



CoPs and Robbers: Musings of an Old Outlaw

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“JUST ONE THING”





Funding Challenges

Utility Costs

Enrollment

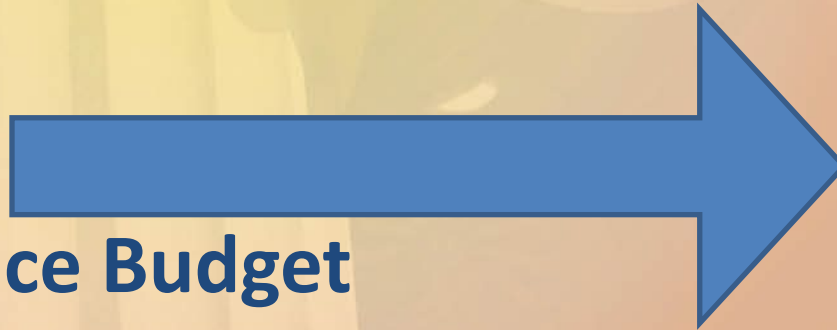
Campus Square Footage

Building Maintenance



Recurring

Maintenance Budget



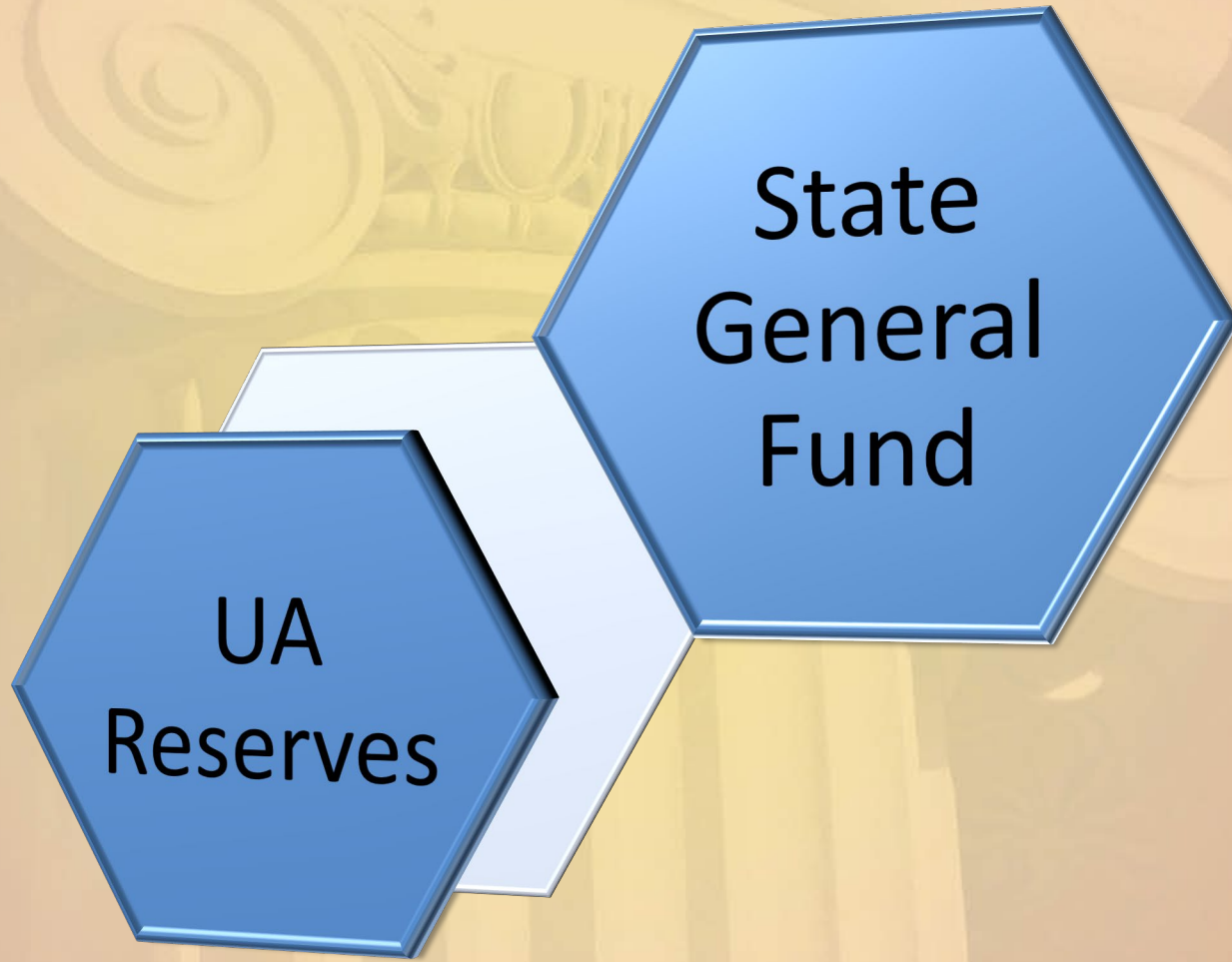
The Reality



Annual Funding Requests

- Fully Funded, NOT!
- Preventative Maintenance Needs
- Division of Responsibility (DoR)

Funding Sources



Funding Sources



	Maintenance	DM	Lighting Retrofit	Energy Contracts	RCx	Solar Farm	Wind Turbine	ISI	Solar Panels	Occupancy Sensors	LEDs	ECE
State General Fund												
UA Reserves												
AFMFA												
Illinois DCEO												
ICECF												
Student Sustainability Committee												
Revolving Loan Fund												
Third Party Financing												
Utility Rates												
Power Purchase Agreements												
Internal Loans												
Library Fee												
Quick Paybacks												
College/Departmental												
CoPs												

Funding Matrix



State General Fund
UA Reserves
AFMFA
Illinois DCEO
ICECF
SSC
Revolving Loan Fund
Third Party Financing
Utility Rates
Power Purchase Agreements
Internal Loans
Library Fee
Quick Paybacks
College/Departmental
CoPs

Deferred Maintenance (DM)



\$275M ALLOCATED SINCE 08'

The formula for the deferred maintenance backlog has gone from \$610M to \$567M (the lowest point since FY07)



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Lighting Retrofit



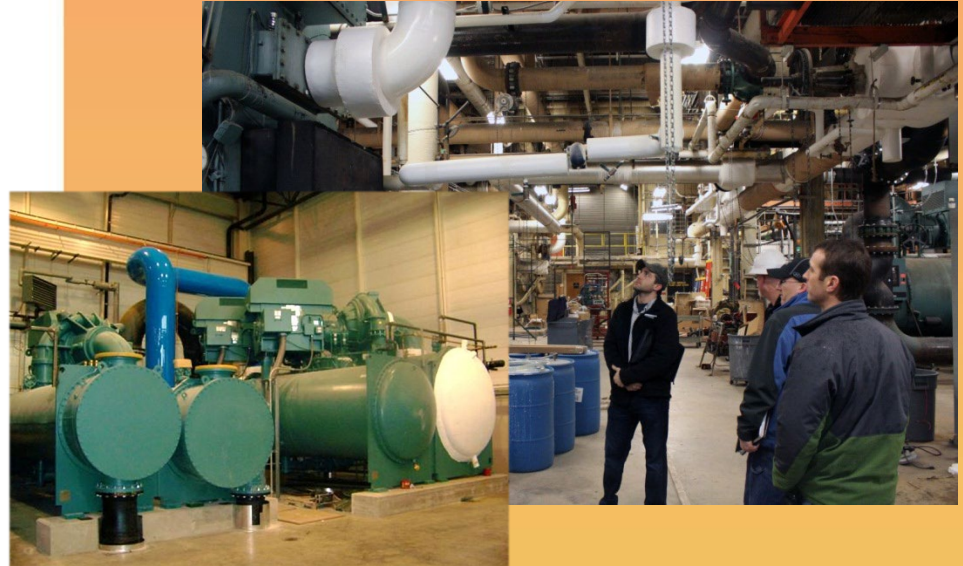
\$1.2M YEARLY COST AVOIDANCE

**Lamps and Ballasts of 100K Light
Fixtures Replaced on Campus –
3.21 MWp Annual Reduction**



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Energy Performance Contracting



\$32M COST AVOIDANCE EXPECTED

**Projected 40% Energy Reduction
at Veterinary Met ESCO Project**



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Retrocommissioning (RCx)



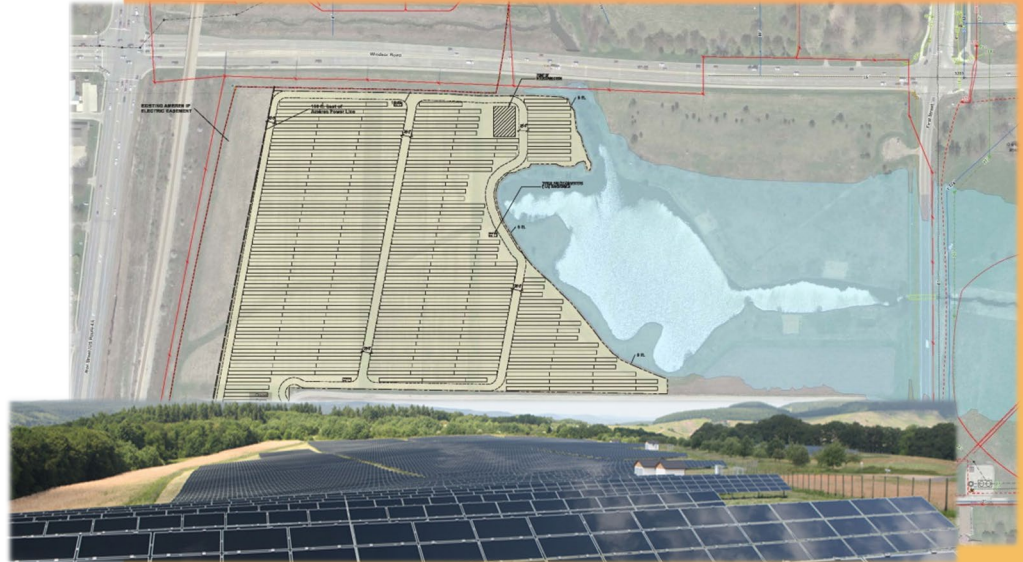
\$14M COST AVOIDANCE

**28% Average Energy Consumption
Reduction Per Building**



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Solar Farm



\$15.5M PROJECT

**5.88 MWp, 2.1% Electricity
for Campus Based on
FY15 Projections**



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Instructional Space Improvement Initiative



\$70M OVER FIVE YEARS

**Remodel and Upgrade 100
Classrooms on Campus**



More Projects in the Matrix

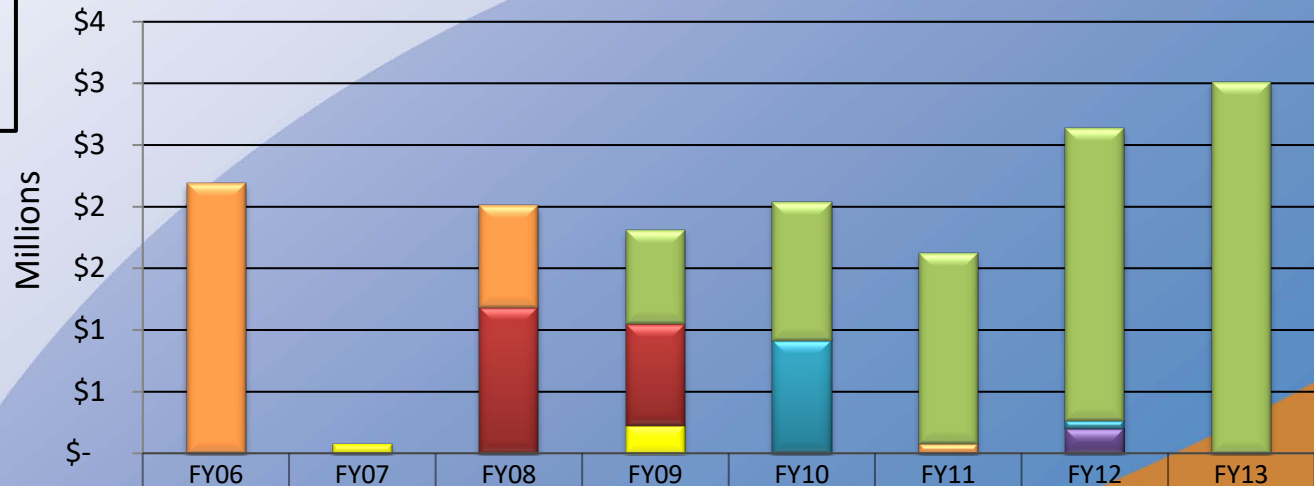
- Solar Panels
- Occupancy Sensors
- LEDs
- Electrical and Computer Engineering





Total Grants
Awarded
FY06-FY13:
\$15,381,399

Energy Conservation Funding Awarded



DCEO energy conservation				\$758,491	\$1,123,37	\$1,545,16	\$2,365,03	\$3,012,29
DCEO Thermal					\$915,668		\$68,024	
DCEO FSCRAP							\$200,000	
ICECF clean energy	\$2,186,50		\$825,000			\$77,400		
ICECF Lighting			\$1,182,28	\$822,174				
ICECF energy conservation		\$75,000		\$225,000				

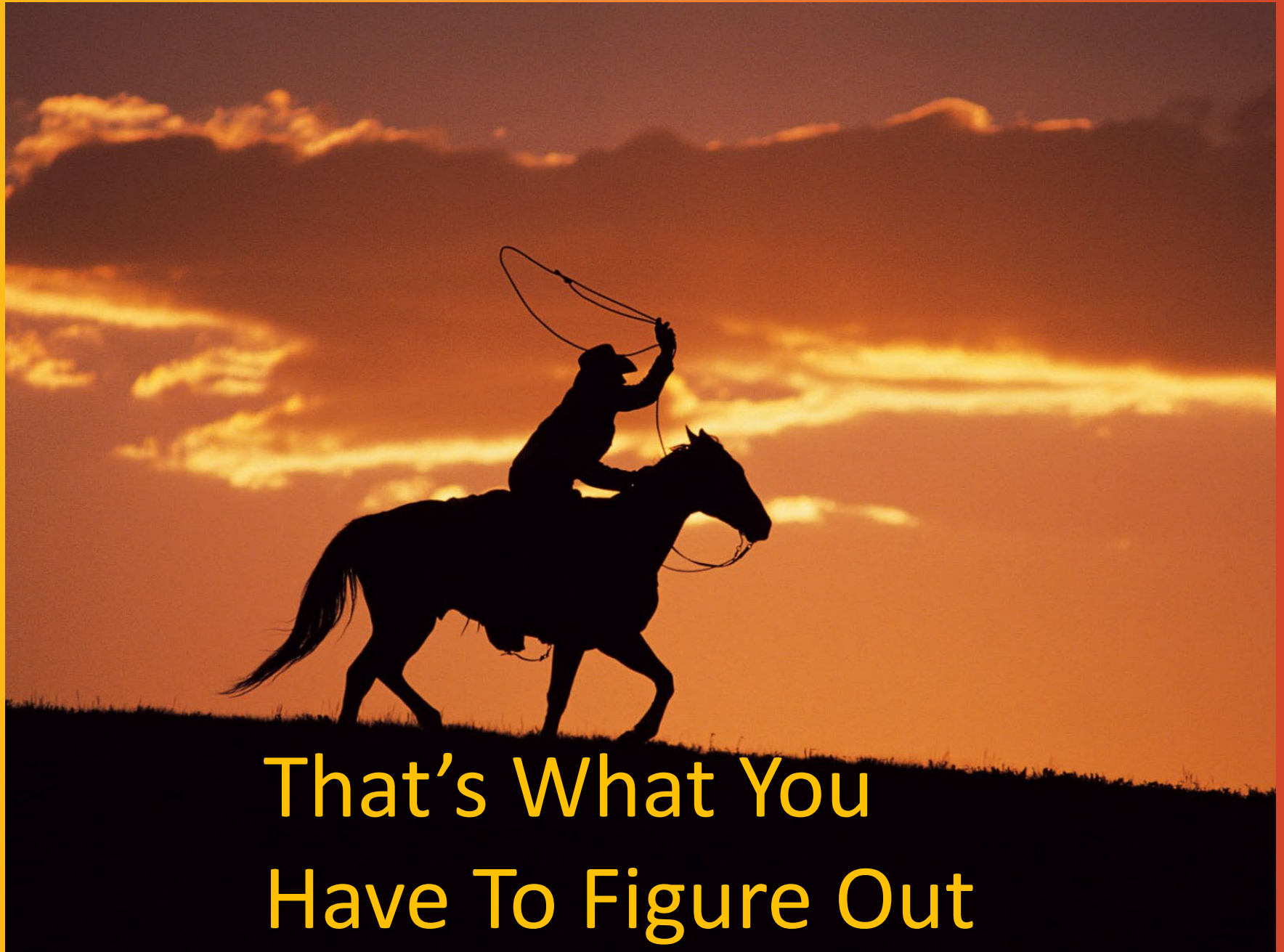
Energy Conservation History

Future Impact



“JUST ONE THING”





That's What You
Have To Figure Out



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QUESTIONS?