

Energy Conservation and Green Building Initiatives

Board of Regents

Overview Presentation

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Administration

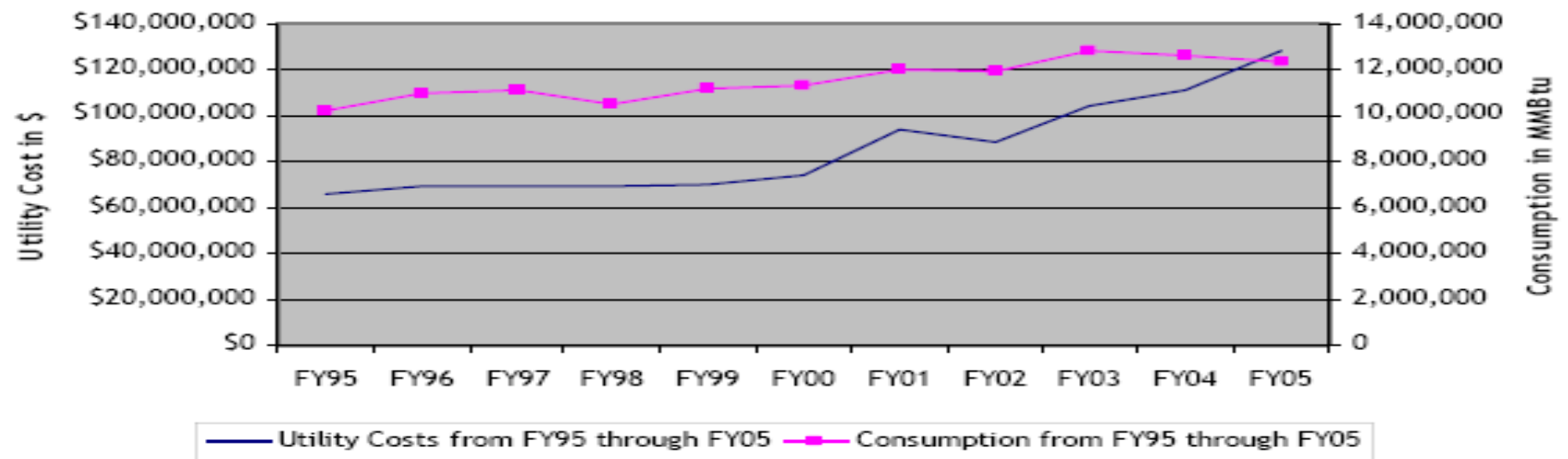
Overview

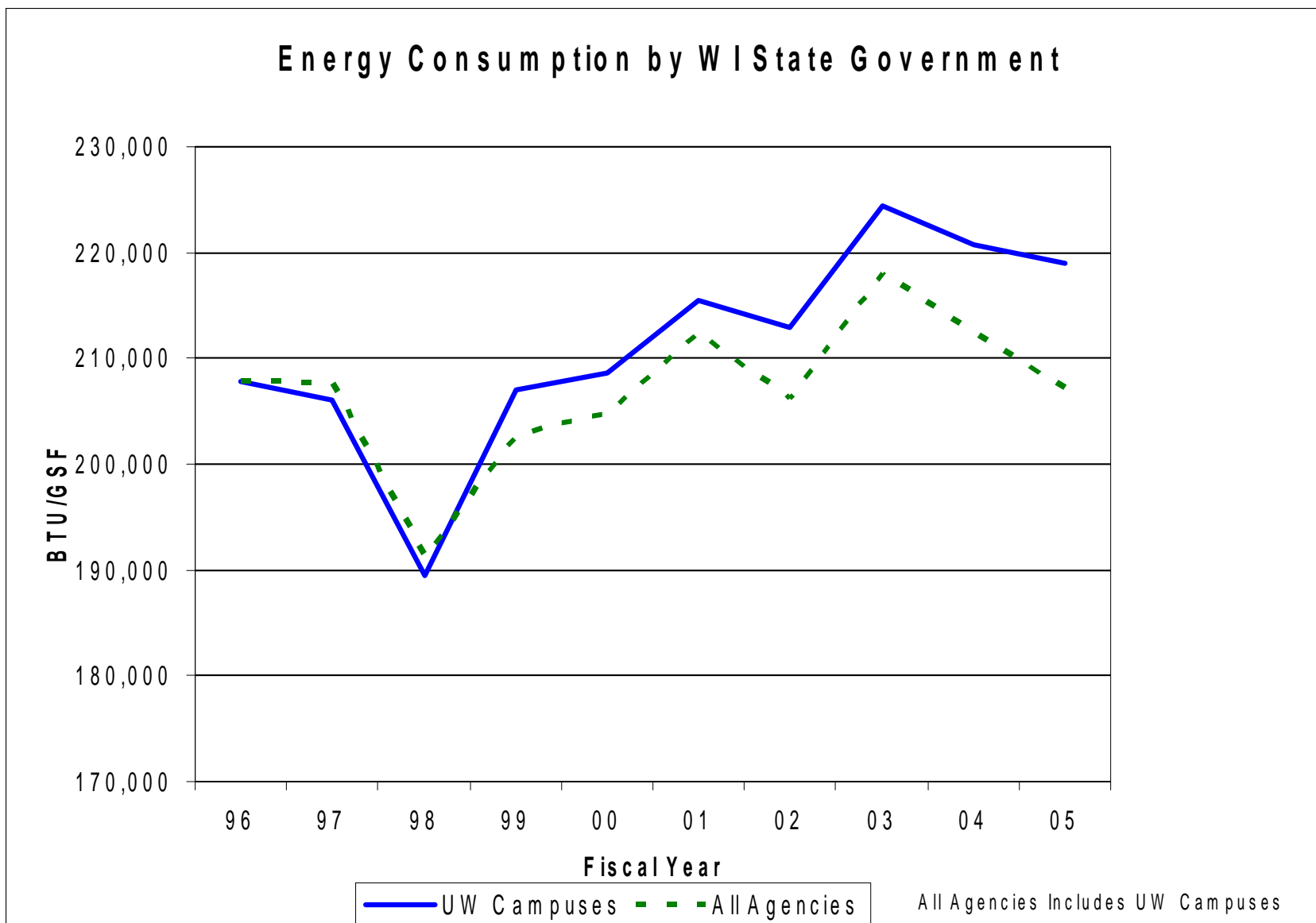
- Conserve Wisconsin – Governor Doyle's Initiative
- Building Commission – Sustainability Policy
- Executive Order 145 – High Performance Green Building Standards and Energy Conservation for State Facilities and Operations
- 2005 WI Act 141 – Energy Efficiency and Renewables

Overview

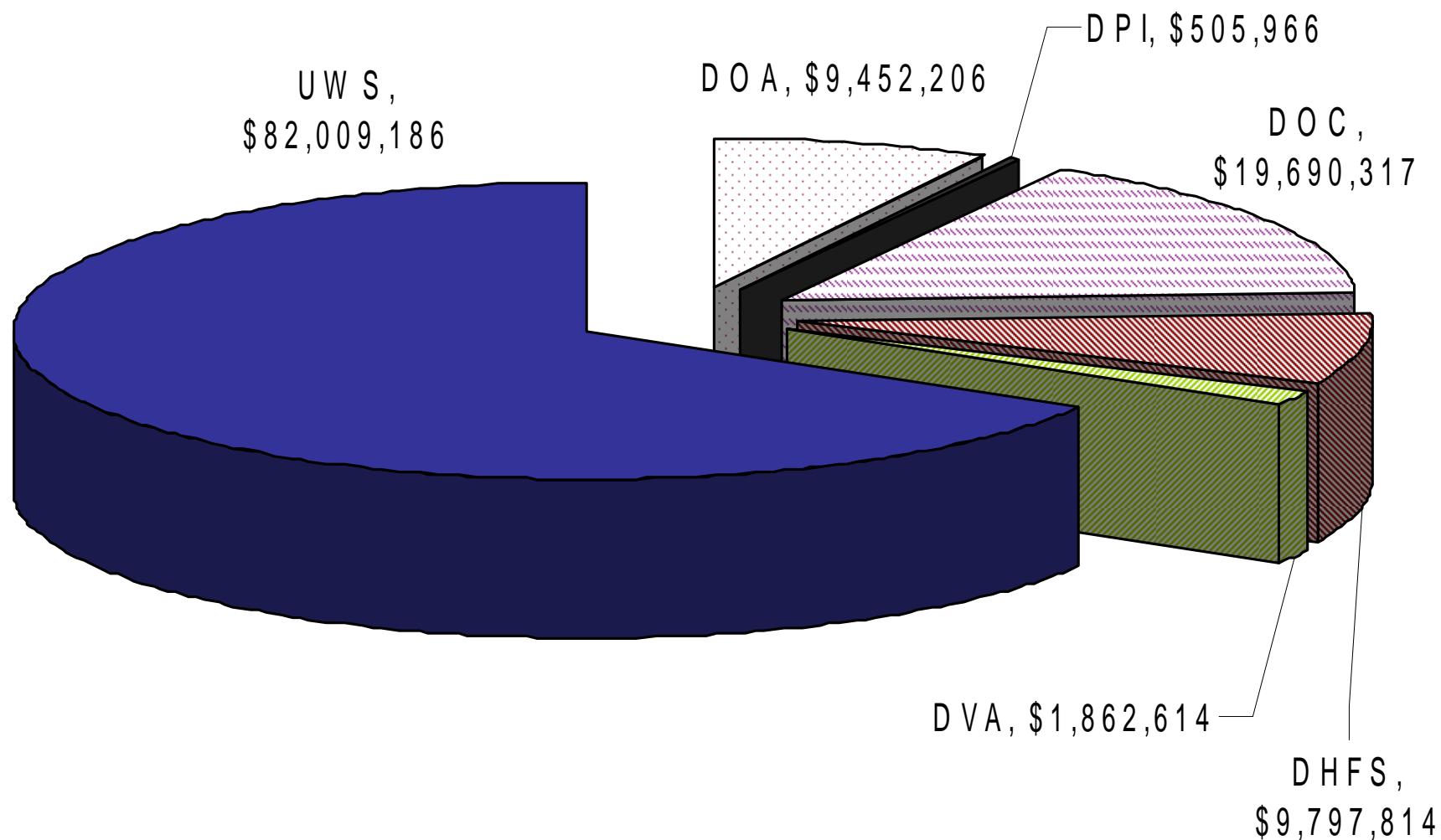
- These form a comprehensive policy structure directing state agencies to implement energy conservation and sustainable building initiatives in the construction and operation of state facilities.
- This builds on past energy conservation and sustainable building initiatives across state agencies.

State Utility Spending and Consumption





FY 05 Utility Costs by Agency



2005 Act 141 Overview

- (1e) Equipment Purchasing
- (2) Construction Purchasing
- (1s) Renewable Electricity
- (3) Space and Water Heating Systems
- (4) Energy Cost Reduction Planning
- (47) Leased facilities
- (69) Large Energy Customer Program
- (102)(2) Corn Burning Furnace Pilot
- (102)(4) Anaerobic Digester Research

2005 Act 141 Highlights

- Renewable Electricity - Applies to DOA, DOC, DVA, DPI, DHFS, and UW - DOA shall establish goals for agencies to ensure that 10% of annual electric energy is renewable by December 31 2007 and 20% by December 2011
- Energy Cost Reduction Plans – Each agency (above list) shall submit a plan to the department and joint committee on finance and standing committee (energy) a plan for the reduction of the cost of energy used by the agency by July 1 of each even year:
 - Include all system and equipment upgrades estimated to result in cost savings
 - Identify potential means of financing upgrades and installations

2005 Act 141 Highlights

- Large Energy Customer Program - Appears to provide for large customers to administer separate energy efficiency programs and provides that large customers may deduct amount of funding from utility charges for utility developed energy efficiency and renewable programs

Executive Order 145

- (1) Energy Efficiency Goals by July 30, 2006
- (2) Energy Analysis Programs and Performance Contracts under s. 16.858
- (3) Ensure Energy Efficiency of New Facilities
- (4) Ensure Better Oversight of Energy Purchasing
- (5) Establish Sustainable Building Operation Guidelines
- (6) Ensure Sustainable Design on New Facilities
- (7) Demonstration Projects
- (8) Agency Point of Contact

EO 145 Highlights

- Energy Efficiency Goals - DOA in consultation with agencies to set goals for FY07, FY08, FY09 that target 10% reduction per square foot by FY08 and 20% reduction per square foot by FY10
- New Facilities - DOA work with Building Commission and Energy Center of Wisconsin so that facilities are constructed 30% more energy efficient than commercial code

EO 145 Highlights

- DOA in consultation with state agencies work to ensure better oversight and management of energy purchasing
- Sustainable Building Operation Guidelines – Develop and adopt sustainable building operation guidelines by October 2006, including benchmarking and annual reporting

Keys for Success

- Strong leadership
- Ownership of energy conservation and sustainable operations
- Interagency cooperation
- Aligning incentives and goals
- Focus on results