Advancing the Future Force We Need ($1,876M)

1. Advanced Technologies ($115M)
   - Skyborg Prototyping: $25M (Prototypes an autonomous unmanned combat air vehicle)
   - Golden Horde Prototyping: $35M (Collaborative SBD-I with autonomous optimization)
   - Emerging Technology Concept Operational Prototype: $55M (Advances critical technology readiness)

2. Advanced Weapons Systems ($228M)
   - Robust Offensive Cyber Operations: $176M (Fields cutting-edge offensive cyber effects)

3. Aircraft Procurement ($1,343M)
   - F-35: $1,172M (Procures an additional 12 a/c with initial spares in FY21)
   - F-35: $171M (Procures long lead support items)

4. Future Ranges ($190M)
   - Range Upgrades: $116M (Upgrades Operational Training Infrastructure and Software)
   - Cyber Range and Training: $74M (Increases capacity of the Cyber Formal Training Unit)

Infrastructure ($1,325M) – PRV 1.85%

- MILCON ($589M), Facility Sustainment, Restoration and Modernization ($736M)
<table>
<thead>
<tr>
<th>Priority</th>
<th>Category</th>
<th>Title</th>
<th>Description</th>
<th>Ages (4-Digits)</th>
<th>SAG (DOM)</th>
<th>PE</th>
<th>BPAC (RTD&amp;E)</th>
<th>WSC (Procurement)</th>
<th>R-1 Line #</th>
<th>R-1 Line # (RDT&amp;E)</th>
<th>Unfunded Amount ($M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Advanced Technologies</td>
<td>Skyborg / Golden Horde/ Emerging Technology Concept (ETC) Prototyping</td>
<td>The first iteration of Skyborg will integrate artificial intelligence into autonomous unmanned vehicles to enable future manned-unmanned teaming. This request expands the rapid transition capability to the INDOPACOM Area of Responsibility, with leave-behind assets and procurement of follow-on program of record. Golden Horde is designed to incorporate to the Air Force's three most urgent technologies: precision guided weapons, artificial intelligence, and communications networking. Funds an operational prototype of a collaborative Small Diameter Bomb (SDB) that autonomously optimizes coordinated attacks on emitters or Global Positioning Satellite (GPS) targets within Operators Rules of Engagement. ETC efforts focused on advancing critical technology readiness, design work on prototype demonstrator and securing space launch support. Additional details available via classified means.</td>
<td>3600</td>
<td>645351</td>
<td>651030</td>
<td>641030</td>
<td>640874</td>
<td>640874</td>
<td>640874</td>
<td>$115</td>
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<td>3</td>
<td>Aircraft Procurement</td>
<td>F-35A</td>
<td>Procures 12 F-35As (flyaway costs $80.3M per), and procures spares for additional 12 aircraft in FY21. Procures F-35A Advanced Procurement Long Lead and Economic Order Quantity in support of an additional 12 aircraft in FY22.</td>
<td>3010</td>
<td>10F035</td>
<td>10F035</td>
<td>10F035</td>
<td>10F035</td>
<td>10F035</td>
<td>10F035</td>
<td>$1,343</td>
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<td>4</td>
<td>Future Ranges</td>
<td>Advanced Radar Threat System Version 4 (ARTSV4) / Nellis &amp; Hill Range Operational Training Infrastructure / Cyber Formal Training Unit (FTU) and Ranges</td>
<td>The ARTSV4 is the foundation needed to ensure a complex layered defense is replicated to match near-peer threats. This funding accelerates the rapid prototyping and procurement of ARTSV4 to support 5th Generation training and readiness. Increases investment in the sustainment and contract support required to maintain and keep relevant the Nellis AFB and Hill AFB ranges, to enable test, research and development activities, provide live battlespace for tactics development and electronic combat, and support various partner-nation readiness training and testing for all major (flying) weapons systems. This funding increases the capacity of USAF cyber training enterprise with manpower &amp; operational training infrastructure (OTI) as the current pipeline cannot meet the demand for trained operators. Currently the FTUs through put is 1,400 Airmen, this funding will increase that to 3,500. Additionally, this effort closes the capability gap to emulate peer adversaries in a simulated environment.</td>
<td>3600</td>
<td>647350</td>
<td>647350</td>
<td>647350</td>
<td>647350</td>
<td>647350</td>
<td>647350</td>
<td>$190</td>
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<tr>
<td>6</td>
<td>Infrastructure</td>
<td>Facility, Sustainment, Restoration and Modernization (FSRM)</td>
<td>Increases to our facility maintenance and repair investment to 1.85% Plant Replacement Value (PRV), accelerating the ramp to meet the Department of the Air Force Infrastructure Investment Strategy goal of 2% PRV.</td>
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<td>011R</td>
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<td>011R</td>
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<td>$736</td>
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Total $3,348
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<tr>
<th>Priority</th>
<th>Component</th>
<th>Project #</th>
<th>Base</th>
<th>State</th>
<th>Title</th>
<th>Amount ($M)</th>
<th>New/Funded</th>
<th>Existing</th>
<th>MILCON ($C)</th>
<th>Appn Y or C</th>
<th>Description</th>
<th>Percent of FYD-Completed</th>
<th>Estimated Award Date</th>
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<tbody>
<tr>
<td>1</td>
<td>Active</td>
<td>FBA61861138</td>
<td>Elsworth</td>
<td>SD</td>
<td>B-2 2-Bay LO Restoration Facility</td>
<td>96.0</td>
<td>Y</td>
<td>3500</td>
<td>15%</td>
<td>High-bay maintenance hangar</td>
<td>Awarded Dec 2019; currently 15%, 25% anticipated Apr 2020</td>
<td>3rd Quarter FY21</td>
<td></td>
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<tr>
<td>2</td>
<td>Active</td>
<td>09601071482</td>
<td>Hill</td>
<td>UT</td>
<td>Ground Base Strategies Demonstration (GBSD) Organic Software Sustainment Center</td>
<td>142.0</td>
<td>Y</td>
<td>3500</td>
<td>15%</td>
<td>Multi-story secure software integration facility</td>
<td>Anticipate award Feb 2020; currently 3%</td>
<td>3rd Quarter FY21</td>
<td></td>
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<tr>
<td>3</td>
<td>Reserve</td>
<td>DPNA166111</td>
<td>East Worth MAB</td>
<td>TX</td>
<td>35 Squadrone Operations/Aircraft Maintenance Unit</td>
<td>16.0</td>
<td>Y</td>
<td>1730</td>
<td>15%</td>
<td>Construct consolidated Squadrone Operations and Aircraft Maintenance Unit facility to beddown F-35.</td>
<td>50% complete; anticipate 100% by Sept 2021</td>
<td>3rd Quarter FY21</td>
<td></td>
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<tr>
<td>4</td>
<td>Active</td>
<td>B9C751</td>
<td>Keesler Field Mississippi</td>
<td>MS</td>
<td>Air Force Base</td>
<td>360.0</td>
<td>NA</td>
<td>3500</td>
<td>15%</td>
<td>The project shall require a new 1.3 million square foot facility to provide the required aircraft mission support.</td>
<td>50% complete</td>
<td>FY21</td>
<td></td>
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<tr>
<td>5</td>
<td>Guard</td>
<td>AGA169022</td>
<td>Hector International Airport</td>
<td>ND</td>
<td>Consolidated Remote Piloted Aircraft (RPA) Operations Facility</td>
<td>17.5</td>
<td>C</td>
<td>3830</td>
<td>15%</td>
<td>The 119th Wing requires an adequately sized and configured facility to support RPA operations and training. Includes facility space for Remote Piloted Aircraft (RPA) Support Operations Center (SOC) to include RPA administrative, operations space, and Ground Control Stations (GCS). RPA operations requires special construction to meet the necessary classification certification.</td>
<td>50% complete</td>
<td>4th Quarter FY21</td>
<td></td>
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<tr>
<td>6</td>
<td>Active</td>
<td>USRA200000</td>
<td>USAFA</td>
<td>CO</td>
<td>Cadet Prepatory School Dormitory</td>
<td>44.0</td>
<td>C</td>
<td>3500</td>
<td>15%</td>
<td>Construct a new 126-room, multi-story dormitory. Includes administration support and training manager’s areas, laundries, storage, mechanical, communication and utility connections.</td>
<td>Awarded Feb 2019; currently 25%</td>
<td>3rd Quarter FY21</td>
<td></td>
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<tr>
<td>7</td>
<td>Active</td>
<td>AF175000</td>
<td>B&amp;M Andrews</td>
<td>MD</td>
<td>Joint Rescue Station #1</td>
<td>28.0</td>
<td>C</td>
<td>3500</td>
<td>15%</td>
<td>Construct a 1,356 sqm Joint Rescue Station to accommodate 14 Aircraft Rescue Fire Fighting apparatus, provide emergency back-up power and adequate personnel space to support existing aircraft/rescue system.</td>
<td>Awarded Apr 2019; currently 15%, 35% anticipated Dec 2020</td>
<td>FY21</td>
<td></td>
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<tr>
<td>8</td>
<td>Guard</td>
<td>KC216000</td>
<td>Montgomery Regional Airport (ANG) Base</td>
<td>AL</td>
<td>Base Supply Complex</td>
<td>18.2</td>
<td>C</td>
<td>3830</td>
<td>15%</td>
<td>The base requires correctly sized and properly configured aircraft maintenance facilities to support repair and maintenance of 21 F-35 aircraft.</td>
<td>50% complete</td>
<td>3rd Quarter FY21</td>
<td></td>
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<tr>
<td>9</td>
<td>Active</td>
<td>TPM166150</td>
<td>Edwards</td>
<td>CA</td>
<td>Flight Test Engineering Laboratory Complex</td>
<td>14.0</td>
<td>C</td>
<td>3500</td>
<td>15%</td>
<td>Construct a two-story laboratory, engineering and office complex with reinforced concrete slab foundations, wall panels, standing seam metal roof, thermal energy storage system, and fire protection.</td>
<td>Awarded Nov 2019; currently 15%, 35% anticipated Feb 2020</td>
<td>3rd Quarter FY21</td>
<td></td>
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<tr>
<td>10</td>
<td>Guard</td>
<td>7BRA668667</td>
<td>Camp Murray, ANG Station</td>
<td>WA</td>
<td>Air Support Operations Complex</td>
<td>27.0</td>
<td>C</td>
<td>3500</td>
<td>15%</td>
<td>The facility shall consist of shared space and resources for administrative functions, communications training, maintenance shops, maintenance bays, simulator training spaces, open storage sensitive controlled information space, fitness evaluations, and equipment storage.</td>
<td>75% complete</td>
<td>3rd Quarter FY21</td>
<td></td>
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