



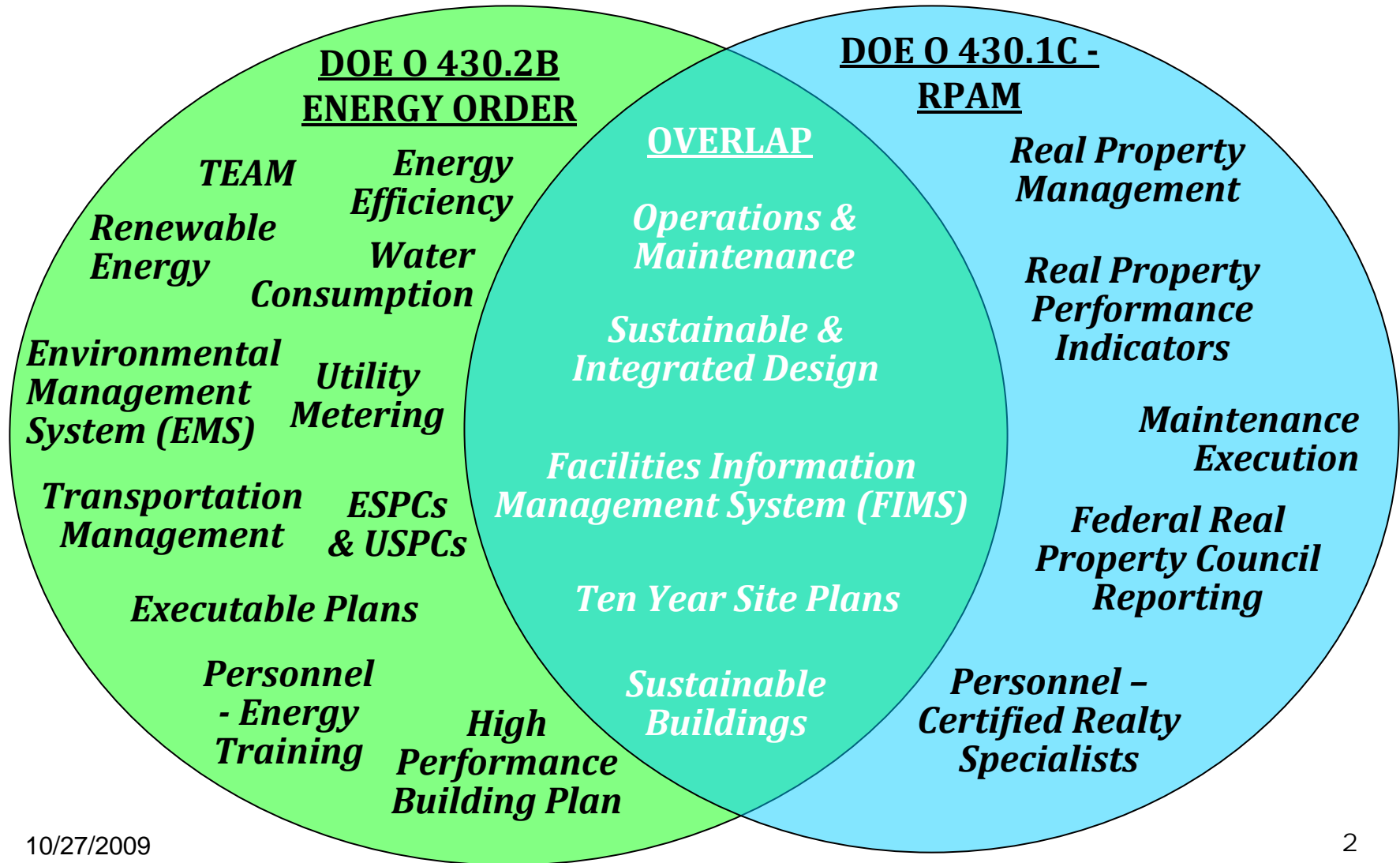
**DOE 430.1C, Real Property Asset Management
and
DOE O 430.2B, Departmental Energy, Renewable
Energy and Transportation Management**

Requirements, Overlap & Differences

**Office of Engineering
and Construction Management**









September 2009

Energy Order & RPAM Order Requirements





Real Property

TOPIC AREA	REQUIREMENT	O 430.1C RPAM	O 430.2B ENERGY
Real Property Management	Land Use Plans		
	Excess & Disposition		
	Real Estate Inventory & Tracking – (FIMS)		
	Sustainability & Integrated Design		
	Value Engineering		
	Condition Assessment		







Utilities

TOPIC AREA	REQUIREMENT	O 430.1C RPAM	O 430.2B ENERGY
Energy Efficiency	▼ Energy intensity 30% by 2015 ref: 2003		
Water Consumption	▼ Potable water consumption 16% by 2015 ref: 2007		
	▲ Use of Non-Potable water sources		
Renewable Energy	▲ On-site renewable energy. Provide 7.5% of each site's annual electric and thermal consumption by 2010 – a site may request a waiver		
Metering	Provide <u>advanced</u> electric metering		
	Provide <u>standard</u> metering for steam, natural gas, and potable water.		








Sustainable Buildings

TOPIC AREA	REQUIREMENT		O 430.1C RPAM	O 430.2B ENERGY
Sustainable Buildings	Existing Buildings	▲ Compliance with the Guiding Principles referenced in E.O. 13423's, 15% by 2015.	●	✓
		▲ Use of Sustainable building materials and practices		
	Major Building Renovation >\$5M Or New Construction	Implement the Guiding Principles referenced in E.O. 13423	●	✓
		U.S. Green Building Council's (USGBC) Leadership in Energy and Environmental Design (LEED) Gold certification – a waiver may be requested	●	✓
	Leases	Preference given to USGBC LEED Gold certified	●	✓
Sustainability Index (SI)	GSF meeting "Guiding Principles" / Total GSF	✓		

 Key Driver
  References only
  Decrease
  Increase



Transportation

TOPIC AREA	REQUIREMENT	O 430.1C RPAM	O 430.2B ENERGY
Transportation Management	▲ Non-Petroleum consumption. 10% annually by 2015 ref: 2005		
	▼ Petroleum consumption by 2% annually thru 2015. ref: 2005		
	Use Plug In Electric Hybrid Vehicles (PEHV) where feasible		
	“Right-size”		
	Develop alternative fuel infrastructure – On-site or off-site		







Personnel Management

TOPIC AREA	REQUIREMENT		O 430.1C RPAM	O 430.2B ENERGY
Personnel Management	Energy	Specific energy & water Management Training Program		
		Implement energy outreach programs		
		Employee energy incentive Programs		
		Energy measures incorporated into performance evaluations for Senior Agency Officials (SAO)		
	Real Estate	Certified Realty Specialist		



Main Internal Reports

TOPIC AREA	REQUIREMENT	O 430.1C RPAM	O 430.2B ENERGY
Maintenance Execution	Headquarters programs quarterly report to OECM on actual execution of maintenance against planned budgets		
Executable Plans	<ul style="list-style-type: none"> ■ Action plan in place by December 31, 2008 identifying how E.O.13423 will be met ■ Commits personnel resources ■ Establishes financing plan prioritizing private sector financing and optimizes appropriations ■ Establishes a timeline for specific performance measures and deliverables ■ Updated annually 		
Ten Year Site Plan (TYSP)	<ul style="list-style-type: none"> • Addresses Missions, Budgets, Planning Estimates, Performance Outcomes • Summarizes condition assessments, sustainment, sustainability, recapitalization, space utilization, excess, etc • <i>Assessment of progress toward Sustainability Goal of E.O. 13423</i> • Updated annually 		



External Reporting

TOPIC AREA	REQUIREMENT	O 430.1C RPAM	O 430.2B ENERGY
Report to Congress	IAW National Energy Conservation Policy Act (NECPA). Annual reporting		
Report to Council on Environmental Quality (CEQ)	IAW EO 13423. Annual reporting		
High Performance Building Plan	<ul style="list-style-type: none"> •Submit to OMB by Aug 15 each year. •Align with 13423 & 13327 •High Performance Federal Buildings Database •Leased Facilities preference for LEED Gold. 		
Federal Real Property Council (FRPC)	Asset Utilization (AUI) – Percentage of the building in use		
	Asset Condition Index (ACI) – 1- (Deferred Maintenance / Replacement Plant Value)		
	Annual Operations & Maintenance Costs – Operations and Maintenance Costs / Building. Data from FIMS. Annual reporting		
	Mission Dependency (MD) - Mission critical, mission dependent (not critical), and not-mission dependent categories for prioritization purposes. Data from FIMS. Annual reporting.		

Outliers - Cats & Dogs



TOPIC AREA	REQUIREMENT	O 430.1C RPAM	O 430.2B ENERGY
ESPC's & UESC's	Maximum utilization of private sector, third-party financing, particularly ESPC & UESC's to include renewable energy measures and HPSB measures.		
TEAM	Identify Site's energy, sustainable buildings, and fleet management program to meet goals.		
Environmental Management System (EMS)	IAW DOE Order 450.1		
Measurement and Verification	Utilization of standardized protocols coupled with real-time information and centralized reporting capabilities.		
Operations and Maintenance			
	Promotes operational safety, worker health, property, preservations, environmental protection compliance, and life-cycle cost-effectiveness while meeting the program missions. Where practical, sustainable materials and integrated design practices shall be used.		

Key Driver References only Decrease Increase

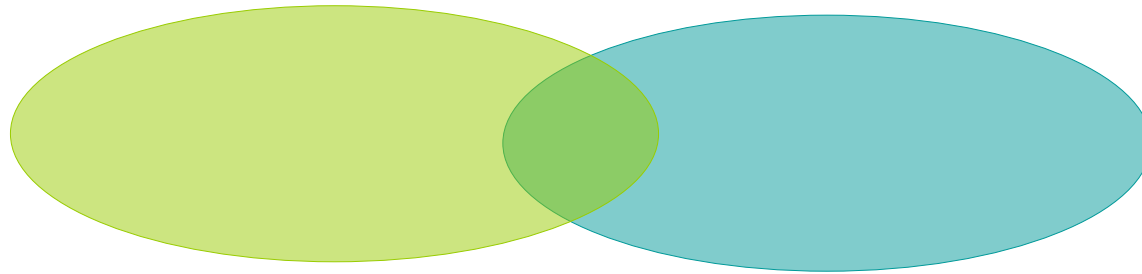


Controlling Documents

TOPIC AREA	REQUIREMENT	O 430.1C RPAM	O 430.2B ENERGY
41 CFR 101 & 102	Federal Property Management Regulations & Federal Management Regulation		
DOE P 580.1	Management Policy for Planning, Programming, Budgeting, Operations, Maintenance and Disposal of Real Property		
EO 13327	Federal Real Property Asset Management		
DOE O 450.1	Environmental Protection Program		
DOE P 430.1	Land Use Planning		



Energy Order & RPAM Order Requirements, Overlap and Differences



Thank you!

Office of Engineering and Construction Management