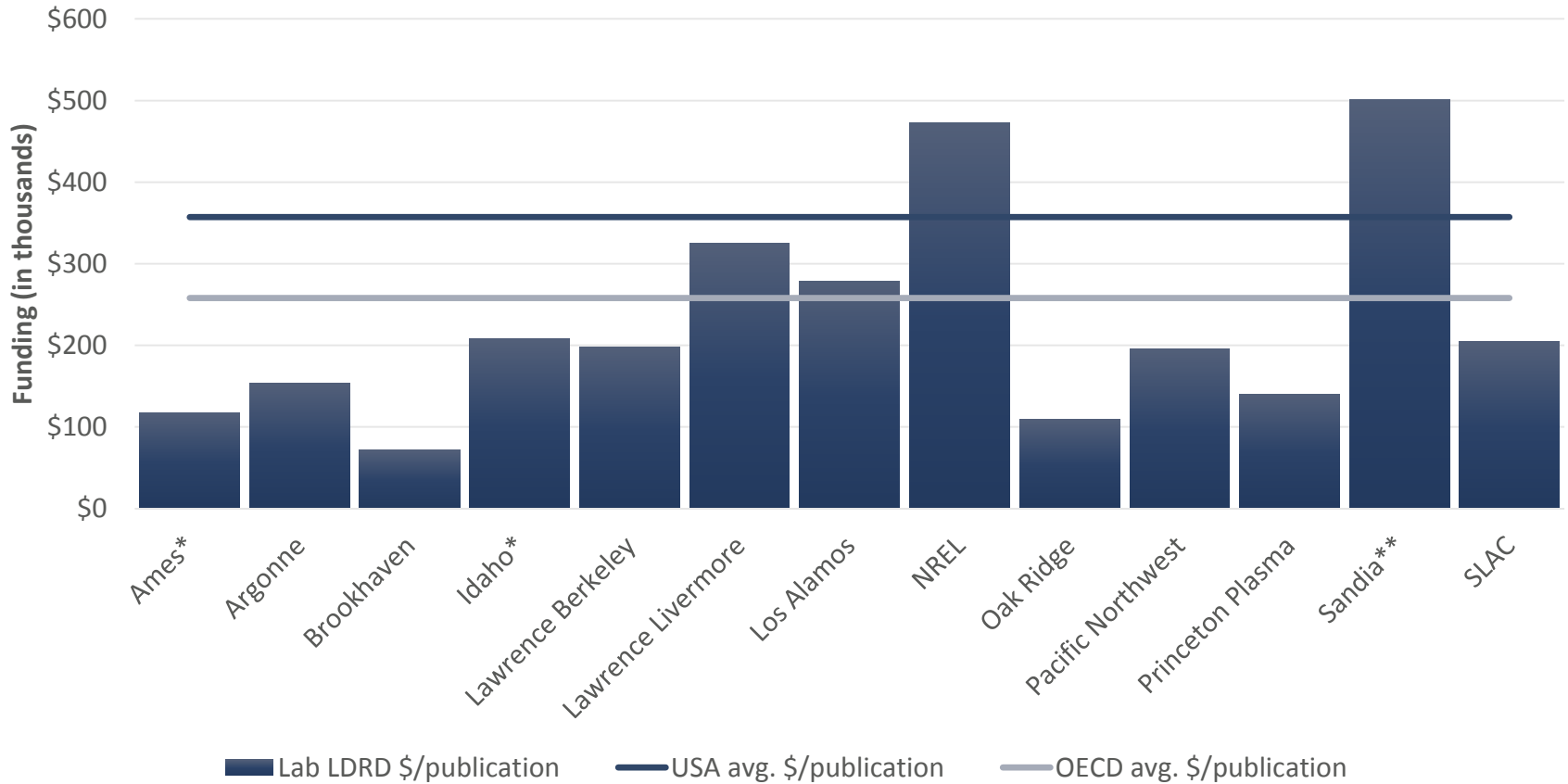
GOVERD = Government Intramural Expenditure on R&D

ppp = purchasing power parity

Inflation rate calculated by:¹ https://www.bls.gov/data/inflation_calculator.htm

¹ An approximate inflation rate of 1.13 was found from the time of the study (2007) to the ending range of the data (2015) using the BLS inflation calculator

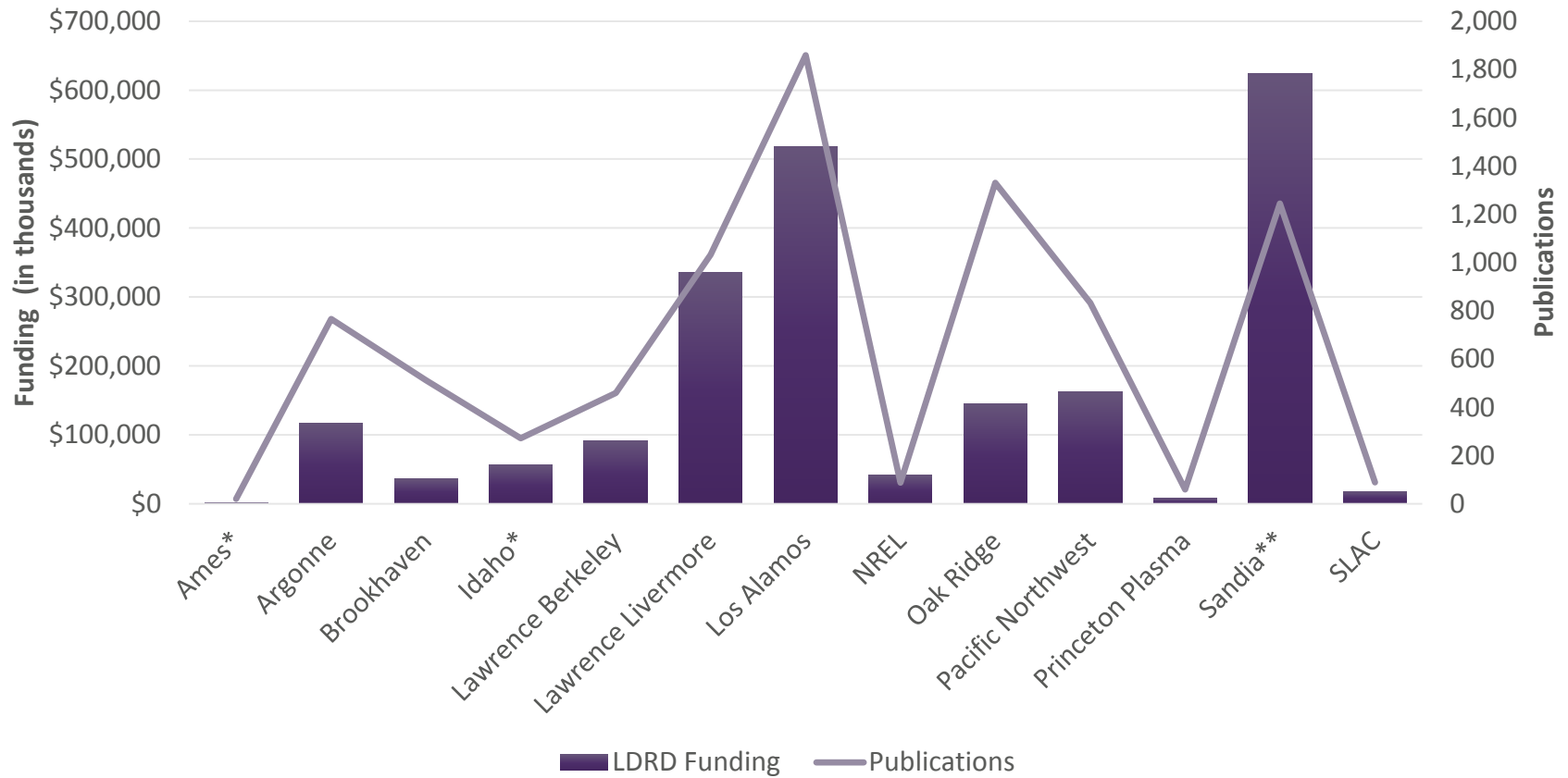
Cost per LDRD Publication, FY12-15



*Data is for FY13 – 15

**Data is for FY11 - 15

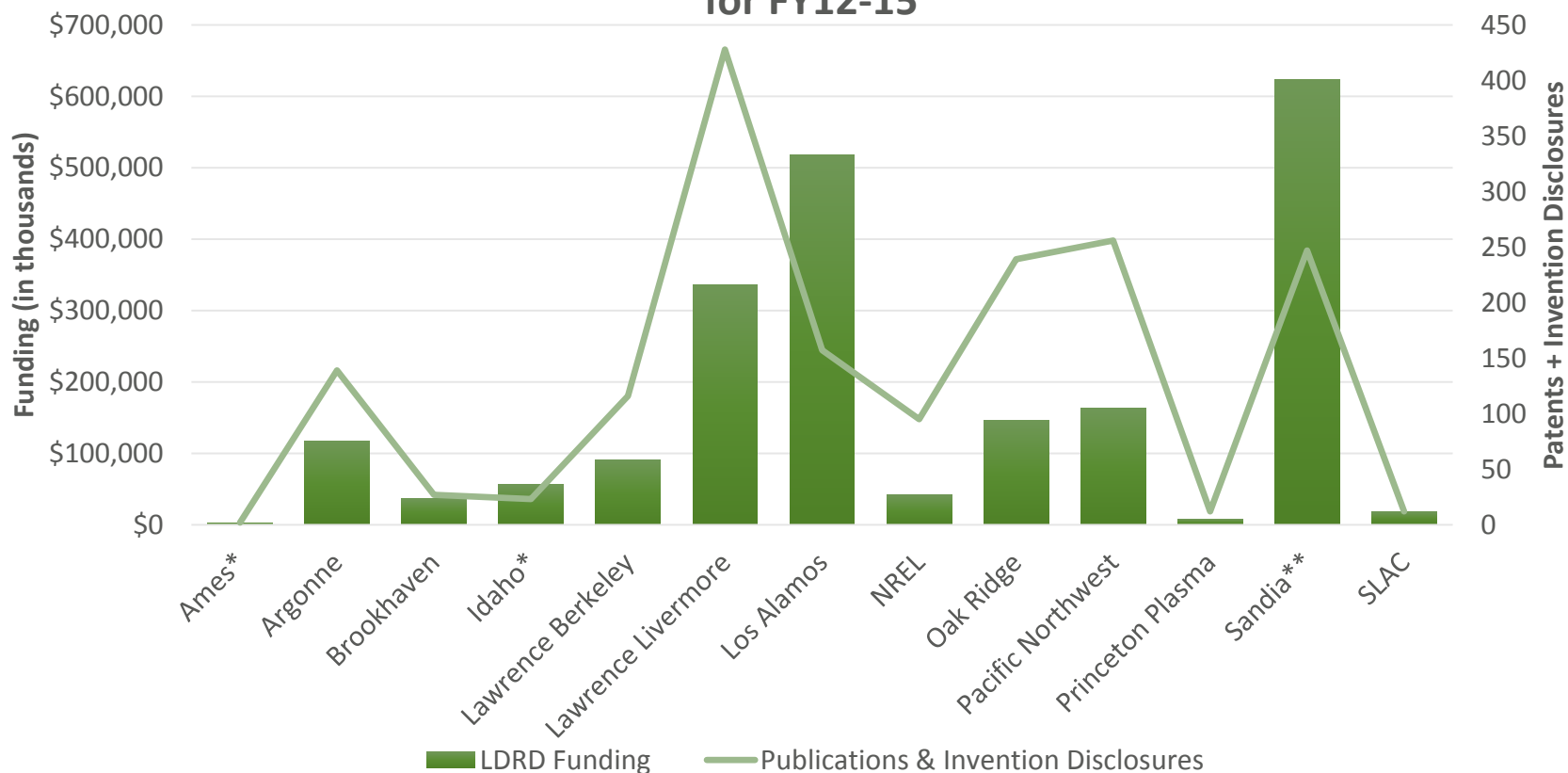
Funding per LDRD Program vs. LDRD Publications for FY12-15



*Data is for FY13 – 15

**Data is for FY11 - 15

Funding per LDRD Program vs. LDRD Patents + Invention Disclosures for FY12-15



*Data is for FY13 – 15

**Data is for FY11 - 15

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|-----------------|---|
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ORNL FY12-15 ORNL Data provided by DOE HQ

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Additional SLAC Data provided by DOE HQ