



NAVFAC Updates

Steven Jones, Jon Crittenden

Navy

PRESENTED BY



SPONSORS

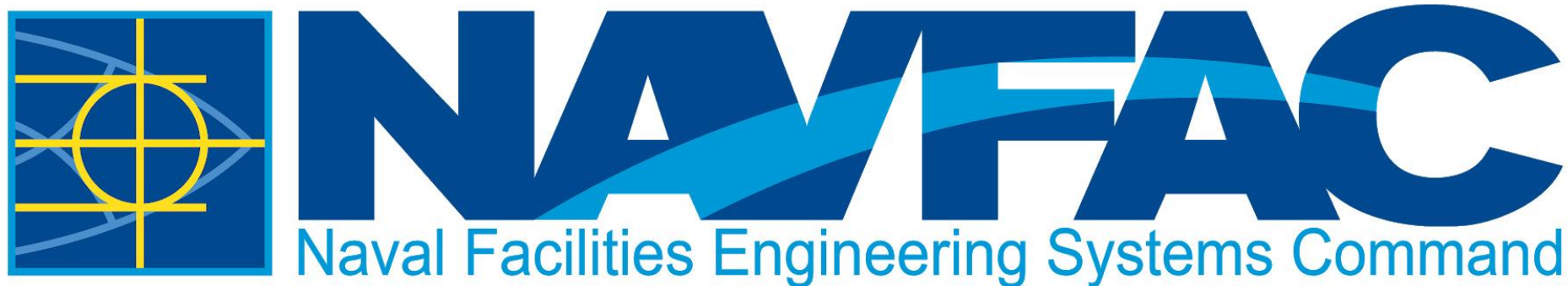


Stantec



TETRA TECH





Navy SMS Data Connections, Tools & Policies

Presentation for:

SMS Summit 2026 <https://smssummit.com>

By: NAVFAC Headquarters

Day 2

Wednesday 4 Feb 2026

1030 – 1130 CST

Agenda

- **Navy O&M Funding Picture**
- **Sustainment Dollar Flow (“Waterfall” slide)**
- **Maximo Data Interfaces Managed by NAVFAC**
- **Basic Arrangement of Navy Shore Data**
- **Building Assessments: Underpinned by Preventative Maintenance Program**
- **Utility Infrastructure Condition Assessment Program (also PMP Driven)**
- **Component Cost Catalog Development**



ST Program Allocation for ST FY26

OPNAV



\$2,684M: FY26 ST(OMN) resourced at 73.8% of FSM (\$3,636M)

CNIC



\$410M

HQ Centrally Managed/Must Fund Requirements

- 100% *Special Bills (Maintenance Dredging, Seabee Materials, Specialized Infrastructure Inspection Program, CERL SMS Support, Hangar Specialized Inspection Program, Dry Dock Seismic Analysis Program)*
- Centrally Managed ST Special Projects (\$139M)
- CNIC **Must Fund:** PWBL RS Means, Medical Readiness ST, E-28 Centrally Managed, Contingency (\$32M)

Region

\$2,274M



\$1,218M

Directed Investments Distributed To Regions

- 100% FSM LOE 1, LOE 2 (NEW For FY25)
- 100% FSM Special Bills (Naval Observatory, Thurmont, USS Constitution)
- 85% FSM Shipyards
- 80% FSM AERB/Naval Education Enterprise (NEE)
- 100% UH and Fitness Centers/ Pools
- PBIS Issues 50458, 50580, 64914, 63312, 14035, 14036, 64118))
- PMRF

\$1,466



\$Various

Rest-of-Navy ST Requirements Distributed to Regions/FEC based on FSM

- NAVFAC Labor for Public Works
- Preventive Maintenance and Service Requests (E/U/R), Various Region directed Labor
- NAVFAC Non Labor (Shop Materials, Training, Supplies, TR In support of ST)
- Local Project Planning and Designs (Funding due to FP Shortfall)
- NAVFAC Labor/Non Labor

Installation



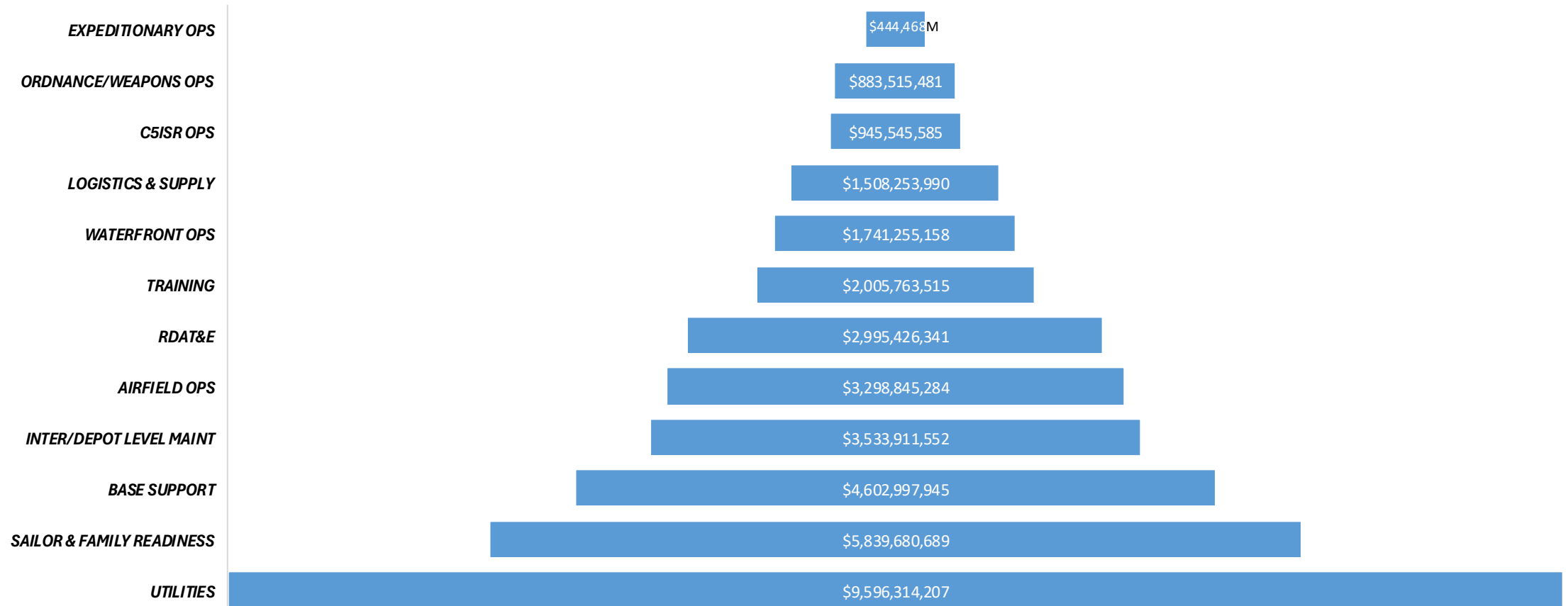
Installation ST funding vary based on level of directed investments & special bills

- Installations without directed investment or special bills are "taxed" to cover costs
- Region Managed Special Projects distributed based on Region priorities

Typical Navy Facility is funded at ~59.3% of the FSM ST Requirement

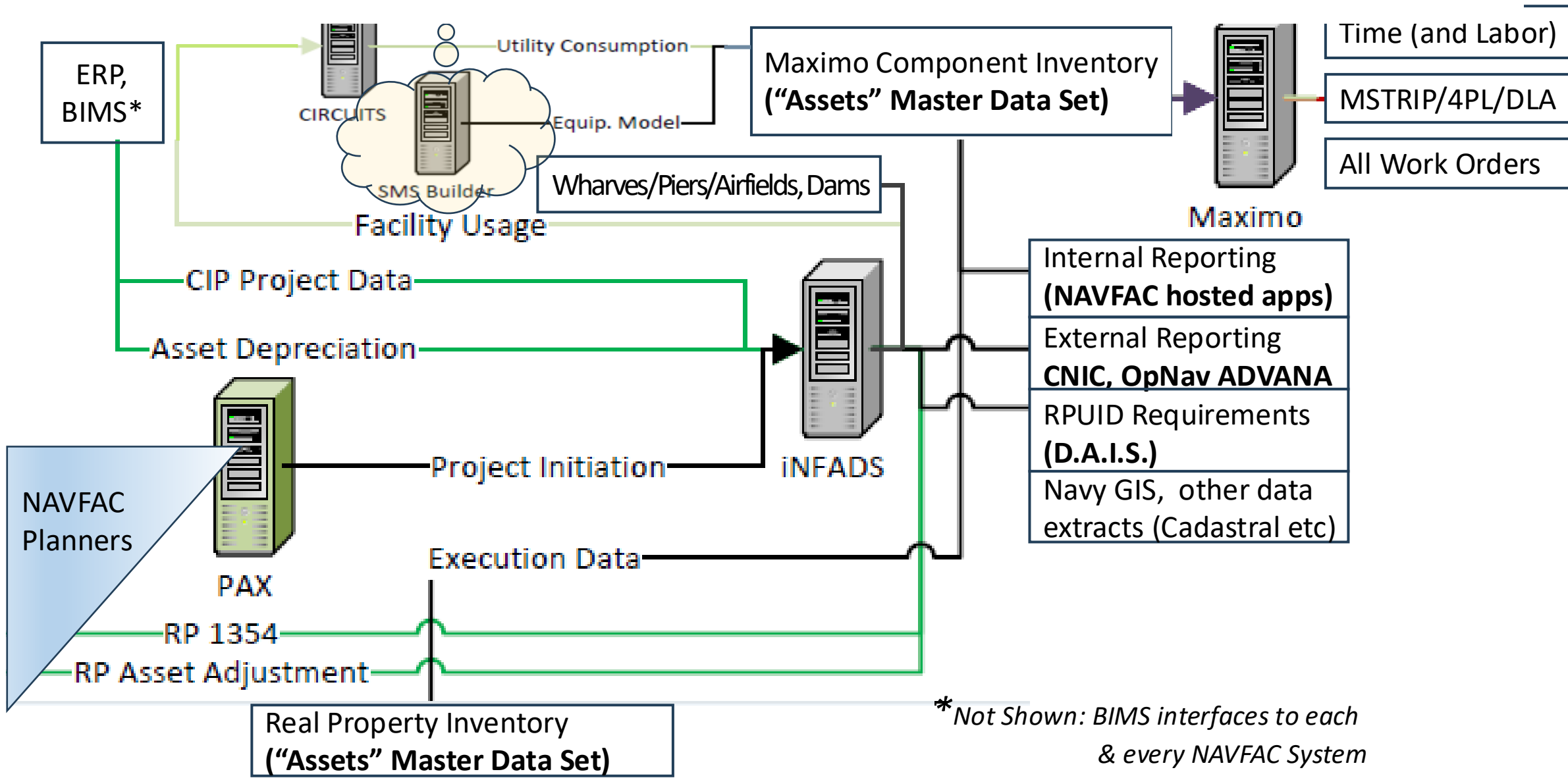
Anatomy of SMS-Generated Deferred Maintenance and Repair Backlog

Shore Backlog from SMS Tools - Navy (Deferred Maintenance and Repairs)



SMS Tools define the risk of minor and major maintenance and repair projects NOT being funded.

Navy BUILDER ↔ Maximo (DCR, SMS \$ and CI over time)



Navy Real Property Data

SMS Tools: Supported Assessment Programs

BUILDER - Infrastructure Condition Assessment Program (ICAP)

URT - Utility Infrastructure Assessment Program (UICAP)

PAVER / WATERFONTS / Other Specialized Infrastructure Proj

RMI - Zone Inspections / Safety Inspections / Fire Inspections

IN TEST

COMPLETE

IN DEV.

COMPLETE

RPA Management: Business Process or Policy

Asset Evaluations (AE)

Basic Facility Requirements (BFR)

Line of Effort (LOE) by Shore Function

Mission Criticality Index (MCI) Surveys

DD 1354 Data from Projects

MAXIMO

Condition Rating (CI)

FCI and SMS Req'ts (Facility Needs)

iNFADS

Auditable Property Record

Configuration Rating

Capacity Rating

Plant Replacement Value (PRV)

GIS

Geo-Location / Cadastral

Sustainment Model

RPAD

Legend

MAXIMO	Maint. Mgt. System
FSM	Facility Sustainment Model
iNFADS	Navy Facilities Asset Data Store
RPAD	Real Prop. Asset DB
GIS	Geo-Spatial Inform. System

Overall CBM Planning Outcomes

The planned maintenance (PM) program is designed primarily to reduce the number of breakdowns, resulting in fewer high-cost emergency responses, longer equipment life cycles, a reduction in and more balanced trouble call loading, and improved labor usage. Secondly, data derived from the PM program can provide more accurate cost projections and condition analysis models residing in SMS BUILDER; as such, the PM program underpins the ICAP program and, in effect, CBM. One of the oversight roles of the Production Division of the PWD, as alluded above, is to provide routine inspections and periodic/continuous oversight of maintenance operations. For example, the Production Division’s continuous oversight by operators of plant equipment ensures safe, reliable, and efficient operations. These employees can provide feedback on equipment conditions through routine observations of systems in their areas of responsibility.

As PM technicians perform their “most invasive inspection (within the PM cycle for a given asset)” they collect data in Maximo for use by the Facilities Management Division of the PWD. The FMD Requirements Branch uses this condition rating data for Work Planning purposes to decide where and when to apply ST funds through work orders and Maintenance Execution Plan (MEP) programming (i.e., project service requests [SRs]). Resources in the form of fixed ST funding are allocated for the development, planning, and execution of the PM program.

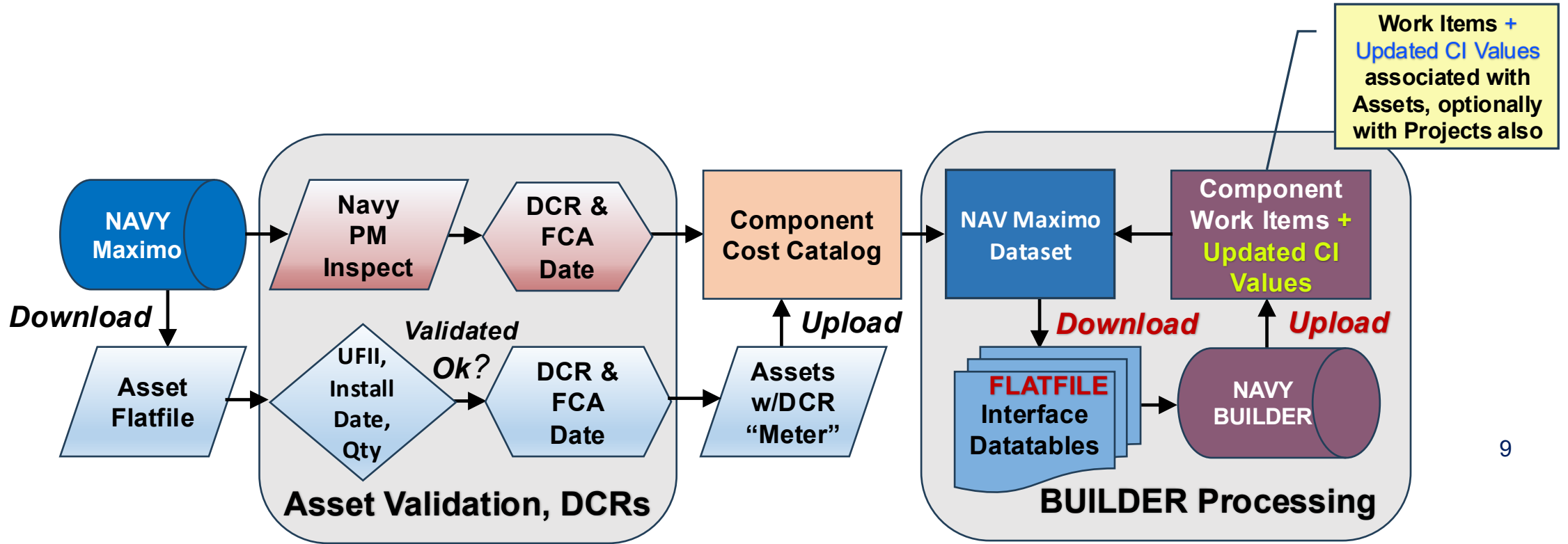
Inspections and Condition Assessments

Facility Inspections and Condition Assessments Program

ICAP is a critical part of the CBM philosophy and encompasses several BMS processes, including managing accurate inventory data (B-15.1.1) and the analysis (requirements generation) needed for creating future repair projects and generation of CNIC Installation ST IPL (comprising MEP, Maintenance Action Plan [MAP], and Long-Range Maintenance Plan [LRMP]) (B-15.1.3). ICAP also includes the ongoing inspection and assessment process per B-15.1.5. See Figure 2.5, Condition Based Maintenance Life Cycle. The IPL and project execution processes are covered in subsequent paragraphs. Service calls and PM are separate P&S deliverables and are discussed under Facilities Maintenance.

Manage Resources	
Real Property Accountability Management	
Encroachment Management	
Navy Shore Infrastructure Planning	
Site Approvals	
DD Forms 1391	
Real Estate Services	
NAVFAC Management of Projects	
Acquisition Planning	
Environmental Management	
Contract Packages	
Contracting	
Construction Services	
Facilities Maintenance and Services	
Base Operations Support Contracts	
Solid Waste Management	
Transportation Services	
Safety	8

Maximo-BUILDER Data Throughput



Red:
CURRENT STATE

Yellow / Blue:
FUTURE STATE

Utility Infrastructure Condition Assessment Program (UICAP)

UICAP Includes

- Utility Inventory and Condition Assessment
- Data Integration – MAXIMO/iNFADS/GIS
- Risk Evaluation and Investment Strategy
- Maintenance Reassessments

Utility Condition Assessments

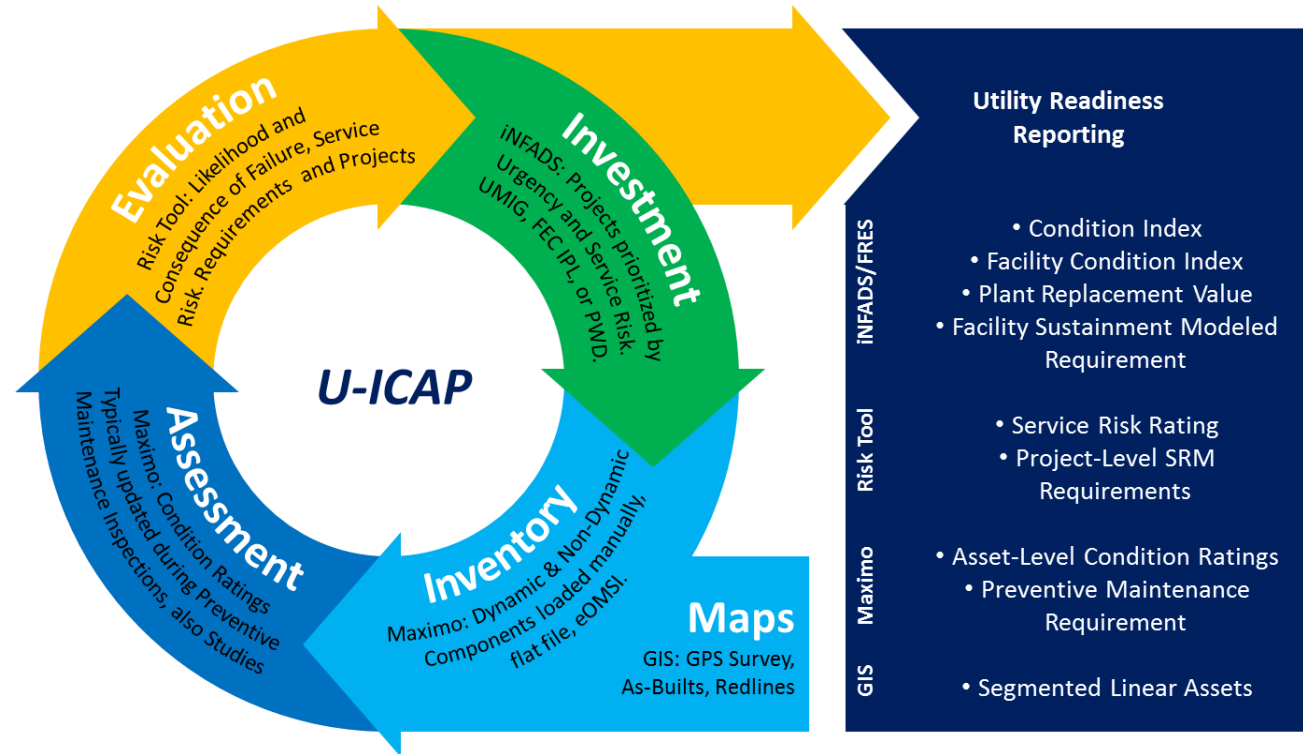
- Assessment of Asset Data best accomplished training personnel familiar with equipment and trained to standards
- Performance validation achieved through outage analysis (i.e. SAIDI/SAIFI for Electrical Distribution systems)

Risk Evaluation Assessments

- Process is designed to develop requirements and optimize SRM investments based on **Consequence of Likelihood of Failure** criteria through “Utility Risk Tool” software
- Process allows for risk prioritization

Consequence of Failure

- **Mission Disrupted Focus – Supported Commands**
- Health/Safety/Environmental and or Regulatory Compliance
- Disruption Severity – Outage time before resolution
- Number of Facilities – High Priority Facilities with MDI > 84
- Financial Impact – Cost to restore temporary and permanent service
- Asset Restoration Time – Time to restore permanent service



Likelihood of Failure

- **Equipment Condition Driven**
- Degradation Index – Condition of System/Component DI scores range from “1” New and Operational through “5” out of service
- Performance Capability – Ability to meet design/performance requirements
- Reliability – Frequency of Unplanned Repair/Maintenance
- O&M / PM Procedures – Quality of Utility Operations & Preventative Maintenance of Components

Shore CFT LOEs indicate your risk of a project NOT being funded.

Component Catalog Development

- **Catalog is adopted from CERL's cost book**
- **OSD/OSW working group**
 - **Expanding catalog as new items are identified**
 - **Creating better definitions for level 5/assembly data**
 - **Cost to include “normal” tools, equipment and labor to replace items**

Questions?

Jonathan Crittenden

Condition Based Maintenance and Sustainment

Mobile  | 202-903-3593

NIPR  – Jonathan.E.Crittenden.civ@us.navy.mil

Lauren Hedrick

Maximo Program Manager

Mobile  | 757-910-4658

NIPR  – Lauren.M.Hedrick.civ@us.navy.mil

Steven Jones

Facilities Management & Sustainment Program Coordinator

Mobile  | 540-840-7824

NIPR  – Steven.A.Jones.civ@us.navy.mil

Backup Slides

Terms/Definitions

Description of Initiatives

Policy References/Links

Future Topic of Discussion: PWO's Dashboard

Basic Data for the ICO

internet Navy Facility Assets Data Store (iNFADS)

- Navy's Accountable Property System of Record (APSR) for Real Property
- iNFADS data drives the Sustainment Model
- Includes Condition Index and LOE

MAXIMO

- MAXIMO is an IBM-developed Enterprise Asset Management (EAM) platform that helps organizations manage their assets throughout their lifecycle, including tracking, maintenance, and work management.
- MAXIMO is the SYSCOM Computerized Maintenance Management System (CMMS)
- MAXIMO data tells you how your resources are being expended
- Schedules all planned maintenance actions based on equipment inventory

GIS (Geospatial Information System)

- NAVFAC Navy-wide system that analyzes and displays geographically referenced information
- Data is inputted at the Installation and Region

FRES (Facility Readiness Evaluation System)

- FRES is a tool, not a system
- Utilizes data from iNFADS, MAXIMO, and GIS
- Includes an ICO and PWO Dashboard
- Visually shows status of facility readiness (condition, configuration, capacity)
- Calculates the Maintenance Backlog

MAXIMO Data Improvement Initiatives

“Get Real, Get Better” (GRGB) campaign:

- Examining relation data structures and data entry burden
- Determining validity of current metrics
- Expanding use of Tableau tools
- Improving contractor data input for BOS Contracts

MAXIMO Anywhere:

- Mobile capability for inputting data
- Successful in some locations
- Success is not a function of geographic location

Maximo Applications Suite cloud-hosted upgrade:

- In process of migrating to MAXIMO 9
- Large effort to connect Facility Related Control Systems to MAXIMO for Condition Based Maintenance scheduling

Relevant Shore Policies

PW Key P Documents & Guides

NITC Data Dictionary (under dev) and [NAVFAC Data Governance Strategy](#)

[P-1205 Public Works Department Management Guide](#)

- Structure, Functions and Reference Manual of and for Navy Public Works Departments

[P-501 Condition Based Maintenance \(CBM\) Manual](#)

- Infrastructure Condition Assessment, Degradation Modeling and Maintenance Execution

[P-503 Preventative Maintenance Programs \(PMP\) Manual](#)

- World-class execution of scheduled maintenance for realizing maximum useful asset life
- Integration of PMP processes into Condition Assessment Programs

[P-603 Utilities Infrastructure Management Manual](#)

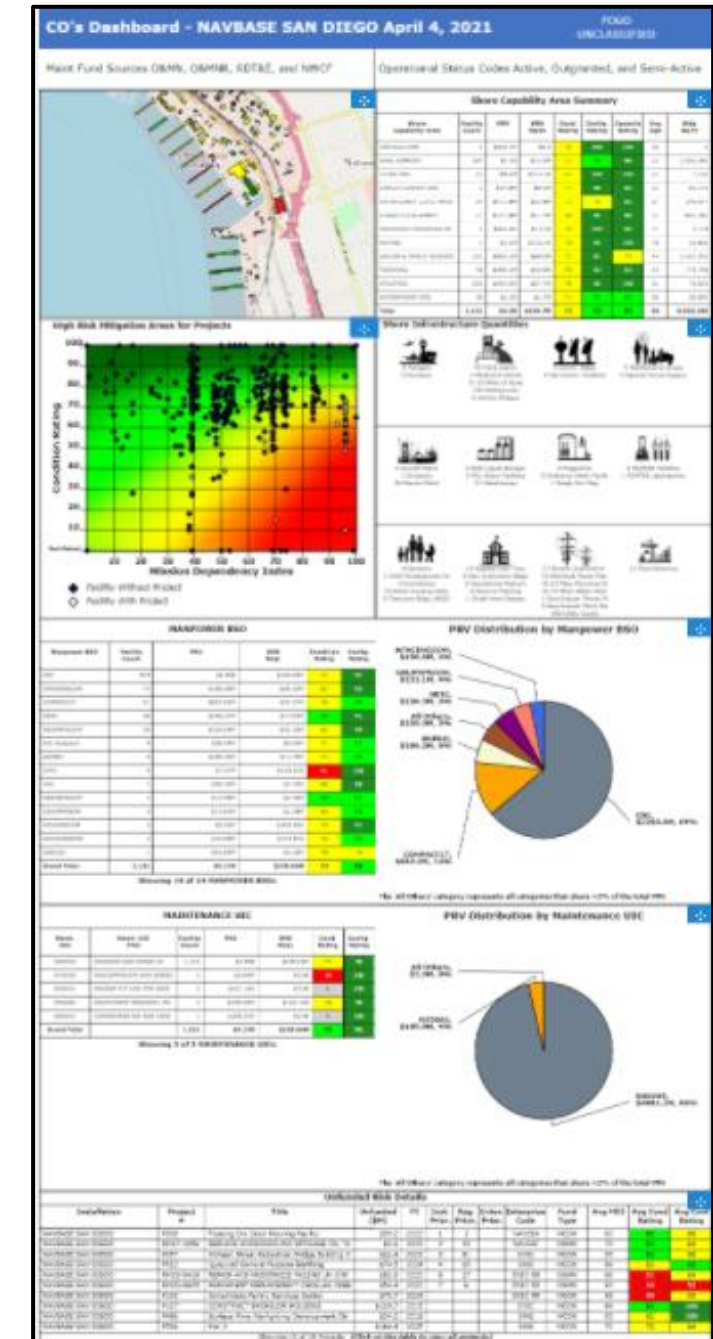
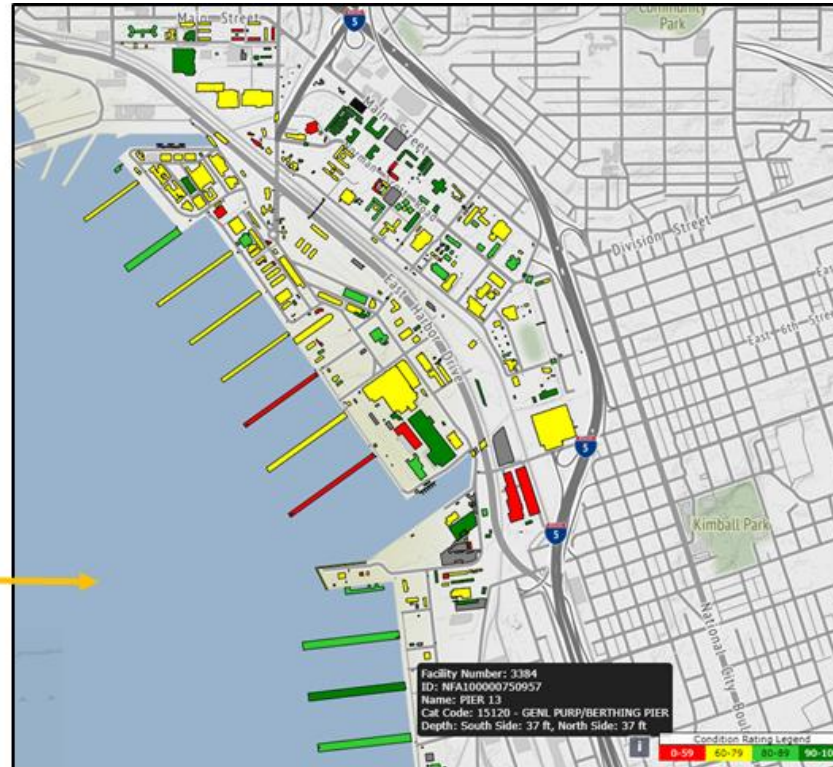
- Policy for utilities management, condition assessment, asset maintenance, risk management and performance data integration

Future Topic: “PWO’s Dashboard”



Click on the map to view full-size map of installation's facilities. Facilities are color-coded according to assigned Condition Ratings.

Click on a facility on the full-size map to view more detailed information.



Filter by UNIFORMAT Master System:
 Risk defined as a f (Criticality and Condition)