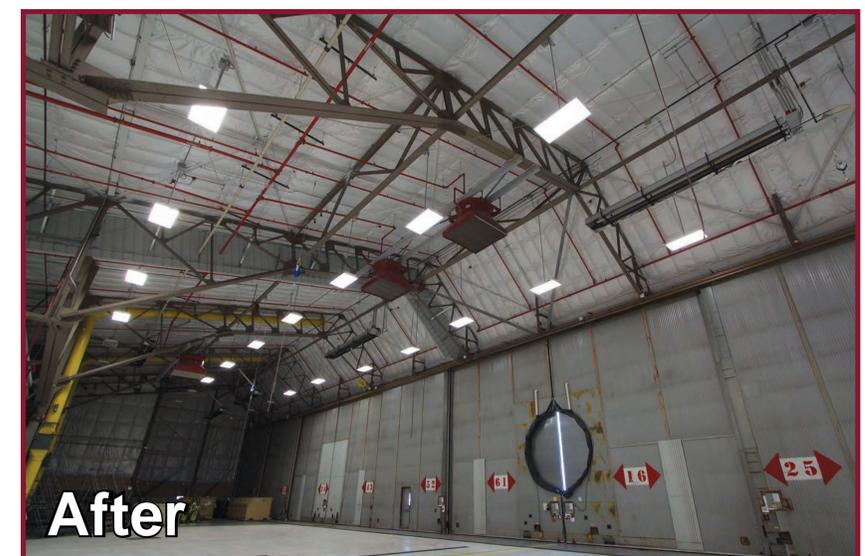




# Energy Directorate

## FY12 Accomplishments

- **Energy Intensity:** 20.02%\* reduction from 2003 baseline, 35% since 1994.
- **Meters:** Awarded \$14.2M contract to install Advanced Meter Reading Systems at 40 bases.
- **SIAs:** Awarded \$81M contract to bundle 6 building assessment processes into an SIA at 64 bases.
- **ESPCs:** Awarded \$91M Tinker ESPC with potential to reduce energy intensity 30%.
- **Renewable Energy:** Signed PPA to build Air Force's largest solar array (14.5MW) at Davis-Monthan.
- **Utility Rates:** Completed 17 assessments identifying \$9.5M of potential savings.
- **Utilities Privatization:** Completed 41 UP award decisions. Awarded 4 contracts, completed 4 post-award reviews.
- **Utility Litigation:** Negotiated \$3.4M in avoided utility cost increases.



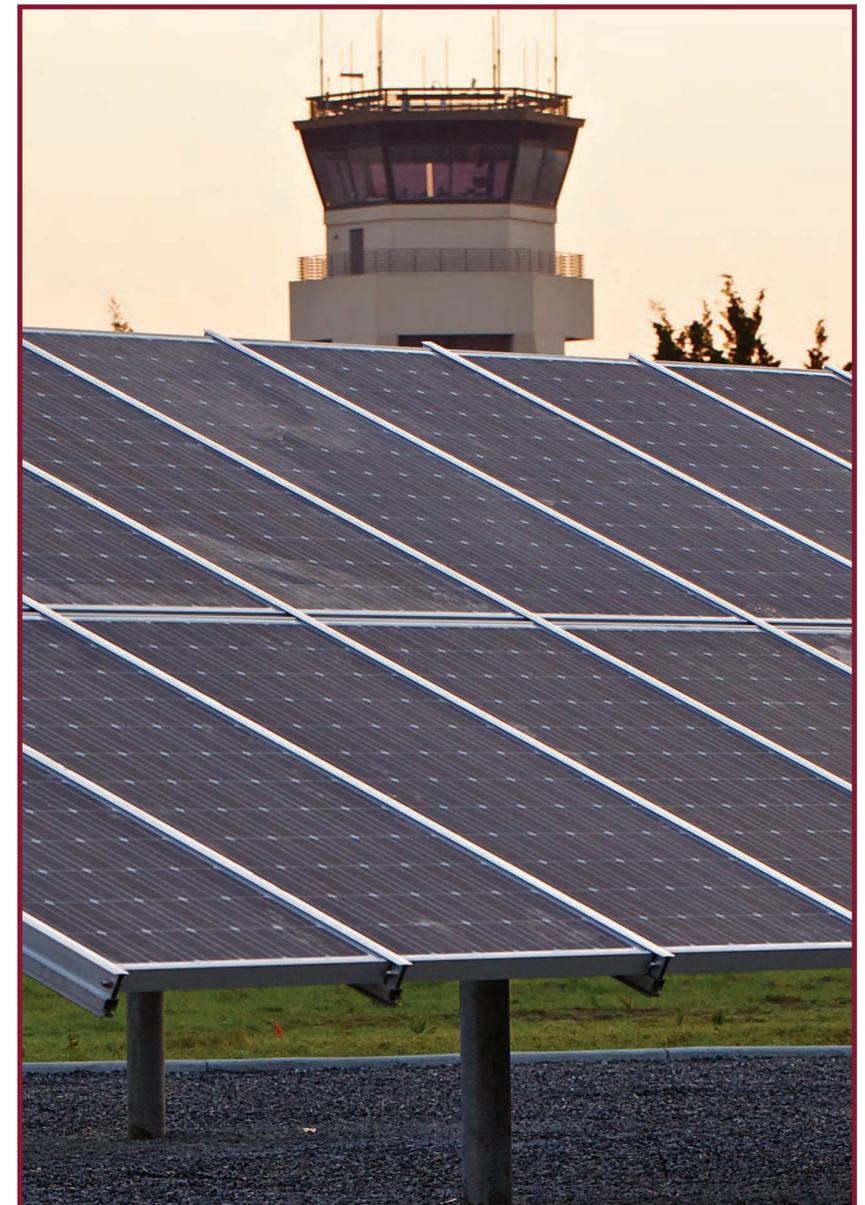
\* Data current as of Nov. 2012



# Energy Directorate

## FY13 Way Ahead

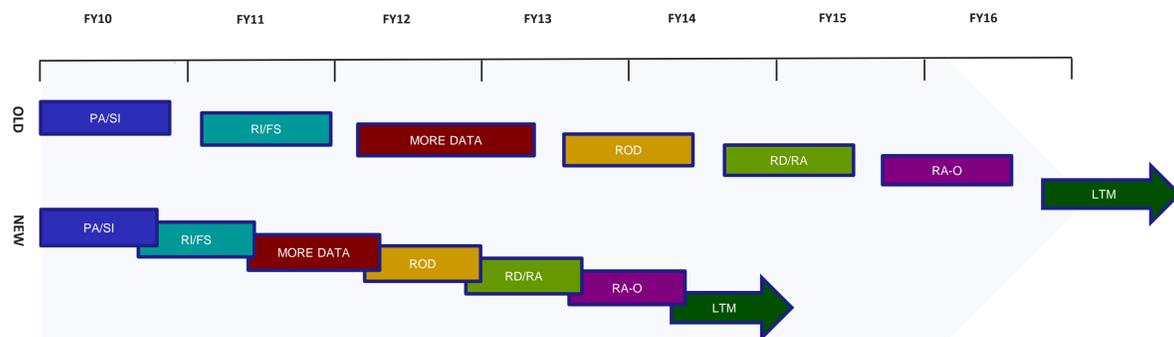
- **Establish installation-level energy intensity and renewable targets.**
- **Complete 44 new renewable energy projects.**
- **Award Advanced Meter Reading System contract for 40 additional bases.**
- **Improve facility energy reporting through design, configuration of NexGen energy.**
- **Implement programs towards EISA07 section 432 compliance: energy audits, benchmarking, recommissioning.**
- **Complete 44 Utility Privatization award decisions.**
- **Conduct 14 Utility Acquisition Assessments and identify \$3M - \$7M in potential savings.**
- **Achieve \$3M in avoided utility cost increases.**





# Environmental Center of Excellence

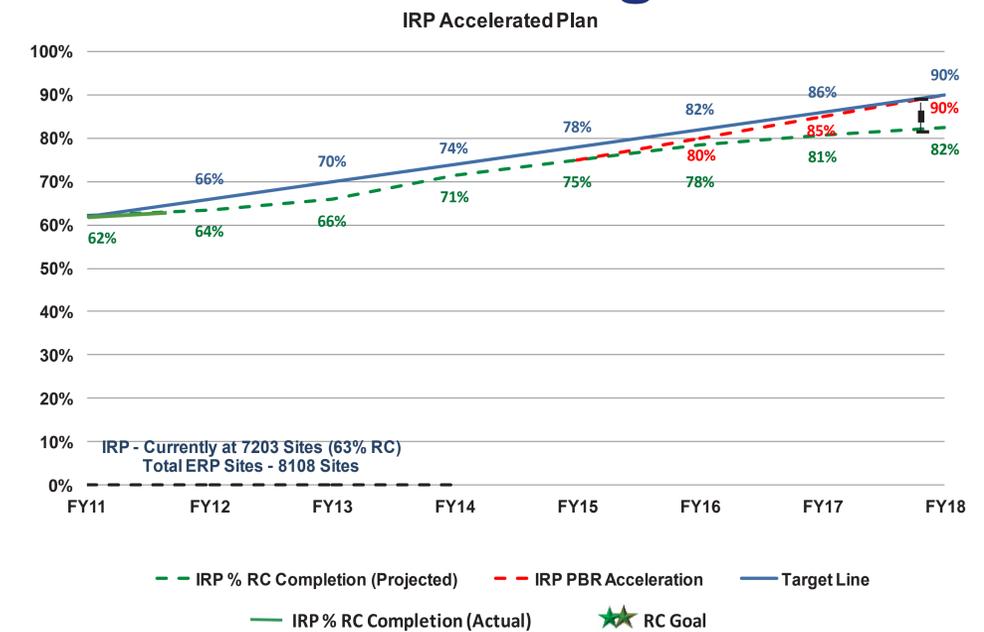
## Performance-Based Remediation



### A shorter, more efficient path to cleanup

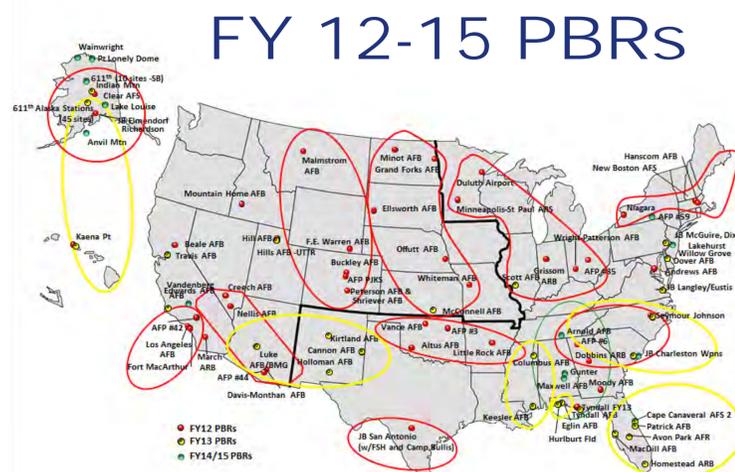
- Objective Based Contract
- Contract Payment: When objectives are met
- One contract across the spectrum
- Goal: Site acceleration/closure and lowest lifecycle cost
- Proposal not part of the contract
- Diversify risk by inclusion of many sites or bases
- Measure of success = the achievement of objectives

### Cumulative RC Progress for IRP



**OSD Goal: Achieve 90% RC at all sites by end of 2018 and 95% by 2021**

**CWE**  
**FY12: \$529M**  
**FY13: \$895M**  
**FY14/15: \$484M**



### PBR Plan and Accomplishments to Date

Fiscal Year	# of PBR Contracts	# of Bases	# of Sites	Value of PBRs	% Accelerated SCs	Savings within POP	Life Cycle Cost Reduction	Average from Proposal Receipt to Award
FY11	16	30	747	\$388M	310% (from 94-386)	13.8% (\$38.6M)	25% (\$209M)	75 days
FY12 (16/21 award)	21	51	860	\$529M	221% (from 121-388)	5% (\$10.9M)	28% (\$169.9M)	95 days
<b>Total</b>	<b>37</b>	<b>81</b>	<b>1,607</b>	<b>\$917M</b>	<b>260%</b> (from 215-774)	<b>10%</b> (\$49.6M)	<b>26%</b> (\$379M)	<b>85 days</b>



# Environmental Center of Excellence

## The Air Force NEPA Center

### Original Responsibilities

- **Established 22 Nov 2010** to improve time and cost efficiency
- **Program Support:** guidance development, enhanced contracting approaches, tracking and reporting of NEPA milestones
- **Technical Reachback:** consulting, oversight, execution, and management

### CE Transformation Additions

- **EPF** for EISs & EAs of Special Concern
- **Forecasting** and programming for EIAP
- **Spend Plan** for EIAP projects



### Accomplishments

- **PREIAP:** helps meet 6 month EA and 12 month EIS goals
- **PBC approach:** ensures focus on completion
- **Metrics:** established to track progress toward 6 and 12 month goals. Data collected and scrubbed to establish initial baselines and track trends.
- **Support:** conducted more than 60 reviews of EIAP documents in recent 12 month span

### Vision for the Future

- **Gain 7 employees** to support new CET responsibilities
- **Establish EIAP Repository** to support better, faster EIAP across the Air Force
- **Continue** focused EIAP working groups to capture locally developed best practices for use Air Force-wide





# Facility Engineering Center of Excellence

## FY12 Accomplishments

- **Managed** \$1.4B FY12 MILCON program; awarded 96% within FY
- **Executed** \$81M in MILCON, including Osan E-Club, Bellows Recreation Cabins, Andrews TLF & Munitions Storage Area
- **Executed** \$288M in SRM projects for 12 MAJCOMs at 150 locations
- **Delivered** 1,600 new/renovated homes via \$105M MILCON and 1672 new/renovated homes via Housing Privatization
- **Assumed** responsibility for \$600M Cannon SOF beddown
- **Completed** 31 planning assistance visits to develop concept designs, Area Development Plans and aircraft noise studies
- **Completed** KC-46A design/build standard designs for 9 facility types
- **F-35 bed-down program:** completed Eglin AFB's 25 MILCON projects @ \$323M and designs for Hill AFB's 4 MILCON projects @ \$27M
- **Managed** Medical MILCON Construction projects totaling \$605M and Design projects totaling \$767M.
- **Awarded** \$107M Phase #3 for \$467M Lackland Ambulatory Care Center and Andrews AFB's \$242M Ambulatory Care Center and \$23M Dental Clinic



*C-130 Squad Ops, Peterson AFB*



# Facility Engineering Center of Excellence

## FY13 Goals

- **Oversee** execution of \$402M centralized SRM/D program
- **Support** BCEs with D&C expertise to offset manpower cuts
- **Execute** 41 MILCON projects valued at \$781M, including Medical, NAF, MFH, SOF and P-341
- **Complete** 10 new dorms with over 5,000 bed spaces
- **Develop** standard BIM designs & RFPs for 13 facility types
- **Award** \$1B in Housing privatization projects for Continental, ACC III, Northern Group to improve/replace 9,600 houses; also complete 2,200 new/renovated homes via Housing Privatization
- **Manage** 30 A&E Task orders (\$100.2M) for QA Oversight, Master Planning and Design Services and build 3 AOR projects (\$280.6M), including the \$103M Afghan Ministry of Defense Headquarters
- **F-35 bed-down program:** complete Luke AFB's 7 MILCON projects @ \$130M and manage Nellis AFB's 12 MILCON projects @ \$95M
- **Complete** 100% standard designs for KC-46A program for MOB #1 and FTU sites
- **PACAF** Regional Training Center (PRTC) Initiative – Consolidate expeditionary combat skills training and deployable activities - \$239.9M program beddown
- **Continue** Medical MILCON Construction projects totaling \$605M, Award Medical MILCON projects totaling \$232M, and continue Design projects totaling \$34M



*Ambulatory Care Clinic, Andrews AFB*



# Installations Center of Excellence

## BRAC Program Management

### FY12 Accomplishments

- Completed Whole Base Transfers at Kulis, Buckley Annex, and Plattsburgh (~3,663 acres total). Transferred additional acreage at Griffiss, Mather, McClellan, and Wurtsmith. 94% of the BRAC portfolio, or more than 83,000 acres, transferred to date.

### FY13 Goals

- Complete Whole Base Transfers at Griffiss, Mather, AFRL Mesa, and Onizuka.
- On target to achieve over 99% of sites in Remedy in Place by 2015; anticipated 87% of sites in RIP by FY13.

## Real Property Management

### FY12 Accomplishments

- \$25M Fitness Center at Nellis AFB, and \$7.6M Security Forces Building and \$3.4M West Gate at Hill AFB. Reconciled 1.6 million-acre discrepancy between Bureau of Land Management and Air Force real estate records.

### FY13 Goal

- Consolidate EUL, HP and UP portfolio management (PfM) into ICE to provide one PfM manager per installation. HP and UP PfM transition underway in coordination with FENCE and AFCEC-Tyndall.

## Real Estate Transactions

### FY12 Accomplishment

- Transitioned MAJCOM Real Estate and Real Property functions to AFCEC/CI standardizing processes to gain and promote efficiencies.

### FY13 Goal

- Consolidate accountability and transactions of all 13 MAJCOMs and 160 Installations throughout the Air Force.

## Strategic Asset Utilization

### FY12 Accomplishments

- Signed Emerald Breeze EUL at Eglin AFB (\$16M). Provides infrastructure to support 96th Test Wing telemetry monitoring mission, as well as reduced leisure room rates for retired and active duty military.
- Actively managed an EUL execution portfolio valued at ~\$920M (Net Present Value).

### FY13 Goal

- Execute \$5B program endorsed by SAF/IE as planned.



# Operations Directorate

## FY12 Accomplishments

- **Subject Matter Experts (SMEs)** guided 24 technical research and criteria development projects totaling more than \$10M in airfield damage repair, pavements, wastewater, and aviation fuel systems.
- **SMEs** also executed 41 pavement condition index surveys; awarded 22 contracts totaling more than \$7M; completed 29 youth facility certification reports; produced 16 ETLs, 1 AFI, and 6 UFCs (with Army and Navy).
- **ICS Team** established nucleus of new CE industrial control system certification and accreditation team to address cyber security threats to more than 1,800 systems.
- **CE Strategic Sourcing Program** awarded acquisition for airfield LED taxiway fixtures resulting in \$3M annual cost savings and efficiency.
- **Force Development Branch** leveraged vendor training for 1,900 Airmen through strategic sourcing of design and survey software.
- **Airfield Pavement Evaluation (APE) Team** completed 60 structural, friction, and aircraft anchor evaluations at airfields worldwide.
- **Civil Engineer Maintenance, Inspection and Repair Teams (CEMIRT)** at Travis and Tyndall completed 414 work requests totaling \$5.7M.

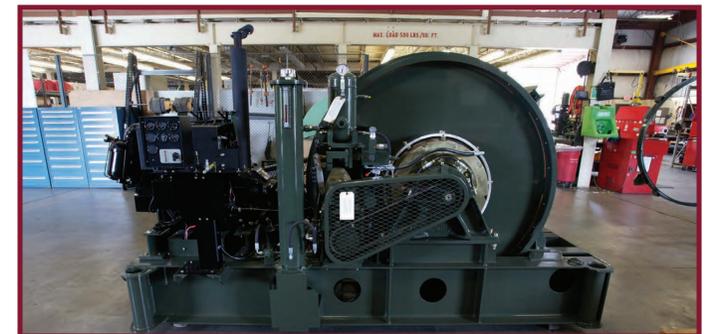




# Operations Directorate

## FY13 Way Ahead

- **Establish/implement Asset Visibility Division CONOPS**
- **Centrally fund APE & CEMIRT missions**
- **Establish CEMIRT work prioritization via AFCAMP IPL and/or ACES-PM**
- **Institute revised Sustainment Work Priorities for Operations Flights**
- **Ensure continuity of support to changing AF Cyber Security CONOPS and AMRS installs**
- **Lead implementation of new Preventive Maintenance CONOPS for Operations Flights**
- **Drive Operations Flights Capability-based Manpower Study**





# Planning and Integration

## Accomplishments

### Responsibilities: P&I assuming from HAF/A7CI

- FY14 AFCAMP Business Rules
- FY13 IPL Execution Rules
- FY15 Business Rules Development
- Requirements process/models
- Bridging Strategy for transition of Encroachment Mgmt to P&I

### Manning: Temporarily assigned to P&I

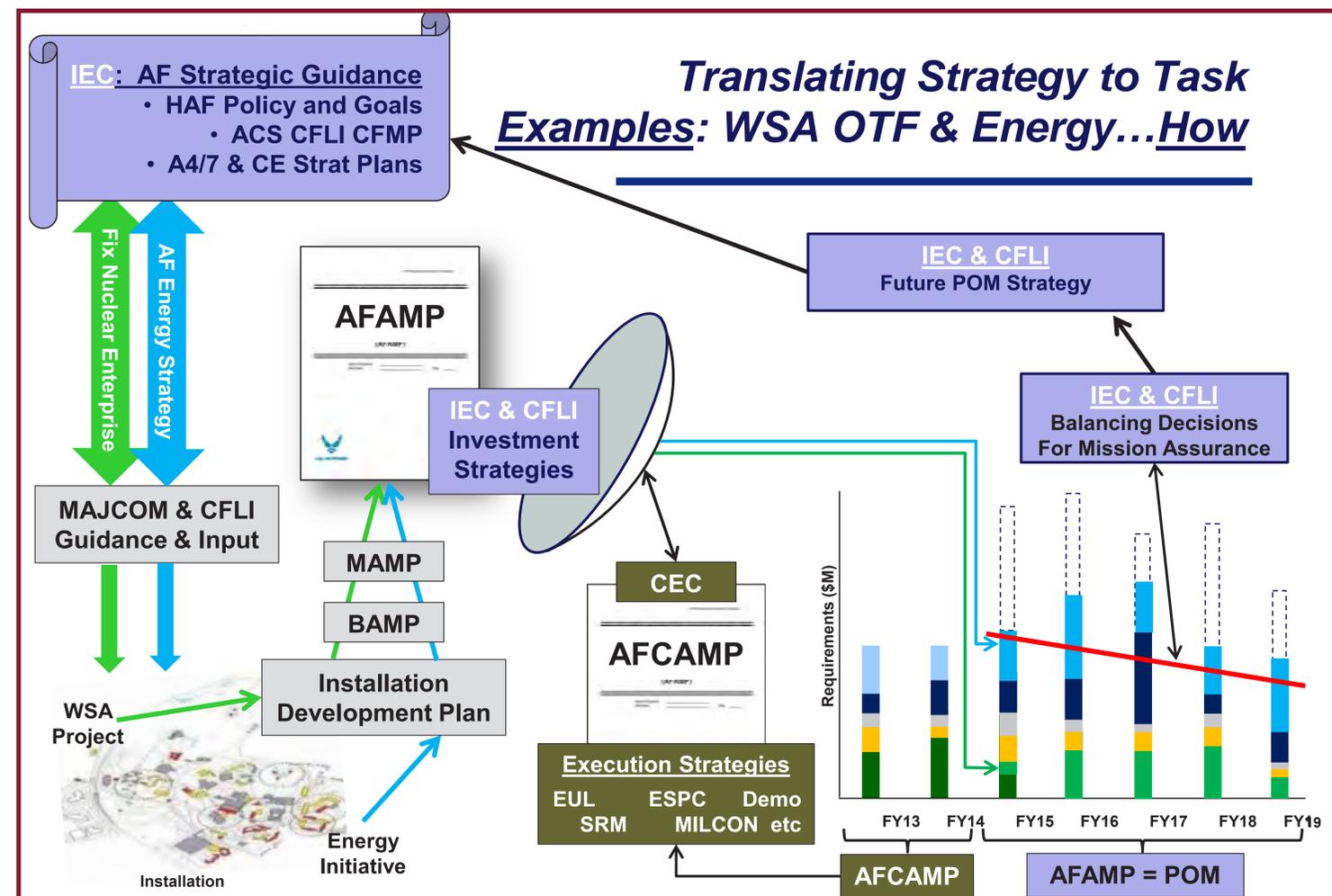
- 4 Mil / 35 Civ / 9 CME = 48 Total

### CME Staffing:

- Budgeted FY13 funds for NTIS Joint Venture for A&AS
- Engine Room staff in place

### Priorities:

- Continue P&I Stand-up, training staff, planning functions

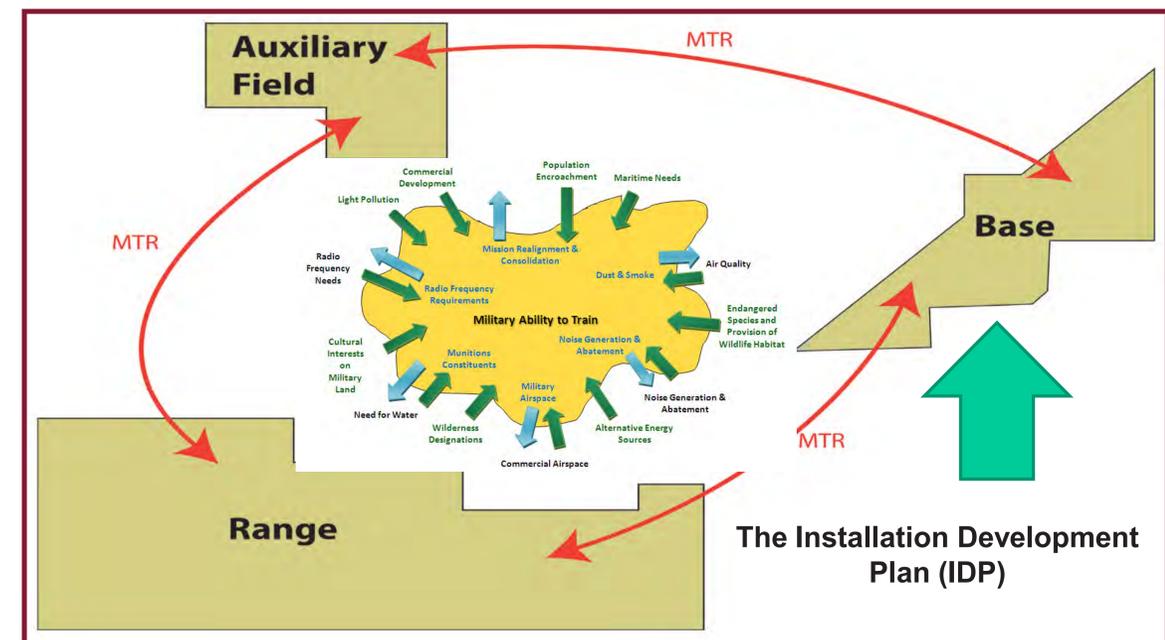




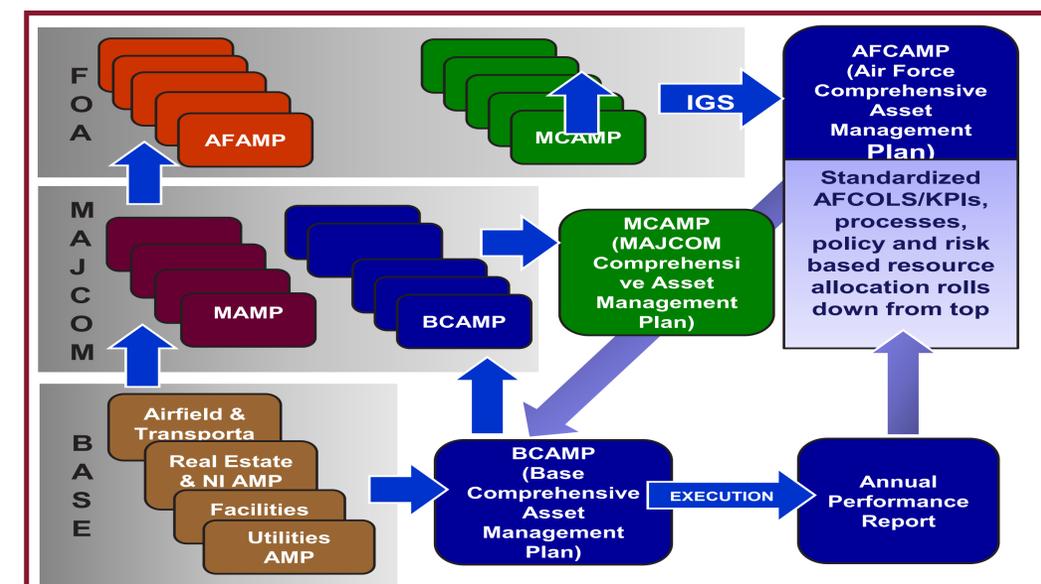
# Planning and Integration

## FY13 Goals

- **Provide:** Comprehensive Planning support to include Installation Development Plans, Encroachment/Noise/AICUZ Mgt
- **Conduct:** Installation capacity analysis for installation basing & optimization
- **Develop:** Enterprise-wide built infrastructure requirements development, identification and analysis
- **Formulate:** AF Activity Mgt Plans (AFAMP) for out year investment
- **Prepare:** AF Comprehensive Asset Mgt Plan (AFCAMP) for budget year allocation
- **Assess:** Enterprise needs for built infrastructure
- **Recommend:** Investment priorities
- **Assist:** Installations/MAJCOMs w/ activity/ asset gap analysis
- **Utilize:** Most efficient product lines
- **Effect:** Air Force policy and legislation
- **Leverage:** Private industry through P4 relationships and EULs



### COMPREHENSIVE PLANNING



### ACTIVITY INTEGRATION



# Readiness Directorate

## FY12 Accomplishments

- **Fire Vehicle Modernization:** Awarded \$66M in contracts to purchase 248 new fire vehicles. Reduced fire vehicle recap rate from 33.6 to 20 years.
- **Ultra High Pressure (UHP) Fire Fighting Technology:** Fielded new P-34 Rapid Intervention Vehicle with UHP technology; increases fire fighting capability 350%.
- **EOD Pipeline Training:** 14% reduction in Basic Course attrition after new Preliminary Course in place.
- **Asset Visibility:** Fielded over \$4M of EM equipment to 88 Units. Implemented BITS across all active AF Readiness flights and instituted standardized Inventory Control Tools; 352 personnel at 88 Units trained.
- **Airfield Damage Repair:** Developed new ADR CONOPs and fielding plan to transform base recovery ops after attack. Tested and validated new ADR methods in various scenarios.
- **CE RDT&E:** Established “provisional” Requirements and Acquisition Division. Laid the groundwork for improved CE Research and Development processes.
- **AFCAP:** Rapid response to support critical rubber removal operations in the AOR, fulfilling a recognized capability gap.





# Readiness Directorate

## FY13 Way Ahead

- Field prototype “Energy Efficient Shelter” systems in a deployed environment; continue to develop energy efficient technologies.
- Accelerate EOD accessions and increase NAVSCOLEOD throughput.
- Improve procurement and management processes for EM, CWDE, EOD, Prime BEEF and RED HORSE equipment programs.
- Develop Strategic Sourcing capability for Firefighter PPE.
- Finalize and field JFIRE suit for FES.
- Field new ADR kits and develop new training plan.
- Execute a Rapid Airfield Damage Assessment (RADAS)/ Multiple UXO removal System (MURS) Joint Capabilities Technology Demonstration (JCTD).
- Codify CE Research, Development, and Acquisition processes in AFI 63-118”.

