

Space Utilization for Military Construction

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Problem

The military didn't have a tool to determine if its facilities were under or over utilized. A way to optimize facility space needed to be created.



Benefit

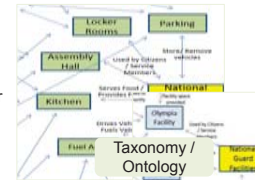
The military will be more efficient in managing space and develop Regional facilities to support the citizens of Washington State during State or Federal emergencies.



Washington Army National Guard
Construction Facilities Management Office

Solution

Develop an information tool which calculates current facility 2015 standards based on square feet to actual facilities square feet built later than 2014. Calculation based on current military guidelines.



End Result

A simple Excel spread sheet was developed allowing military units identification codes (UIC) to inputted into any facility. Optimizing the current facility space to UIC and maximizing personnel strength.

- shortage of 450,000 SQFT of facility space
- soldier over utilization ratio of 1.72 soldiers

Spread Sheet

Facility	Name	Code	Status	Location	Area (sq ft)	Year	Notes
Assembly Hall	Assembly Hall	1000	Current	Fort Lewis, WA	100,000	2015	
Kitchens	Kitchens	2000	Current	Fort Lewis, WA	50,000	2015	
Locker Rooms	Locker Rooms	3000	Current	Fort Lewis, WA	200,000	2015	
Parking	Parking	4000	Current	Fort Lewis, WA	1,000,000	2015	
Fixed A	Fixed A	5000	New	Fort Lewis, WA	100,000	2020	
National	National	6000	New	Fort Lewis, WA	200,000	2020	
Olympic Facility	Olympic Facility	7000	New	Fort Lewis, WA	300,000	2020	
National Guard Facilities	National Guard Facilities	8000	New	Fort Lewis, WA	400,000	2020	

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