DISCLAIMER: Although the subject matter of the following presentation deals with an ongoing or announced program by the Department of Defense, the views presented here are those of the speaker and DO NOT necessarily represent the views of the Department of the Navy, DoD or its components.

Reference: 5 CFR 3601.108
Recognizing Engineers

**Engineers: Invent Amazing...**

- Celebrate how engineers make a difference in our world
  - One Guam/Green Guam

- Increase public dialogue about the need for engineers

- Bring engineering to life for kids, educators, and parents
  - STEM Camp
  - Robotics Competition
  - Summer Hire Program
Safety….ALWAYS!!!

Top Safety Priorities

• Mishap Reduction for In-house and Contractor Workforce
  – Increase Good Catch Reporting
  – Increase Site-Visits
  – Safe Acts For Employees (SAFE) Program Review
  – Safety Training Compliance

• High Risk Activities for In-house and Contractor Workforce
  – Electrical: Working On or Near Energized Source
  – Fall Protection
  – Excavation and Trenching
  – Crane Operations
  – Confined Space Entry
A Year in Review

• FY18 Execution Metrics
  – Construction $255M
  – Design $153M
  – Services/Demo $151M

• H2B Visa Adjudication Process
• MEC Program Maturation
• Guam BOS Contract
• MILCON Project Awards
  – J-006 Apra Medical/Dental Clinic
  – J-755 Urban Combat Training
  – P-250 MALS Facilities
  – P-260 Corrosion Control Hangar
  – P-601 Aircraft Maintenance Hangar #2
  – P-652 Hardening of Guam POL Infrastructure
  – P-0600 Installation Control Center
  – P-1709 Construct Fuel Truck Offload Facility

Marine Relocation Program
One Guam Pillar: Utilities

• **Northern Guam Lens Aquifer Monitoring**
  o Track water quality & maintain best management practices throughout Guam
  o Site approvals granted for 9 of 10 proposed observation wells on DoD property

• **Data Sharing**
  o Navy & GWA developing an MOU to outline the parameters and responsibilities associated with sharing data needed to further “One Guam” partnership

• **Renewable Energy Initiatives**
  o GPA and REPO signed a Lease Agreement for 164 acres
  o GPA solicitation to install ~38 MW of Solar PV arrays with 100% energy-shifting battery storage to ensure reliability
  o Completed island-wide grid integration study Navy and GPA renewable projects
Environmental Considerations

- Contractor responsible for Env Compliance; obtain all necessary licenses and permits (Permits and Responsibilities FAR clause)
  - Air permit (fugitive dust, asbestos, generators and fire pumps)
  - Water/sewer system design approval
  - Clearing and grading permit
  - NPDES construction general permit/NOI
  - Water quality certification
  - Solid waste permit

- Need experienced and qualified Env Managers w/ local knowledge
  - Provide cultural and natural resources awareness training

- Keep activities within project boundaries
  - Identified during NEPA, ESA Section 7 and NHPA Section106 consultation process

- Additional requirements from EA/FONSI, EIS/ROD, Biological Opinion, and/or Programmatic Agreement requiring regulatory engagement
  - Protective measures for sensitive cultural and natural resource areas to include archaeological monitoring or translocation of endangered species
  - Biosecurity provisions for invasive species (CRB and LFA)
  - Hydrogeological assessments for presence of sinkholes/depressions
Munitions & Explosives of Concern (MEC)

Explosive Safety Submission (ESS)
- Required for all DoD projects or DoD property ground-intrusive activities
- Amendment 7 pending
  - More clearly defined policy/requirements
  - Some relief for previously disturbed areas
  - Enables new technologies and contractor innovation

CNO Exemptions and Clarifications
- E1-16B: Conditionally allows digging 36 inches below surface using 60mm precautions; creates soil management concern
- E1-16C: Clarifies some soil management issues raised by E1-16B
- Letter of Clarification: Not required to enforce safety buffers off DoD property, but does requires data collection and planning

Way Ahead
- After Action Reports are CRITICAL!
- Continue historical record development
- Encourage innovative technical approaches to MEC clearance
Two Decades of Delivering Critical Mission Support

- In 2000, all NBG BOS services were contracted as a result of A-76 privatization study
- The Guam BOS Contract continues to be one of the Navy’s largest
- Services include: port operations, ordnance, material mgmt, facility mgmt, facility investment, utilities, transportation, and environmental
- NAVFAC Pacific is in the process of procuring a new BOS contract with anticipated award in Q2 FY20
- Existing BOS bridge contract will expire in February 2019; 5th bridge contract will be awarded to ensure continuation of services
NAVFAC provides specialized facilities engineering, technology solutions, and life-cycle management of fuels infrastructure for DoD Supported Commands.

**Tank Clean-Inspect-Repair Projects ($59.8M)**
- TO-0021 CIR Tank 14 - Andersen AFB $2.2M
- TO-0006 CIR Tanks B2, S4 - Sasa Valley $6.8M
- TO-0003 CIR Tanks U30, U31, U30, U34 - Tenjo Vista $7.7M
- TO-0006 CIR Tanks U29, U35 - Tenjo Vista $4.2M
- TO-F4000 CIR Tanks B1, U1, U6, U8 - Sasa Valley $6.2M
- TO-F4020 CIR Tanks U17, U19, U20, S4 - Sasa Valley $6.9M
- TO-F4120 CIR Tanks U9, U10, U11, U13, U14, U15, U16 $25.8M

**Pipeline Repair Projects ($26.0M)**
- TO-0035 Maintain/Repair Pipelines, Delta-Echo $6.2M
- TO-X064 Maintain/Repair Pipelines, Sasa & Tenjo $16.8M
- TO-F4068 Guam Pipeline Integrity Mgmt Plan $3.0M
Marine Relocation Overview

Main Cantonment

Sea Embarkation

Live Fire Training

Air Embarkation

Family Housing

Urban Training
Guam Military Construction Workload

- USMC
- USAF
- USN
- Other
Guam Military Construction Program

LEGEND

Ongoing (DPRI)
Ongoing (Non-DPRI)
Planned (DPRI)
Planned (Non-DPRI)

**Ongoing (DPRI)**

- P-425 Modular Stor Mags, $52M
- P-535 Sanitary Sewer Recap, $41M
- P-652 Harden Guam POL Infra, $25M
- P-680 Harden Elec P-25, $1.4M

**Planned (DPRI)**

- P-102 Power Upgrade Harmon, $29M
- J-001B Utilities & Site Improv, $165M
- P-311 Central Fuel Station
- P-459 BEQ H
- P-804 Central Issue Facility
- J-011 Base Admin Bldg
- J-016 BEQ A
- J-017 Utilities & Site Improv Ph2
- J-030 BEQ B

**Planned (Non-DPRI)**

- J-279 Repl Andersen Hsg Ph1
- H-280 Repl Andersen Hsg Ph2
- P-408 Aircraft Maint Bay ARNG, $2.0M

**Ongoing (Non-DPRI)**

- P-625 BAMS Maint Hangar, $50M
- P-635 SW Landfill Closure, $8.3M
- P-0600 APR Inst Ctrl Center, $20M
- P-1360 Reserve Med Trg Fac, $4.1M
- P-1709 Trk Load & Unload Fac, $21M
- P-3004 PAR Load & Unload Fac, $17M
- P-3010 Strike Fuel Sys Hangar, $92M
- P-3027 PAR Maint Hangar, $103M
- P-3028 LO/CC Comp Rpr Shop, $28M
- P-3760 Dist Basing POL Sys, $21M

**Planned (Non-DPRI)**

- J-006 Apra Medical Clinic, $57M
- J-007 Waterfront HQ Bldg, $21M
- P-425 Modular Stor Mags, $52M
- P-535 Sanitary Sewer Recap, $41M
- P-652 Harden Guam POL Infra, $25M
- P-680 Harden Elec P-25, $1.4M
- P-491 EOD Compound Facs
- P-519 X-Ray Wharf Improv (Berth 2)
- P-554 Refuel Facs X-Ray Wharf
- P-640 Unaccomp Enlist Hsg
- P-661 Navy-Commercial Tie-In
- J-755 Urban Combat Trg, $149M

**Legend**

- P-715 Known Distance Rngs, $78M
- P-735 Multi-Purp Mach Gun Rng
- P-240 MWSS Facilities, $18M
- P-250 MALS Facilities, $36M
- P-260 Corrosion Ctrl Hangar, $46M
- P-601 Aircraft Maint Hangar 2, $64M
- P-625 BAMS Maint Hangar, $50M
- P-635 SW Landfill Closure, $8.3M
- P-0600 APR Inst Ctrl Center, $20M
- P-1360 Reserve Med Trg Fac, $4.1M
- P-1709 Trk Load & Unload Fac, $21M
- P-3004 PAR Load & Unload Fac, $17M
- P-3010 Strike Fuel Sys Hangar, $92M
- P-3027 PAR Maint Hangar, $103M
- P-3028 LO/CC Comp Rpr Shop, $28M
- P-3760 Dist Basing POL Sys, $21M
- J-001B Utilities & Site Improv, $165M
- J-017 Utilities & Site Improv Ph2
- J-030 BEQ B
- J-103 Water Well Field
- J-279 Repl Andersen Hsg Ph1
- H-280 Repl Andersen Hsg Ph2
- P-408 Aircraft Maint Bay ARNG, $2.0M
<table>
<thead>
<tr>
<th>Project Title</th>
<th>Proj No</th>
<th>FY</th>
<th>Installation</th>
<th>Amount</th>
<th>Fund</th>
<th>Award</th>
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<tbody>
<tr>
<td>NAVY COMMERCIAL TIE-IN HARDENING</td>
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<td>FY18</td>
<td>NBG</td>
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<td>FY20</td>
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<tr>
<td>DPRI WATER WELL FIELD</td>
<td>P-103</td>
<td>FY18</td>
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<td>MCON</td>
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<td>REPLACE ANDERSEN HOUSING PH I</td>
<td>H-279</td>
<td>FY17</td>
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<td>REPLACE ANDERSEN HOUSING PH II</td>
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<td>APR – BULK STORAGE TANKS</td>
<td>P-60600</td>
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<td>Darwin, AU</td>
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<tr>
<td>APR - SATCOM C4I FACILITY</td>
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<td>BACHELOR OFFICER QUARTERS COMPLEX</td>
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<td>AAFB</td>
<td>$100-$250M</td>
<td>GOJ</td>
<td>FY21</td>
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# Military Construction Program

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Proj No</th>
<th>FY</th>
<th>Installation</th>
<th>Amount</th>
<th>Fund</th>
<th>Award</th>
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<td>FY19</td>
<td>NBG</td>
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<td>ACE GYM AND DINING FACILITY</td>
<td>P-270</td>
<td>FY19</td>
<td>AAFB</td>
<td>$25-$100M</td>
<td>MCON</td>
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<td>ORDNANCE OPERATIONS</td>
<td>P-295</td>
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<td>AAFB</td>
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<td>MACHINE GUN RANGE</td>
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<td>EARTH COVERED MAGAZINES</td>
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<td>AAFB</td>
<td>$25-$100M</td>
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<td>UPGRADE TANK FARM</td>
<td>P-19S2</td>
<td>FY19</td>
<td>NBG</td>
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<td>DLA</td>
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<td>FY19</td>
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<td>FHN</td>
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<td>APR – 3 HAYMAN MUN STORAGE IGLOO, MSA2</td>
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<td>$1-$25M</td>
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<td>APR – CARGO PAD WITH TAXI EXTENSION</td>
<td>P-9030</td>
<td>FY19</td>
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<td>APR – MAINTENANCE SUPPORT FACILITY</td>
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<td>TACMOR UTILITIES &amp; INFRASTRUCTURE SUPP</td>
<td>P-8127</td>
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<td>$1-$25M</td>
<td>MCAF</td>
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<td>BACHELOR ENLISTED QUARTERS A</td>
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<td>BACHELOR ENLISTED QUARTERS B</td>
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<td>$100-$250M</td>
<td>GOJ</td>
<td>FY20</td>
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</tbody>
</table>

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Small Business Participation

- NAVFAC Marianas provides maximum practicable opportunities for SB concerns
- Total contracts average about $324.5M annually over the last 5 years

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>PERCENTAGE</th>
<th>DOLLARS</th>
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</thead>
<tbody>
<tr>
<td>Small Business (SB)</td>
<td>55.42%</td>
<td>$179.8M</td>
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<tr>
<td>Small Disadvantaged Business (SDB)</td>
<td>44.85%</td>
<td>$145.5M</td>
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<tr>
<td>HUBZone Small Business (HZSB)</td>
<td>30.19%</td>
<td>$97.9M</td>
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<tr>
<td>Women-Owned Small Business (WOSB)</td>
<td>5.54%</td>
<td>$18.0M</td>
</tr>
<tr>
<td>Service-Disabled Veteran-Owned SB (SDVOSB)</td>
<td>1.99%</td>
<td>$6.5M</td>
</tr>
</tbody>
</table>

Help us help you:

- Keep your registrations active and updated
- Take advantage of SBA certifications (HUBZone, 8(a), etc.)
- Seek subcontracting opportunities with large prime contractors

NAVFAC Marianas POC: Al Sampson, SB Program Manager
# FY19 Multiple Award Contract Vehicles

<table>
<thead>
<tr>
<th>Contract Vehicle</th>
<th>Type</th>
<th>Capacity</th>
<th>RFP/Award</th>
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</thead>
<tbody>
<tr>
<td>NAVFAC PAC Guam DBMACC(Unrestricted)</td>
<td>MACC</td>
<td>$990M</td>
<td>FY19 Q4 (Award)</td>
</tr>
<tr>
<td>NAVFAC MAR Basewide Paving</td>
<td>IDIQ</td>
<td>$75M</td>
<td>FY19 Q4 (RFP)</td>
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<tr>
<td>NAVFAC MAR 8(a) MACC</td>
<td>MACC</td>
<td>$75M</td>
<td>FY19 Q2 (Award)</td>
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<tr>
<td>NAVFAC MAR HUBZone MACC</td>
<td>DBMACC</td>
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<td>FY19 Q3 (RFP)</td>
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<tr>
<td>Plan Award</td>
<td>Project Title</td>
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<tr>
<td>------------</td>
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<tr>
<td>Q2</td>
<td>Annual Airfield Maintenance</td>
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<tr>
<td>Q2</td>
<td>Repl Fire Alarm Sys B1625</td>
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<tr>
<td>Q2</td>
<td>Repair Taxiway C Ph 2</td>
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<tr>
<td>Q2</td>
<td>Repl Airfield Fence</td>
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<tr>
<td>Q2</td>
<td>Paving Repair Projects Ph 1</td>
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<tr>
<td>Q2</td>
<td>Roof Repair, Various Facilities</td>
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<tr>
<td>Q2</td>
<td>Convert Locker Rm to Women Restroom</td>
<td></td>
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<tr>
<td>Q2</td>
<td>Renovate Space for Comm Supp Coord</td>
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<tr>
<td>Q2</td>
<td>Top of the Rock Kitchen Remodel</td>
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<tr>
<td>Q3</td>
<td>Painting, Multiple Facilities</td>
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<tr>
<td>Q3</td>
<td>Renovate Parachute Drying Tower</td>
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<td>Q3</td>
<td>Install Fire Stn Alert Sys, Various Fac</td>
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<tr>
<td>Q3</td>
<td>Repl Utility Feeder #1</td>
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<tr>
<td>Q3</td>
<td>Install Generator &amp; ATS, B61305</td>
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<tr>
<td>Q3</td>
<td>AH/UH/Lodging MX Contract</td>
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<td>Q4</td>
<td>Repl Sand Blaster Sys, B21008</td>
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<td>Q4</td>
<td>Install Fire Det Sys, B1605</td>
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<td>Q4</td>
<td>BOSC HVAC, Multi Facilities</td>
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<td>Q4</td>
<td>Repl Generators, Multi Facilities</td>
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<tr>
<td>Q4</td>
<td>MUNS Paving Repair Ph 2</td>
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<tr>
<td>Q4</td>
<td>24R Glidescope Tower Concrete Pad</td>
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AAFB FY19 Sustainment, Restoration & Modernization

$29.4M Planned Awards
<table>
<thead>
<tr>
<th>Plan Award</th>
<th>Project Title</th>
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<tbody>
<tr>
<td>Q2</td>
<td>Relocate GOLAN to Bldg 368 New Dog Kennel</td>
</tr>
<tr>
<td>Q2</td>
<td>REPLACE ALL 6 AIR-COOLED CONDENSER UNITS</td>
</tr>
<tr>
<td>Q2</td>
<td>REPAIR ACCESS WAY, 10 HARD STANDS IN NBGMS</td>
</tr>
<tr>
<td>Q2</td>
<td>REPAIR/RENOVATE ADMIN BUILDING, B400NM NMC HQ</td>
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<tr>
<td>Q2</td>
<td>RM16-2696, Upgrade HVAC at Multiple Facilities, Various Locations</td>
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<tr>
<td>Q2</td>
<td>Repair Magazine Floor At 820 / 18AC5, NBGMS</td>
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<tr>
<td>Q2</td>
<td>REPAIR EARTH-COVERED MAGAZINES PART I, 11 Magazines</td>
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<tr>
<td>Q2</td>
<td>Restore Parking Lot Area, adjacent to B4430 ERF, Polaris Point</td>
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<tr>
<td>Q2</td>
<td>Replace recalled fire suppression sprinkler heads at Bldg 100, Barrigada</td>
</tr>
<tr>
<td>Q2</td>
<td>Provide Walkway Lights Along Route 1, 1-B, Harbor Road and Supply Road</td>
</tr>
<tr>
<td>Q2</td>
<td>Repair and Paint Interior and Exterior of (PEB) Building 767, NBGMS</td>
</tr>
<tr>
<td>Q2</td>
<td>Repair/Upgrade Fire Protection System, B745, NBGMS.</td>
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<tr>
<td>Q2</td>
<td>NBG Gate, (ECP) EnhancementS</td>
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<tr>
<td>Q2</td>
<td>Repair and Paint Exterior of B-3179 NBG</td>
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<tr>
<td>Q2</td>
<td>INSTALL VAPOR RECOVERY SYSTEM @ NHOSP NEX AUTOPORT</td>
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<td>Q2</td>
<td>Bldg 52 Repair</td>
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<tr>
<td>Q3</td>
<td>Construct Concrete Awning for RSSI, Kilo Wharf, NBGAH</td>
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<tr>
<td>Q3</td>
<td>Install Emergncy Generator &amp; Enclosure @ Fire Station #6</td>
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<tr>
<td>Q3</td>
<td>Resolve Nuisance False Fire Alarm Activation @ CNR-24</td>
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<tr>
<td>Q3</td>
<td>Exterior Facility Repair, CKFC, Bldg 1980</td>
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<td>Q3</td>
<td>Perform Repairs To Bridges, NBGMS</td>
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<tr>
<td>Q4</td>
<td>Construct Berm/Fence at KD Range, NBGAH.</td>
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<tr>
<td>Q4</td>
<td>Construct Shade Structure At The Known Distance Range, NBGAH.</td>
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<tr>
<td>Q4</td>
<td>RENOVATE AND REPAIR ADMIN OFFICE, B. 405NM</td>
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<tr>
<td>Q4</td>
<td>Repair Roof Building 557C, Camp Covington</td>
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<td>Q4</td>
<td>Pool and deck resurface at CKFC</td>
</tr>
<tr>
<td>Q4</td>
<td>Construct Shade Structure Method of Entry Facility (Breacher House), NBGMS.</td>
</tr>
<tr>
<td>Q4</td>
<td>REPAIR EARTH-COVERED MAGAZINES PART II, NBGMS. - 32 Magazines</td>
</tr>
</tbody>
</table>

$21.8M Planned Awards
Energy Reduction / Resiliency

**FY18 EXECUTED ENERGY PROJECTS**
- Naval Base Guam Smart Grid
- $11M in HVAC Efficiency Initiatives
- $7M in Facility & Lighting Energy Improvements
- Retro-commissioning
- Chiller upgrades

**ONGOING/FUTURE ENERGY PROJECTS**
- Facility & Lighting Energy Improvements
- HVAC & Facility Upgrades
- Retro-commissioning
- 1.6MW Solar Farm
- 1MW building integrated rooftop solar

$37M Executed in FY18 Energy Program

$26M in FY19 energy projects

Energy Consumption % Change


Target
DUERS
Projects
This Year’s Challenges

• Construction Growth / Labor
• BOS Contract Transition / Growth
• Off-Guam Programs
  – Tinian
  – Australia
  – Palau
• MEC Process Improvement
• Family Housing Replacement Program
• Industry Engagement / Partnership
• Existence & Completeness- Facilities Inventory Audit
• Financial System Transition (NWCF to GF)
• Cybersecurity

Delivering Products and Services w/ SPEED and AGILITY
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