SAME
Overview

- Robins Energy Program
- WBRxR Authority Update
- UMMC MILCON
  - New Truck Gate
  - FY20 UMMC Top 3
  - FY21 MILCON Top 5
- Execution
- Funding
  - Historical AFCEC CTO Funding
  - Historical CEG Construction Program
- Questions
Energy

Duke Thigpen
Robins AFB Energy Manager
78th Civil Engineering Div
Solar Array

- Georgia Power Company Partnership with Robins AFB for 128MW solar array north of base
  - One of the largest solar energy facilities in the State of Georgia
  - Substantial contribution to Air Force Renewable Energy Goal
  - Electrical Upgrades improves Robins and Local Area Resiliency

- Provides Robins with multiple electrical transmission pathways
- Ensures backup power capability to all base facilities in the event of a grid outage
Energy Projects

î In Construction:
  - ESPC Group 1: $12.1M
  - UESC New Compressed Air Plant: $29M
  - UESC Lighting: $1.9M
  - TOTAL: $43M

î Nearing Construction:
  - ESPC Group 2: $20.8M
  - ERCIP Upgrades PAMPER Facility: $4.5M
  - TOTAL: $25.3M

î ALC UESC Initiatives:
  - In various stages of evaluation and design: approximately $425M
Energy Savings Performance Contract (ESPC)

- Group 1: 18 month construction phase began Nov 19
  - Chiller Plant Upgrades improving HVAC for 17 bldgs.
  - HVAC Controls Upgrades improving HVAC for 5 bldgs
  - Interior Lighting Upgrades for 21 bldgs.
  - Exterior Lighting Upgrades at 23 bldgs.
Energy Savings Performance Contract (ESPC)

- Group 2: 18 month construction phase begins Jul 20
  - HVAC Controls Upgrades improving HVAC for 8 bldgs.
  - Lighting Upgrades for approximately 300 bldgs.
  - Generator replacement at 3 bldgs.
Utility Energy Service Contract (UESC)

- New Compressed Air Plant
  - Feeds 45 bldgs
  - Nearing initial startup phase
  - Completion Aug 20

- Lighting: Interior lighting upgrade
  - Under construction
  - Completion Aug 20
WBRxR Authority
Whole Building
Repair by Replacement
Using Funds Available for O&M

“It’s Always the Hour”
at Team Eglin!

Mark A. Schlueter
Deputy Base Civil Engineer
Eglin AFB, Florida
25 Sep 18
Purpose

- Propose amendment that authorizes building a new replacement facility in lieu of repairing/convert ing an old facility using the same funds authority when it is a better value to the Department
- Age and condition of Air Force facilities
  - 35% > 50 yrs (typical design life)
  - 44% > 40 yrs
  - 56% > 30 yrs
  - 30% bldgs are degraded condition (Yellow)
  - 24% bldgs are failed/failing condition (Red)
- How can the Air Force recapitalize, restore and modernize our installation’s infrastructure?

Given the outdated construction and repair rule set, DoD Services cannot effectively recapitalize their real property before it degrades to the point of mission failure
WBRxR Authority

- Facility Sustainment, Restoration & Modernization (FSRM)
  - Unlimited $ to sustain, repair, convert existing
- In lieu of repairing an existing facility, replace it by building new
  - Enable an effective Consolidate & Demo program
  - Use same amount or less funds
  - Reduce aggregated gross square footage by 10-20%
  - Optimize space use
  - Reduce energy consumption, increase energy resilience
  - Reduce life-cycle cost using adaptive design

Enables installations worldwide to recapitalize using available O&M funds
WBRxR Status

• BLUF: Air Force withdrew it from the FY21 NDAA

• Reasons:
  – OSD couldn’t get past the perspectives that facility replacement is a *construction* activity and not a *repair* activity
  – Building a new facility with O&M moves congressional oversight from one of the Defense congressional committees (MILCON) to another (FSRM) which would not be received well on the Hill

• Way Forward
  – One possibility, suggested by OSD, may be to set up something similar to ERCIP where OMB or OSD POMs for a certain amount of MILCON funding each year to be used only for projects that meet the specific program’s criteria (e.g. return on investment).
UMMC & MILCON
New Truck Gate

- Project Status: MILCON Awarded May 20
- Cost: $9.7M
- Contractor: HENSEL PHELPS
- Construction Start: Oct 20
- Completion: Jan 22
New Truck Gate
1. Satellite Fire Station
2. Physical Fitness Center
3. Refuel Vehicle Maintenance Facility
1. Control Tower And Base Operations Facility
2. Consolidated PMEL/Gyro Facility
3. Combat Communications Facility
4. Component Repair Facility
5. Depot Quality Control Laboratory
Execution
Construction Program

<table>
<thead>
<tr>
<th>Year</th>
<th>Projs</th>
<th>O&amp;M</th>
<th>CSAG</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY15</td>
<td>42</td>
<td>$36.2M</td>
<td>$13.8M</td>
</tr>
<tr>
<td>FY16</td>
<td>92</td>
<td>$22.7M</td>
<td>$32.5M</td>
</tr>
<tr>
<td>FY17</td>
<td>92</td>
<td>$28.0M</td>
<td>$31.8M</td>
</tr>
<tr>
<td>FY18</td>
<td>87</td>
<td>$41.7M</td>
<td>$71.7M</td>
</tr>
<tr>
<td>FY19</td>
<td>42</td>
<td>$13.1M</td>
<td>$51.1M</td>
</tr>
<tr>
<td>FY20</td>
<td>69</td>
<td>$27.0M</td>
<td>$50.6M</td>
</tr>
</tbody>
</table>

Operations and Maintenance (O&M)
Consolidated Sustainment Activity Group (CSAG)
How we get the work done!

Contract Execution History (5yr Avg)

Contract Cost

# of Projects

8A  COE  IDQ  OTH
## IDIQ Contracts

<table>
<thead>
<tr>
<th>Title</th>
<th>Contract Years</th>
<th>Contract Expire</th>
<th>Contract Limit</th>
<th>Current Obligations</th>
<th>% Remaining</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flooring</td>
<td>5</td>
<td>27-Dec-20</td>
<td>$4.5M</td>
<td>$1.2M</td>
<td>73%</td>
</tr>
<tr>
<td>AE</td>
<td>5</td>
<td>15-May-21</td>
<td>$17.5M</td>
<td>$9.5M</td>
<td>46%</td>
</tr>
<tr>
<td>Paint</td>
<td>5</td>
<td>14-Aug-21</td>
<td>$4.2M</td>
<td>$2.6M</td>
<td>38%</td>
</tr>
<tr>
<td>Paving</td>
<td>5</td>
<td>23-Aug-21</td>
<td>$40M</td>
<td>$14.5M</td>
<td>64%</td>
</tr>
<tr>
<td>SABER</td>
<td>5</td>
<td>19-Apr-22</td>
<td>$52M</td>
<td>$31.9M</td>
<td>39%</td>
</tr>
<tr>
<td>Roofing</td>
<td>5</td>
<td>21-Aug-22</td>
<td>$95M</td>
<td>$23M</td>
<td>65%</td>
</tr>
<tr>
<td>CEMACC</td>
<td>5</td>
<td>5-Sep-22</td>
<td>$70M</td>
<td>$58.7M</td>
<td>16%</td>
</tr>
<tr>
<td>Mech/Elec (New)</td>
<td>5</td>
<td>23-Apr-24</td>
<td>$95M</td>
<td>$19.3M</td>
<td>72%</td>
</tr>
<tr>
<td>CEMACC II</td>
<td>5</td>
<td>16-Sep-24</td>
<td>$95M</td>
<td>$1.3M</td>
<td>99%</td>
</tr>
<tr>
<td>SABER II</td>
<td>5</td>
<td></td>
<td>$50M</td>
<td></td>
<td>Award: Jul 20</td>
</tr>
<tr>
<td>A&amp;E (New)</td>
<td>5</td>
<td></td>
<td>$30M</td>
<td></td>
<td>RFP: 1 Jun 20</td>
</tr>
</tbody>
</table>
Funding
**AFCEC CTO Funding FY21 Projection**

### MFH Task Order

<table>
<thead>
<tr>
<th>Task</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$105.6M</td>
</tr>
<tr>
<td>Design/Plan</td>
<td>$5.3M</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$110.9M</strong></td>
</tr>
</tbody>
</table>

### Construction TO

<table>
<thead>
<tr>
<th>Task</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;M (76)</td>
<td>$717M</td>
</tr>
<tr>
<td>Sust (78)</td>
<td>$797M</td>
</tr>
<tr>
<td>Demo (93)</td>
<td>$9M</td>
</tr>
<tr>
<td><strong>Sub Total</strong></td>
<td><strong>$1,523M</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Task</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td><strong>$1,904M</strong></td>
</tr>
</tbody>
</table>

### EL WP Task Order

<table>
<thead>
<tr>
<th>Task</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>3080</td>
<td>$20.3M</td>
</tr>
<tr>
<td>3040</td>
<td>$40M</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$60.3M</strong></td>
</tr>
</tbody>
</table>

### ENV Task Order

<table>
<thead>
<tr>
<th>Task</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Env Cons (53)</td>
<td>$72M</td>
</tr>
<tr>
<td>Env P2 (54)</td>
<td>$14M</td>
</tr>
<tr>
<td>Env Comp (56)</td>
<td>$167M</td>
</tr>
<tr>
<td><strong>Sub Total</strong></td>
<td><strong>$253M</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Task</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td><strong>$316.2M</strong></td>
</tr>
</tbody>
</table>

### CTO TOTAL $2,941M

### FY21 UPL $550M

### FY21 Combined Tasking Order (CTO) $2,941M

### FY20 Carryover $1,105B

### Enterprise Bills $303M

### Project Auth $495M

### FY21 UPL $550M

### "New" Construction Authority $798M + $550 UPL

### MFH $110.9M

### EI WP $60.3M

### ENV $316.2M
### AFCEC CTO Funding FY21 Projection

**Total Program Authority:** $1.904B

- **FY20 Rollover:** $900M
- **FY20 Cuts:** $205M

**Remaining Authority:** $798M

<table>
<thead>
<tr>
<th>Program</th>
<th>Proposed</th>
<th>4-yr Avg</th>
<th>FY20</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFCEC Enterprise Support</td>
<td>$75M</td>
<td>$71M</td>
<td>$75M</td>
</tr>
<tr>
<td>PTO**</td>
<td>$44M</td>
<td>$17M</td>
<td>$17M</td>
</tr>
<tr>
<td>Design</td>
<td>$64M</td>
<td>$104M</td>
<td>$134M</td>
</tr>
<tr>
<td>TTP (RED HORSE &amp; CTS)</td>
<td>$19M</td>
<td>$16M</td>
<td>$18M</td>
</tr>
<tr>
<td>NRG/Savings</td>
<td>$56M</td>
<td>$56M</td>
<td>$42M</td>
</tr>
<tr>
<td>Demo</td>
<td>$39M</td>
<td>$32M</td>
<td>$27M</td>
</tr>
<tr>
<td>Lajes Real Property Payback</td>
<td>$6M</td>
<td>$7.8M</td>
<td>$8M</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$303M</strong></td>
<td><strong>$305M</strong></td>
<td><strong>$321M</strong></td>
</tr>
</tbody>
</table>

**Enterprise Bills** $303M

**FY20 Carryover** $1.105B

**Project Authority** $495M

**Project Authority** $495M

**493M**

**477M**
Discussion/Questions

CE’s Success

Contracting Office
Finance Office
Local Contractors