

NIST BLCC 5.3-07: Detailed LCC Analysis

Consistent with Federal Life Cycle Cost Methodology and Procedures, 10 CFR, Part 436, Subpart A

General Information

File Name: C:\Program Files\BLCC5\projects\BME Building.xml
Date of Study: Wed Jan 23 09:02:25 CST 2008
Analysis Type: FEMP Analysis, Energy Project
Project Name: Biomedical Engineering Building
Project Location: Texas
Analyst: Travis Alexander
Base Date: January 1, 2008
Service Date: January 1, 2008
Study Period: 25 years 0 months (January 1, 2008 through December 31, 2032)
Discount Rate: 6%
Discounting Convention: End-of-Year

Discount and Escalation Rates are NOMINAL (inclusive of general inflation)

Alternative: System 1

Initial Cost Data (not Discounted)

Initial Capital Costs

(adjusted for price escalation)

Initial Capital Costs for All Components: \$0

Component:

Cost-Phasing

Date	Portion	Yearly Cost
January 1, 2008	100%	\$0

Total (for Component)		\$0

Life-Cycle Cost Analysis

	Present Value	Annual Value
Initial Capital Costs	\$0	\$0
Energy Costs		
Energy Consumption Costs	\$0	\$0
Energy Demand Charges	\$0	\$0
Energy Utility Rebates	\$0	\$0

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Subtotal (for Energy):	\$0	\$0
Water Usage Costs	\$0	\$0
Water Disposal Costs	\$0	\$0
 Operating, Maintenance & Repair Costs		
Component:		
Annually Recurring Costs	\$15,632,536	\$1,222,896
Non-Annually Recurring Costs	\$0	\$0
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Subtotal (for OM&R):	\$15,632,536	\$1,222,896
 Replacements to Capital Components		
Component:	\$0	\$0
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Subtotal (for Replacements):	\$0	\$0
 Residual Value of Original Capital Components		
Component:	\$0	\$0
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Subtotal (for Residual Value):	\$0	\$0
 Residual Value of Capital Replacements		
Component:	\$0	\$0
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Subtotal (for Residual Value):	\$0	\$0
 Total Life-Cycle Cost	 \$15,632,536	 \$1,222,896

Emissions Summary

Energy Name Annual Life-Cycle

Total:

CO2	0.00 kg	0.00 kg
SO2	0.00 kg	0.00 kg
NOx	0.00 kg	0.00 kg

Alternative: System 2
Initial Cost Data (not Discounted)

Initial Capital Costs

(adjusted for price escalation)

Initial Capital Costs for All Components: \$0

Component: Copy of:
Cost-Phasing

Date	Portion	Yearly Cost
January 1, 2008	100%	\$0

Total (for Component)		\$0

Life-Cycle Cost Analysis

	Present Value	Annual Value
Initial Capital Costs	\$0	\$0
Energy Costs		
Energy Consumption Costs	\$0	\$0
Energy Demand Charges	\$0	\$0
Energy Utility Rebates	\$0	\$0

Subtotal (for Energy):	\$0	\$0
Water Usage Costs	\$0	\$0
Water Disposal Costs	\$0	\$0

Operating, Maintenance & Repair Costs

Component: Copy of:

Annually Recurring Costs	\$14,327,489	\$1,120,806
Non-Annually Recurring Costs	\$0	\$0

Subtotal (for OM&R):	\$14,327,489	\$1,120,806

Replacements to Capital Components

	\$0	\$0
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Component: Copy of:	\$0	\$0
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Subtotal (for Replacements):	\$0	\$0
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Residual Value of Original Capital Components

Component: Copy of:	\$0	\$0
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Subtotal (for Residual Value):	\$0	\$0
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Residual Value of Capital Replacements

Component: Copy of:	\$0	\$0
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Subtotal (for Residual Value):	\$0	\$0
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Total Life-Cycle Cost

\$14,327,489	\$1,120,806
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Emissions Summary

Energy Name	Annual	Life-Cycle
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Total:

CO2	0.00 kg	0.00 kg
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SO2	0.00 kg	0.00 kg
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NOx	0.00 kg	0.00 kg
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