

### Summary of MQ-9 Reaper Spending Allocations

This is a Center for the Study of the Drone Research Document. All amounts are in millions and may be rounded. For more information, contact [csd@bard.edu](mailto:csd@bard.edu)

|   | Fiscal Year 2016 |                                 |                 | FY15           | FY14           | Prior Years | NOTES   |
|---|------------------|---------------------------------|-----------------|----------------|----------------|-------------|---|
| Category  | Base             | Overseas Contingency Operations | Total           | Total          | Total          | Total       |   |
| <b>USAF MQ-9 Reaper Funding FY16</b>              |                  |                                 |                 |                |                |             | Funds allocated directly for supporting the USAF MQ-9 Reaper program.   |
| Procurement (Aircraft and GCS)                    | 552.528          | 13.5                            | 566.028         | 530.218        | 349.271        | 3730.58     | The base package includes the airframes, communications equipment, sensors, weapon kits (not including the munitions), training and support equipment, and a Ground Control System (GCS).   |
| Procurement (Modifications)                       | 115.226          | 69                              | 184.226         | 155.445        | 58.97          | 302.107     | The MQ-9 can be modified according to changing mission requirements. One major project covers the extension of the MQ-9's range. Other FY16 updates include to the Lynx synthetic aperture radar (SAR) and the GCS.                           |
| Procurement (Repairs and Spare Parts)             | 134.393          |                                 | 134.393         | 76.629         | 21.976         | 303.325     | Aircraft Initial Spares are required to fill the initial pipeline or inventory for all new aircraft systems, including modifications, support equipment, and other production categories.   |
| Research (RDT&E)                                  | 123.439          |                                 | 123.439         | 148.598        | 104            | 713.828     | Reaper funding includes platform-specific research that is intended to improve the aircraft's capabilities. A portion of the FY16 MQ-9 research budget will go towards developing the next generation of GCS.                                 |
| Aircraft Support Equipment & Facilities           | 5                |                                 | 5               |                |                |             |   |
| Production Charges                                |                  |                                 |                 | 101.02         | 87.44          |             | Production Charges provide for items which are not directly related to other procurement line items in the appropriation. Expenditures in FY15 and FY14 are associated with activating contractor depots for repairing and analyzing systems. |
| Construction                                      |                  |                                 | 72              | 21             | 87             |             | FY16 funding includes three U.S. Air Force and Air National Guard military construction projects involving the MQ-9 Reaper.   |
| Operation and Maintenance                         |                  |                                 | 31.8            |                | 2.551          |             | Contractor Logistics Support to MQ-9 Combat Air Patrols includes technical support and manuals, maintenance, data collection, flight operations support, and other items.   |
| <b>Total</b>                                      |                  |                                 | <b>1116.886</b> | <b>1032.91</b> | <b>711.208</b> |             | <i>Totals reflect funding for USAF Reaper-specific programs and may not include every relevant item in DOD budgets.</i>   |
| <b>Gross Weapon System Unit Cost</b>              |                  |                                 | <b>19.053</b>   | <b>20.018</b>  | <b>22.685</b>  |             | This is the estimated cost of each Reaper procurement package.  |
| <b>Other Department MQ-9 Reaper Spending FY16</b> |                  |                                 |                 |                |                |             |   |
| SOCOM Aircraft and GCS Procurement                | 11.726           |                                 | 11.726          | 18.593         | 12.893         | 62.327      | These funds go towards purchasing specialized equipment for Air Force Special Operations Command units that fly Reapers.  |

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| Category   | Fiscal Year 2016 |                                 | FY15           | FY14            | Prior Years   | NOTES |   |
|--|------------------|---------------------------------|----------------|-----------------|---------------|-------|---|
|  | Base             | Overseas Contingency Operations | Total          | Total           | Total         |       |   |
| SOCOM RDT&E  |                  |                                 | 18.151         | 14.902          | 13.272        | 14.22 | Special Operations Command (SOCOM) invests in researching black ops-unique equipment for its Reaper fleet.                                    |
| MDA RDT&E  | 28.2             |                                 | 28.2           | 34.535          | 29.523        |       | An ongoing project at the Missile Defense Agency is to test an advanced sensor package for tracking ballistic missiles using an MQ-9 Reaper.  |
| <b>Total</b>   |                  |                                 | <b>58.077</b>  | <b>68.03</b>    | <b>55.688</b> |       |   |
| <b>Other USAF Reaper-Relevant Spending</b>                                 |                  |                                 |                |                 |               |       | This funding includes items that, while not Reaper-specific, contribute to the functioning and development of the MQ-9.                       |
| Procurement of Predator Hellfire Missile                                   | 423.016          | 280.902                         | <b>703.918</b> | <b>169.347</b>  | <b>64.928</b> |       | This munition is used widely on the MQ-9 Reaper. Funding increases are justified due to need to replenish stocks. Also used by MQ-1 Predator. |
| RDT&E  | 60.335           |                                 | <b>60.335</b>  |                 |               |       | Reaper-relevant research programs such as sense and avoid systems, training modules, and operator interfaces for remotely piloted aircraft.   |
| <b>Total</b>   |                  |                                 | <b>764.253</b> |                 |               |       |   |
| <b>Total Estimated Allocated Funds for MQ-9 Reaper Associated Programs</b> |                  |                                 |                | <b>1939.216</b> |               |       | \$1,939,216,000   |