6th Civil Engineer Squadron

Mr. Robert (Todd) Wynn
Director/Base Civil Engineer

Prepared, Professional, Responsive -- Building the Future!
Overview

- THE 6 CES TEAM
- 6 CES PORTFOLIO
- FY20/21 FSRM and MILCON
- Other Initiatives and Challenges
Mission

Provides explosive ordnance disposal, emergency management and air base operability, environmental quality, fire emergency services, and housing support for 6 AMW, USCENTCOM, USSOCOM, JCSE, SOCCENT, MARCENT and 28 other mission partners with a base population of 19,000. Plans, programs, designs, constructs, operates, and maintains 672 base facilities, totaling over 5 million square feet, on a 5,700-acre installation valued at over $2.5B.

Vision

Operate as a world class organization by being the most efficient and effective AF Civil Engineer Squadron demonstrated through home station support and preparing readily deployable Airmen

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History

- Nov 1999 – Squadron Undergoes Direct Conversion
- Jun 2007 – Converted CC to Civilian Director
- Nov 2007 – Award Housing Privatization Project
- Jul 2010 – Start of New Contract with Akima/IAP
- Mar 2011 – Privatized Water & Wastewater Infrastructure Systems
- Sep 2012 – Privatized Natural Gas Infrastructure
- Apr 2015 – AFAA Conducted Oversight Audit
- Sep 2015 – Began 6 CES Internal Restructuring
- Jun 2019 – Restructuring Complete
Current

■ Complex Business Relationships:
  ▪ AKIMA/PAE – Civil Engineer Services Support Contract
  ▪ CBRE – Energy Consulting Services
  ▪ Hydrogeologic, Inc (HGL) – Contract for ERA site cleanup
  ▪ Clark/ Harbor Bay – Housing Privatization Partners/Property Mgrs
  ▪ ENSYNC Diversified Management – Entomology Services
  ▪ FGUA/US Water – Water/Wastewater System Owner/Operator
  ▪ MACC/MATOC – 5 Total Contractors; increasing w/new MACC
  ▪ PenBay/Photoscience – IT Services Support in CE
  ▪ TECO Peoples Gas – Natural Gas System Owner/Operator

■ Typical CE Contracts – Big 3
  ▪ SC Jones – Grounds Maintenance Contractor
  ▪ GCE (Gulf Coast Enterprises) – Custodial
  ▪ Six Nation – Refuse and Recycling
Current Org Chart

Structure:
-- Civ Director & Deputy
-- 78 Enlisted
-- 41 GS Positions
-- AKIMA/PAE Service Support Contractors

UMD: 436 Funded Authorized Positions

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MacDill AFB Portfolio
We Have a Big Challenge!

MACDILL ASSET PORTFOLIO

FACILITIES
276 Buildings
5.1 M SF Total
COCOMS & MPs
2.4 M SF
BASE SUPPORT
2.0 M SF
FLYING MISSION
624K SF
HOUSING
572 Units
448 Visitors Qs
390 Dorm Rooms

TRANSPORTATION
AIRFIELD
11,000 FT Runway
921,269 SY Apron
PAVEMENTS
44 Miles Roadway
WATERWAYS
2 Channels,
47 Docks
3000' Exclusion Zone

UTILITIES
ELECTRICAL
58 Miles of High Voltage DIST
WATER
76 Miles OF DIST
SEWER
48 Miles OF DIST
WWTP
GAS
25 Miles OF LINE

SECURITY & MISSION
6 Mile Land perimeter
8.6 Miles Water Perimeter
4 Entrance Gates
24 Aircraft
19,000+ Populous

NATURAL
1195 Acres Wetlands
25 Protected Species
21 Clean Up Sites
80% in 100-yr Flood Plain

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Design/Construction Execution

- $25M in In-House Annual Design Capacity and Prepare Projects as Either Design/Build or Design/Bid/Build

- Majority of Program Executed Through 6 CONS by our MACC and MATOC Design/Build Contractors
  - MATOC is used for smaller projects < $1M
  - MACC used for larger, more complicated projects
  - In the process of awarding a new MACC; ECD: late Jun 20

- Corps of Engineers is construction agent for MILCON
FY21-25 BCAMP Guidance

- Projects competing for Centralized (BCAMP/AFCAMP) funding must be:
  - > $2M (Sustainment repair)
  - > $1M (Restoration & Modernization)

- Projects below this threshold compete for Decentralized funding

- Decentralized funding amount based on formula
  - %FSM (Facility Sustainment Model) (60% Variable)
  - SMS Data Currency & Completeness (10% Variable)
  - Prior Yr Obligation Rates (30% Variable)
<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>PA ($K)</th>
<th>Program</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-0006</td>
<td>Repair Roofs, MFAC</td>
<td>&gt;$1M</td>
<td>FY20</td>
<td>Awarded</td>
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<tr>
<td>17-00743</td>
<td>Repair HVAC Chapel B355</td>
<td>&gt;$1M</td>
<td>FY20</td>
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<tr>
<td>14-0138</td>
<td>Repair HVAC PAX Term, B90</td>
<td>&gt;$1M</td>
<td>FY20</td>
<td>Awarded</td>
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<tr>
<td>17-0089</td>
<td>RPR Grounding Points Approach Pier B1603</td>
<td>&lt;$0.5M</td>
<td>FY19 Retained Awarded</td>
<td>Awarded</td>
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<tr>
<td>11-0204</td>
<td>Convert B378 Back to Dorm</td>
<td>&gt;$5M</td>
<td>FY19 Retained</td>
<td>Awarded</td>
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<tr>
<td>13-0040</td>
<td>Repair HVAC DUC B71</td>
<td>&gt;$1M</td>
<td>FY20</td>
<td>Designed</td>
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<tr>
<td>16-0123</td>
<td>Rpr HVAC &amp; Renovate COMM Fac B262</td>
<td>$0.5 - $1M</td>
<td>FY19 Retained</td>
<td>Bid</td>
</tr>
<tr>
<td>17-0034</td>
<td>Repair Taxiway Kilo &amp; Lima</td>
<td>&gt;$1M</td>
<td>FY20</td>
<td>Designed</td>
</tr>
<tr>
<td>18-0058</td>
<td>Convert H5 to KC135 Fuel Cell Maint Hgr</td>
<td>&gt;$5M</td>
<td>FY20</td>
<td>Designed</td>
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## FY20 DECENTRALIZED FSRM PROJECTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>PA ($K)</th>
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<tbody>
<tr>
<td>16-0003</td>
<td>Maintain Airfield Markings</td>
<td>&gt;$1M</td>
<td>Awarded</td>
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<tr>
<td>18-0084</td>
<td>Maintain Paint MFAC</td>
<td>&lt;$0.5M</td>
<td>Awarded</td>
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<tr>
<td>19-0034</td>
<td>Repair Base Pavements &amp; Parking Lots</td>
<td>&gt;$1M</td>
<td>Awarded</td>
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<tr>
<td>19-0103</td>
<td>Repair PDS between B501 (SOCOM) and B570 (CENTCOM)</td>
<td>&lt;$0.5M</td>
<td>Bid</td>
</tr>
<tr>
<td>19-0090</td>
<td>Replace HVAC Chiller, Control Tower</td>
<td>&lt;$1M</td>
<td>Awtg Bid</td>
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<tr>
<td>19-0042</td>
<td>Replace HVAC Chiller, Hangar 4</td>
<td>&lt;$1M</td>
<td>At CONS</td>
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<tr>
<td>19-0104</td>
<td>Repair HVAC System Bldg 926</td>
<td>&gt;$1M</td>
<td>At CONS</td>
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<td>17-0095</td>
<td>Repair Taxiway Signage</td>
<td>&gt;$1M</td>
<td>At CONS</td>
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<tr>
<td>Project #</td>
<td>Project Title</td>
<td>PA ($K)</td>
<td>Status</td>
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<tr>
<td>16-0112</td>
<td>Replace HVAC Bldg 530</td>
<td>&lt;$0.5M</td>
<td>Bid</td>
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<tr>
<td>17-0007</td>
<td>Renovate MFRC, Bldg 38</td>
<td>&lt;$1M</td>
<td>At CONS</td>
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<tr>
<td>19-0076</td>
<td>Repair CENTCOM Utility Plant Chiller</td>
<td>&lt;$0.5M</td>
<td>Designed</td>
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<tr>
<td>19-0094</td>
<td>Replace Roof Bldg 1047</td>
<td>&lt;$0.5M</td>
<td>Designed</td>
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<tr>
<td>20-0007</td>
<td>Repair HVAC DFAC, Bldg 263</td>
<td>&lt;$0.5M</td>
<td>Designed</td>
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<tr>
<td>20-0001</td>
<td>Repar CDC HVAC, Bldg 381</td>
<td>&gt;$1M</td>
<td>Designed</td>
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# FY21 CENTRALIZED FSRM PROJECTS

<table>
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<tr>
<th>Project #</th>
<th>Project Title</th>
<th>PA ($K)</th>
<th>Program</th>
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</thead>
<tbody>
<tr>
<td>16-0145</td>
<td>Upgrade Lighting MFAC</td>
<td>&gt;$1M</td>
<td>Savings</td>
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<tr>
<td>18-0061</td>
<td>Demo Boat Maintenance Yard B665</td>
<td>&lt;$0.5M</td>
<td>Demo</td>
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<tr>
<td>18-0062</td>
<td>Demo Old DRMO Warehouse B1110</td>
<td>&lt;$0.5M</td>
<td>Demo</td>
</tr>
<tr>
<td>19-0028</td>
<td>Demo Former Dorm B372</td>
<td>&lt;$0.5M</td>
<td>Demo</td>
</tr>
<tr>
<td>19-0029</td>
<td>Demo Former VQ B390</td>
<td>&lt;$0.5M</td>
<td>Demo</td>
</tr>
<tr>
<td>17-0024</td>
<td>Reconstruct North Apron Sections</td>
<td>&gt;$1M</td>
<td>UPL</td>
</tr>
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</table>
Ongoing MILCON Projects

- Army Reserve Beddown – 200-member Army Reserve Center and Aviation Support Facility for 8 UH-60 and 15 HH-60 Blackhawk helicopters
Ongoing MILCON Projects

- New OG/MXG HQ - 14,548 SF facility including offices, administration and ancillary space

- Flight Simulator Addition - 4,946 SF addition and reconfigure interior space for an additional flight simulator bay
Future UMMC/DLA/MILCON Projects

- FY21-23 Potential UMMC - ADAL B1066 for Pass & ID - Adds 3,900 SF to & alters 4,300 SF to create a properly configured & adequately sized Pass & ID facility (> $1M)

- FY24 - Add/Alter Fuel Hydrant System – Adds 894 linear meters of pipe and 3 fuel hydrant pits (> $5M)

- FY25+ - Replace Fire Station 2 – Current station built in 1941; corrects safety hazards and meet response times (> $10M)

- FY27+ - COCOM Essential Power Upgrade - Project will provide a new feeder to augment electrical distribution network and enable continued operations after power outage (> $10M)
Future MILCON Projects

- **FY29+ - SOCCENT Operational Facility** - Constructs a 25K SF facility to correct existing space shortfalls, move staff out of off-base leases and on-base temp buildings, and meet needs of SOCCENT auth/funded staff growth.

- **FY29+ - USSOCOM Global Messaging Facility** - New SecDef Directed Mission; constructs 100K SF facility to house up to 600 additional personnel.

- **FY29+ - USCENTCOM Operational Facility** - Constructs 247SF facility and moves ~600 personnel currently in temporary facilities into permanent.
Overview

- THE 6 CES TEAM

- 6 CES PORTFOLIO

- FY20/21 FSRM and MILCON

- Other Initiatives and Challenges
RESILIENCY INITIATIVES

- Energy Resilience and Conservation Investment Program (ERCIP)
  - FY20 – potential EMCS Project
  - FY21 – potential funding to move remaining overhead electrical distribution underground
  - FY23 – Energy Resilience: Transmission and Switching Stations (potential for FY22)

- Energy Assurance Lease
  - Partnership with TECO--working thru SAF OEA and AFCEC/CI
  - Natural gas electric generation system and battery energy storage system owned, operated, and maintained by TECO and installed on MAFB

- Pursuing UESC opportunities
COMMUNITY PLANNING INITIATIVES

- Working with Office of Economic Adjustment for a Compatible Use Plan (CUP)
- CUP will supplement the 2006 Joint Land Use Study (JLUS) by addressing resilience and adaption, with a focus on how a changing climate has/will continue to impact MAFB
  - Incompatible development and climate vulnerability has been a concern of Wing Leadership since the last JLUS in 2006
  - Will assist City of Tampa in developing policies and strategies regarding development in this area
COVID-19 Impacts

- EOC operational since March
- No additional funding from CARES Act yet
- Construction projects have continued as planned
- Platooning staff using a Bucs/Bolts schedule
- Teleworking is working better than anticipated
- Had to get creative with custodial contract
- Adjusting plans for Hurricane Response
Summary

- Dedicated Total Force Team that works together to meet mission needs
- Serve a broad portfolio supporting two Wings, USCENTCOM, USSOCOM, SOCCENT, MARCENT, JCSE and 28 other Mission Partners
- Currently working FY20/21 FSRM Program and current/future MILCON Program -- funds are tight
- Looking at innovative ways to improve base resilience
- COVID-19 has impacted 6 CES... mission continues

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Questions?