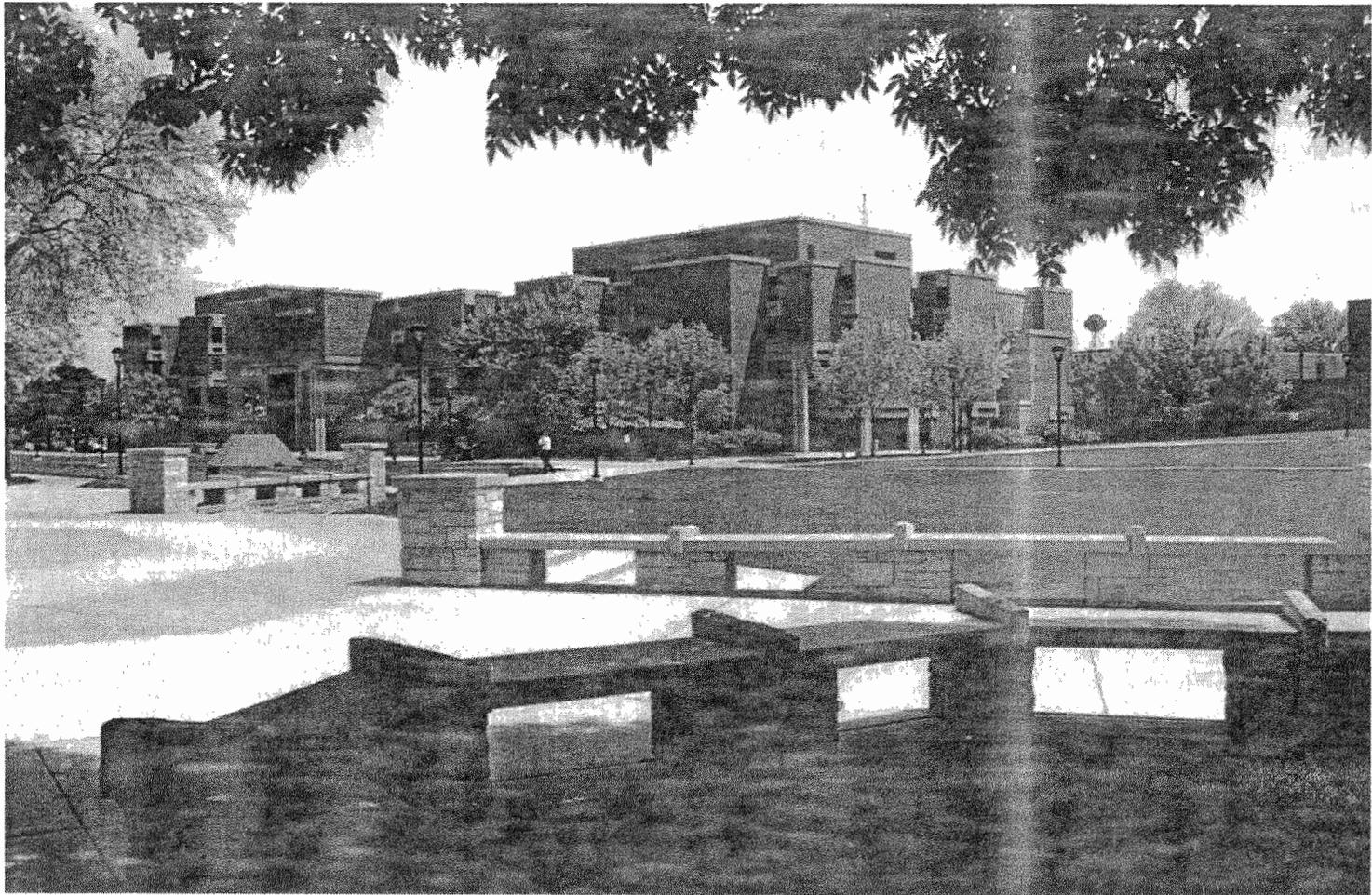


**Northeastern Illinois University  
Presentation to the  
Commission on Government Forecasting and Accountability**



August 4, 2010

# NORTHEASTERN ILLINOIS UNIVERSITY

## CAMPUS LOCATIONS

- Main Campus
  - 5500 N. St. Louis Avenue
- Carruthers Center for Inner City Studies
  - 700 E. Oakwood
- El Centro
  - 3119 N. Pulaski
- Chicago Teachers Center
  - 770 N. Halsted
- Multi-University Center
  - College of Lake County

# NORTHEASTERN ILLINOIS UNIVERSITY PROJECT RELATED STRATEGIC GOALS

- **Strategic Goal Five – Enhanced University Operations**

Provide a supportive learning environment by improving operating productivity, physical infrastructure, and environmental sustainability.

- **Strategic Goal Six – Fiscal Strength**

Enhance the University's financial position by reducing reliance on state general funds and student tuition, diversifying revenue sources, and strengthening institutional relationships.

# Historical Utility Costs

## (Natural Gas and Electricity)

Fiscal Year	Expense	Annual Change	
		\$	%
2004	\$ 1,501,919	-	-
2005	1,583,346	\$ 81,427	5.4%
2006	1,859,420	276,074	17.4%
2007	2,097,205	237,785	12.8%
2008	2,664,321	567,116	27.0%
2009	2,407,549	(256,772)	-9.6%
	<u>Increase</u>	<u>5-year Average</u>	
FY2004-09	905,630	181,126	9.9%

# HISTORY OF REPORTS TO THE NORTHEASTERN BOARD OF TRUSTEES

- February 2009
  - Initial discussion with the Board
  - Review of energy costs and need for energy audit and alternative funding
- April 2009
  - Notification of received proposals from interested ESCOs
- June 2009
  - Request to approve NORESKO as partner ESCO
  - Preliminary list of projects and costs
- February 2010
  - Progress report on energy audit
- April 2010
  - Approval of Energy Conservation Project with 11 Energy Conservation Measures
- June 2010
  - Resolution to approve funding for Project

# Energy Conservation Measures

- Control system upgrades
- Lighting efficiency upgrades
- Air distribution and efficiency upgrades
- Water efficiency upgrades
- Chiller plant efficiency improvements
- Variable frequency drives
- High temperature/hot water boiler improvements
- HVAC fan replacements
- High temperature/hot water pipe insulation
- Kitchen hood controls
- Swimming pool pump replacement

The Trustees of Northeastern Illinois University  
 Certificates of Participation, Series 2010  
 Energy Conservation Project  
 Estimated Annual Net Debt Service & Net Cash Flow

Bond Year Ending 10/1	Energy Conservation Project Financing						M&V Service Cost	Combined Cost	Total Savings	Net Cash Flow
	Series 2010 COPs			Govt Credit	Capitalized Interest	Net Total				
	Taxable BABs Debt Service									
Principal	Interest	Total								
2010										
2011		387,701	387,701	(135,695)	(73,194)	178,811		178,811	178,811 <sup>1</sup>	-
2012	145,000	340,420	485,420	(119,147)		366,273	17,126	383,399	454,583	71,184
2013	160,000	336,505	496,505	(117,777)		378,728	17,640	396,368	470,457	74,089
2014	180,000	331,465	511,465	(116,013)		395,452	18,169	413,621	486,886	73,265
2015	200,000	324,805	524,805	(113,682)		411,123	18,714	429,837	503,887	74,050
2016	225,000	316,505	541,505	(110,777)		430,728	19,275	450,004	521,485	71,481
2017	250,000	306,268	556,268	(107,194)		449,074	19,854	468,927	539,696	70,769
2018	275,000	294,143	569,143	(102,950)		466,193	20,449	486,642	558,542	71,900
2019	305,000	280,393	585,393	(98,137)		487,255	21,063	508,318	578,049	69,731
2020	335,000	264,533	599,533	(92,586)		506,946	21,694	528,641	598,238	69,597
2021	365,000	246,275	611,275	(86,196)		525,079	22,345	547,424	619,129	71,705
2022	400,000	225,653	625,653	(78,978)		546,674	23,016	569,690	640,752	71,062
2023	435,000	202,253	637,253	(70,788)		566,464	23,706	590,170	663,131	72,961
2024	475,000	176,370	651,370	(61,730)		589,641	24,417	614,058	686,289	72,231
2025	520,000	147,633	667,633	(51,671)		615,961	25,150	641,111	710,257	69,146
2026	565,000	115,653	680,653	(40,478)		640,174	25,904	666,078	735,063	68,985
2027	610,000	80,340	690,340	(28,119)		662,221	26,681	688,902	760,735	71,833
2028	660,000	41,910	701,910	(14,669)		687,242	27,482	714,723	787,305	72,582
	6,105,000	4,418,821	10,523,821	(1,546,587)	(73,194)	8,904,039	372,685	9,276,724	10,493,295	1,216,571

<sup>1</sup> Estimated savings in the initial year of the project.