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## State University System of Florida

### **Future Proofing: A Mitigation Approach for the University Campus**

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# Individual Building Maintenance

Systemwide - 72,000,000 Gross Square Feet (E&G)

PECO Building Maintenance – By formula: \$300M+ annually

15-16	16-17	17-18	18-19
\$35,000,000	\$61,804,669	\$45,562,241	\$48,629,307
\$ 0.48/ GSF	\$ 0.85/ GSF	\$ 0.63/ GSF	\$ 0.68/ GSF

Sightlines recommended 2018-19 level:  
\$200M- \$350M



# Campus Infrastructure Needs - “The Grid”

## Campus Utilities & Infrastructure

<u>University</u>	<u>2008-09</u>	<u>2009-10</u>	<u>2010-11</u>	<u>2011-12</u>	<u>2012-13</u>	<u>Grand Total</u>
FAMU	\$ 5,000,000	\$ 1,692,775	\$ 7,000,000			\$ 13,692,775
	\$ 7,865,000	\$ 2,429,132	\$ 7,778,832			\$ 18,072,964
FGCU	\$ 5,000,000	\$ 5,263,875	\$ 3,000,000	\$ 1,529,524		\$ 14,793,399
FIU	\$ 10,500,000	\$ 5,142,603	\$ 6,221,914	\$ 1,676,584		\$ 23,541,101
FSU	\$ 8,500,000	\$ 4,653,726	\$ 5,550,848	\$ 1,827,644		\$ 20,532,218
NCF	\$ 4,400,000	\$ 2,680,937	\$ 3,305,609	\$ 1,685,336	\$ 1,793,266	\$ 13,865,148
UCF	\$ 12,500,000	\$ 5,251,319	\$ 7,844,870			\$ 25,596,189
UF	\$ 15,000,000	\$ 11,837,733	\$ 12,086,416			\$ 38,924,149
UNF	\$ 6,000,000	\$ 2,021,330	\$ 4,630,508			\$ 12,651,838
USF	\$ 10,000,000	\$ 5,000,000	\$ 5,000,000			\$ 20,000,000
UWF	\$ 5,000,000	\$ 3,992,660	\$ 4,000,000	\$ 1,771,079		\$ 14,763,739
Grand Total	\$ 89,765,000	\$ 49,966,090	\$ 66,418,997	\$ 8,490,167	\$ 1,793,266	\$ 216,433,520



# LBR Proposal \$25M

Each university has identified critical Utility Infrastructure needs for 2018-19 of over \$120 M.

Essentially the campus “Grid” – Not provided by the local utility. Includes the electrical grid, chilled water loops, sewer, roads, hot water.

Failure of any component may result in a shut down across some or all the campus. There is limited redundancy.

The prime concern is a catastrophic system failure that takes weeks or months to restore service on an emergency basis. This could occur due to age or weather event. There is some overlap on this.

Universities have hardened facilities, and serve as “Shelters of Last Resort”. However, if a campus loses utility service for an extended number of days, it will not be able to house anyone.

Long-term Benefits – 1) Energy Savings; 2) More Robust Infrastructure; and 3) Mitigate against risks associated with off-line facilities.

A Five Year Plan to Replace and Harden Utility Infrastructure will require \$25 M annually.



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