

BUILDING ENERGY AUDIT DATA REPORT

OVERVIEW

BUILDING INFORMATION

Example Building

123 Main Street
Washington, DC 20037

Report Type: **Alternate City Report**

Gross Floor Area: **418,000 ft²**

Year Built: **1975**

Report Date: **October 31, 2016**

Building ID #: **979**

Software Release: **2.1.0**

AUDIT TEAM

Energy Services, Inc.

123 Park Street
Washington, DC 20037
(202) 123-4567

DATA SUMMARY

This report was generated from data entered into the Building Energy Asset Score (Asset Score) tool, developed by the Pacific Northwest National Laboratory (PNNL) for the U.S. Department of Energy (DOE). Asset Score is a national standardized tool for assessing the physical and structural energy efficiency of commercial and multifamily residential buildings. It also facilitates building energy audit data collection and reporting.

This report follows the ASHRAE/ACCA Standard 211P, Standard for Commercial Building Energy Audits. It also includes additional data fields required by specific cities, where applicable. The icons below identify data categories.

 ASHRAE Level 2 inputs

 City specific inputs

If this report is used to comply with a local energy audit ordinance, the fields marked with “*” indicate the minimum data to be reported. The audit team listed above is responsible for any information entered and reported through Asset Score. DOE and PNNL do not warranty data accuracy, completeness, legality, and reliability.

BUILDING ENERGY AUDIT DATA REPORT

Contact Information and Audit Details

Building Name: **Example Building**

Energy Efficiency Report (EER) Submission Information – *New York City Report only*

 Submitted By	Steve Smith
 Company Name or Organization	Example Energy Services, Inc.
 Phone Number	(206) 123-4567
 Email	steve.smith@example.org

Audit Details

 Date of Site Visit(s)*	06/01/2015		
 Date of Completion for Level 1 Audit*	12/01/2015	<input type="checkbox"/>	N/A
 Date of Completion for Level 2 Audit*		<input checked="" type="checkbox"/>	N/A
 Date of Completion for Level 3 Audit*		<input checked="" type="checkbox"/>	N/A
 Year of Last Renovation*	2010	<input type="checkbox"/>	N/A
 Year of Prior Energy Audit*	2012	<input type="checkbox"/>	N/A
 Year Last Commissioned*	2014	<input type="checkbox"/>	N/A
 Atlanta Building ID*	123456		
 Early Compliance*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
 Year Audit Required*	2012		
 Additional Details			

Audit Team Information

 Organization Name*	Example Energy Services, Inc.
 Street Address*	123 Park Street, Washington, DC 20037
 Phone Number*	(206) 123-4567
 Name of Qualified Energy Auditor*	Steve Smith
 Type of Certification*	Certified Energy Manager (CEM)
 Other Certification	
 Certification Number*	12-3456
 Certification Expiration Date*	12/31/17
 Auditor's Years of Experience*	3
 Additional Comments	

BUILDING ENERGY AUDIT DATA REPORT

Contact Information and Audit Details

Building Name: **Example Building**

Building Staff

 Building Owner*	City of Seattle.
 Building Owner Representative*	Department of Planning and Development
 Building Owner's State of Licensure*	Washington
 Property Management Company*	N/A
 Property Management Contact*	N/A
 Street Address*	N/A
 Phone Number*	N/A
 Building Operator	Tim Allen
 Operator's Certification	Certified Energy Auditor (CEA)
 Other Certification	
 License # (If Applicable)	#123456

BUILDING ENERGY AUDIT DATA REPORT

Facility Description

Building Name: **Example Building**

Building Characteristics

<input checked="" type="checkbox"/>	Gross Floor Area*	20000		
<input checked="" type="checkbox"/>	Spaces Excluded from Gross Floor Area*	N/A		
<input checked="" type="checkbox"/>	Conditioned Floor Area, Heated Only*	4000		
<input checked="" type="checkbox"/>	Conditioned Floor Area, Cooled Only*	6000		
<input checked="" type="checkbox"/>	Conditioned Floor Area, Heated and Cooled*	10000		
<input checked="" type="checkbox"/>	Number of Floors Above-Grade, Conditioned*	3		
<input checked="" type="checkbox"/>	Number of Floors Below-Grade, Conditioned*	1		
<input checked="" type="checkbox"/>	Number of Floors Above-Grade, Unconditioned*	0		
<input checked="" type="checkbox"/>	Number of Floors Below-Grade, Unconditioned*	0		
<input checked="" type="checkbox"/>	General Building Shape*	Rectangle		
<input checked="" type="checkbox"/>	Number of Buildings on Lot*			
<input checked="" type="checkbox"/>	Building Automation System?*	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<input checked="" type="checkbox"/>	Historical Landmark Status?*	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	

Building Location Specifications

<input checked="" type="checkbox"/>	Heating Degree Days (HDD)	250
<input checked="" type="checkbox"/>	Cooling Degree Days (CDD)	100
<input checked="" type="checkbox"/>	Base for HDD	300
<input checked="" type="checkbox"/>	Base for CDD	50
<input checked="" type="checkbox"/>	Year of HDD/CDD Data	2010

Use Types

<input checked="" type="checkbox"/>	Use Type / Space Function / Building Area Type*	Office
<input checked="" type="checkbox"/>	Original Intended Use*	Office
<input checked="" type="checkbox"/>	Gross Floor Area (ft ²)*	20000
<input checked="" type="checkbox"/>	Percentage of Space Conditioned (%)*	100
<input checked="" type="checkbox"/>	Number of Occupants*	50
<input checked="" type="checkbox"/>	Number of PCs and/or Laptops*	50
<input checked="" type="checkbox"/>	Use (hours/week)*	40
<input checked="" type="checkbox"/>	Use (weeks/year)*	51
<input checked="" type="checkbox"/>	Principal HVAC Type*	Warm Air Furnace
<input checked="" type="checkbox"/>	Principal Lighting Type*	Surface Fluorescent T5

BUILDING ENERGY AUDIT DATA REPORT

Facility Description

Building Name: **Example Building**

Construction

Roofs

 Roof Construction	Built-Up with Concrete Deck			
 Roof R Value	30			
 Roof Condition	Fair			
 Cool Roof	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	
 Green Roof	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
 Pitch (degrees)	20			
 Roof Area (ft ²)	20000			
 Percent of Roof which is Terraces/Setbacks (%)	5			
 Terrace / Setback R Value			<input checked="" type="checkbox"/> N/A	
 Alternative Roof System	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	

Skylights

 Skylight Construction Type	Glass
 U-Value	1.22
 SHGC	0.817
 VT	0.893
 Skylight Percentage of Roof Area (%)	2

Walls

 Wall Construction	Metal panel/Curtain Wall		
 Above Grade Wall Insulation R Value	13		
 Below Grade Wall Insulation R Value	8	<input type="checkbox"/> N/A	
 Total Exposed Above Grade Wall Area	14000		
 Below Grade Wall Area	2000		
 Above Grade Demising Wall Area	0		

Windows

 Framing Material	Metal		
 Window Glass Type	Double Pane		
 Gas Fill	Yes		
 Operable	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
 U-Value	1.22		
 SHGC	0.817		
 VT	0.893		
 Window Wall Ratio	0.6		

BUILDING ENERGY AUDIT DATA REPORT

Facility Description

Building Name: **Example Building**

Construction

Foundation Types

- | | |
|---|---|
| <input checked="" type="checkbox"/> Floor Construction Type | Slab-On-Grade |
| <input checked="" type="checkbox"/> Slab Insulation | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Foundation R Value | 19 |

Exterior Floors

- | | |
|--|--------------------|
| <input checked="" type="checkbox"/> Exterior Floor Construction Type | Wood Framed Floors |
| <input checked="" type="checkbox"/> Exterior Floor R Value | 25 |
-

Lighting

- | | |
|---|----------------|
| <input checked="" type="checkbox"/> Fixture Type | Fluorescent T8 |
| <input checked="" type="checkbox"/> Ballast Type | Electronic |
| <input checked="" type="checkbox"/> Mounting Type | Recessed |

Lighting Controls

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Manual | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Occupancy Sensor | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Photocell | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| <input checked="" type="checkbox"/> Timer | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| <input checked="" type="checkbox"/> Building Automation System (BAS) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| <input checked="" type="checkbox"/> Advanced | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| <input checked="" type="checkbox"/> Other | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| <input checked="" type="checkbox"/> None | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

- | | |
|--|---|
| <input checked="" type="checkbox"/> Space Function Served | Office |
| <input checked="" type="checkbox"/> Uses Total Area (ft ²) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <input checked="" type="checkbox"/> Area Served by this Lighting (ft ² or %) | 100 |

BUILDING ENERGY AUDIT DATA REPORT

Facility Description

Building Name: **Example Building**

HVAC

Heating Plants

<input checked="" type="checkbox"/> Heating Plant Type*	Hot Water Boiler	
<input checked="" type="checkbox"/> Fuel Type*	Fuel Oil #1	
<input checked="" type="checkbox"/> Venting Type*	Mechanical Draft	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Location of Equipment*	Above Ground	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Approximate Year Installed*	2000	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Condition*	Good	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Number of Pieces of Equipment*	1	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Input Capacity (MBH)		<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Output Capacity (MBH)*	75	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Efficiency Units*	AFUE	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Rated Efficiency (%)*	80	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Burner Type		<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Burner Quantity		<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Year Burner Installed		<input checked="" type="checkbox"/> N/A

Controls

<input checked="" type="checkbox"/> Building Automation System (BAS)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/> Direct Digital (DDC)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Pneumatic Controls	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Cooling Plants

<input checked="" type="checkbox"/> Cooling Plant Type*	Absorption Chiller – 1 Stage	
<input checked="" type="checkbox"/> Fuel Type*	Electricity	
<input checked="" type="checkbox"/> Chiller Compressor Type*	Scroll/Screw	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Chiller Condenser Type*	Water Cooled	
<input checked="" type="checkbox"/> Linked Condenser Plant*	Cooling Tower	
<input checked="" type="checkbox"/> Chilled Water Reset*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Chiller Pump Control*	Constant Primary: Variable Secondary	
<input checked="" type="checkbox"/> Location of Equipment	Above Ground	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Approximate Year Installed*	2001	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Condition*	Good	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Number of Pieces of Equipment	2	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Output Capacity (MBH)	70	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Efficiency Units	COP	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Rated Efficiency	4	<input type="checkbox"/> N/A

Controls

<input checked="" type="checkbox"/> Building Automation System (BAS)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/> Direct Digital (DDC)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Pneumatic Controls	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

BUILDING ENERGY AUDIT DATA REPORT

Facility Description

Building Name: **Example Building**

HVAC

Condenser Plants

 Condenser Plant Type*	Cooling Tower
Cooling Tower Fan Control Type	Single Speed
Condenser Pump Control Type	Variable Speed

HVAC Systems

System Type	VAV with Hot-Water Reheat
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Heating

 Heating Source*	Heat Pump
 Fuel Type	Electricity
Sink/Source Type*	Air
 Location of Equipment*	Above Ground
 Approximate Year Installed*	2002
 Condition*	Excellent
 Number of Pieces of Equipment*	1
 Output Capacity (MBH)*	90
 Efficiency Units*	COP
 Rated Efficiency*	8
 Burner Type	
 Burner Quantity	
 Year Burner Installed	

Cooling

 Cooling Source*	DX
 Fuel Source*	Electricity
 Location of Equipment*	Above Ground
 Approximate Year Installed*	2002
 Condition*	Excellent
 Number of Pieces of Equipment*	1
 Output Capacity (MBH)*	90
 Efficiency Units*	COP
 Rated Efficiency*	8

BUILDING ENERGY AUDIT DATA REPORT

Facility Description

Building Name: **Example Building**

HVAC

Distribution Equipment

<input type="checkbox"/> Thermal Zoning*	Multi Zone with Reheat
<input checked="" type="checkbox"/> Distribution Equipment Type*	Air Handling Unit
<input checked="" type="checkbox"/> Fan Control*	Variable Volume
Terminal Unit Type	VAV with Reheat
Minimum Airflow Fraction	0.3
Fan Efficiency	80
Motor Efficiency	90
Fan Static Pressure Reset Control	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Supply Air Temperature Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Energy Recovery Ventilation*	Sensible and Latent
Demand Control Ventilation*	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Outdoor Air Control*	Temperature Economizer

Zone Controls

<input checked="" type="checkbox"/> Direct Digital (DDC)*	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/> Pneumatic Controls*	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/> Manual Thermostat*	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Programmable Thermostat*	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/> None*	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Space Functions Served

<input checked="" type="checkbox"/> Space Function Served	Office
<input checked="" type="checkbox"/> Percentage of Area Served by this Equipment	100

BUILDING ENERGY AUDIT DATA REPORT

Facility Description

Building Name: **Example Building**

Service Hot Water System

 Thermal Zoning	Direct Fired- Storage
 Location of Equipment	Above Ground
 Approximate Year Installed	2001
 Fuel Source	Electricity
 Efficiency Units	AFUE
 Rated Efficiency	80
 Distribution Type	Distributed
 Tank Volume	90
 Tank Insulation Thickness	2
 Tank Insulation R-Value	25

Space Functions Served

 Space Function Served	Office
 Percentage of Area Served by this Equipment	100

BUILDING ENERGY AUDIT DATA REPORT

Utility Data and Benchmarking

Building Name: **Example Building**

Ownership Details

Percent Owned 100
 Percent Leased 0
Multi-Tenant Yes No

Metering Configuration – *New York City Report only*

Residential Tenants

<input type="checkbox"/> Tenants Directly Metered: Electric	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Tenants Directly Metered: Gas	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Tenants Sub-Metered by Building Owners: Electric	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Tenants Sub-Metered by Building Owners: Gas	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Tenants Not Directly Metered or Sub-Metered: Electric	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Tenants Not Directly Metered by Sub-Metered: Gas	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A

Commercial Tenants

<input type="checkbox"/> Tenants Directly Metered: Electric	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Tenants Directly Metered: Gas	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Tenants Sub-Metered by Building Owners: Electric	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Tenants Sub-Metered by Building Owners: Gas	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Tenants Not Directly Metered or Sub-Metered: Electric	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Tenants Not Directly Metered by Sub-Metered: Gas	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A

Energy Systems Configurations – *New York City Report only*

<input type="checkbox"/> Shared Energy Systems or Meters for Multiple Buildings on a Single Lot	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input type="checkbox"/> Shared Energy Systems or Meters for Multiple Buildings on Multiple Lots	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Shared Electric Meter	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input type="checkbox"/> Shared Gas Meter	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Shared Oil	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input type="checkbox"/> Shared Chilled Water	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Shared Heat	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input type="checkbox"/> Shared Utility Steam Meter	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

BUILDING ENERGY AUDIT DATA REPORT

Utility Data and Benchmarking

Building Name: **Example Building**

Energy Supply Sources

<input checked="" type="checkbox"/> Energy Supply Source	<input checked="" type="checkbox"/> Account #	<input checked="" type="checkbox"/> Metering Type	<input checked="" type="checkbox"/> Rate Schedule
Electricity	101-987654	Direct Metering	Single phase
Natural Gas	202-987654	Master Metering with Sub-Metering	Three phase

Energy Reporting Years

Start Date	End Date	Metering entries	Delivery entries
2010-01-01	2010-12-31	12	2
2011-01-01	2011-12-31	0	0
2012-01-01	2012-12-31	0	0

Metered Energy

Energy Type: Electricity

<input checked="" type="checkbox"/> Start Date	<input checked="" type="checkbox"/> End Date	Days	<input checked="" type="checkbox"/> Use (kWh)	<input checked="" type="checkbox"/> Cost (\$)	<input checked="" type="checkbox"/> Peak (kW)	Load Factor	kWh/day	kBtu/day
01/01/2010	1/31/2010	31	83333.3	8333.0	200.0	56	2688	9172
02/01/2010	2/38/2010	28	83333.3	8333.0	225.0	55	2976	10154
03/01/2010	3/31/2010	31	83333.3	8333.0	240.0	46	2688	9172
04/01/2010	4/30/2010	30	83333.3	8333.0	280.0	41	2777	9477
05/01/2010	5/31/2010	31	83333.3	8333.0	300.0	37	2688	9172
06/01/2010	6/30/2010	30	83333.3	8333.0	350.0	33	2777	9477
07/01/2010	7/31/2010	31	83333.3	8333.0	325.0	34	2688	9172
08/01/2010	8/31/2010	31	83333.3	8333.0	400.0	28	2688	9172
09/01/2010	9/30/2010	30	83333.3	8333.0	375.0	30	2777	9477
10/01/2010	10/31/2010	31	83333.3	8333.0	300.0	37	2688	9172
11/01/2010	11/30/2010	30	83333.3	8333.0	325.0	35	2777	9477
12/01/2010	12/31/2010	31	83333.3	8333.0	250.0	44	2688	9172
Average Annual Total			1000000	99996	400	28%		

Note: fields displayed in **green** indicate values calculated by the tool and not directly entered by the user.

BUILDING ENERGY AUDIT DATA REPORT

Utility Data and Benchmarking

Building Name: **Example Building**

Delivered Energy

Energy Type: Fuel Oil #1

 Delivery Date	 Fuel Oil #1 Qty (Gallons)	 Fuel Oil #1 Cost (\$)	 Fuel Oil #1 kBtu
05/01/2010	500.0	250.0	69500
06/01/2010	250.0	150.0	34750

Annual Summary

Energy Type	Average Annual Use	Units	Conversion Multiplier	Thousands BTU	Average Annual Cost (\$)
Electricity	1000000	kWh	3.412	3412000	99996
Natural Gas	25740	Therms	100.0	2574000	19308
Chilled Water	148500	ton-hours	12.0	1782000	35640
Fuel Oil #1	750	Gallons	139.0	104250	400
Total				7872250	155344

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BUILDING ENERGY AUDIT DATA REPORT

Energy Use Breakdown and QA/QC

Building Name: **Example Building**

Energy Use by End Use

Energy Supply Source: Electricity

<input checked="" type="checkbox"/> End Use	<input checked="" type="checkbox"/> Electricity (kWh)	Electricity (kBtu)
Space Heating	50000.0	170599
Lighting	50000.0	170599
Domestic Water Heating	1500.0	5117
Process Loads	500000	1705999
Other	0.0	0
Total	601500	2052317
Total (from annual summary)	1000000	3412000
Difference	-398500	-1359682
% Difference	-39%	-39%

Energy Supply Source: Natural Gas

<input checked="" type="checkbox"/> End Use	<input checked="" type="checkbox"/> Natural Gas (Therms)	Natural Gas (kBtu)
Space Heating	15000.0	1500000
Domestic Water Heating	5000.0	500000
Total	20000	2000000
Total (from annual summary)	25740	2574000
Difference	-5740	-574000
% Difference	-22%	-22%

Energy Supply Source: Chilled Water

<input checked="" type="checkbox"/> End Use	<input checked="" type="checkbox"/> Chilled Water (ton-hours)	Chiled Water (kBtu)
Space Heating	140000.0	1680000
Domestic Water Heating	2500.0	30000
Total	142500	1710000
Total (from annual summary)	148500	1782000
Difference	-6000	-72000
% Difference	-4%	-4%

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BUILDING ENERGY AUDIT DATA REPORT

Energy Use Breakdown and QA/QC

Building Name: **Example Building**

End Use Summary

End Use	Total Energy Use (kBtu)	% of Total Energy Use (kBtu)
Space Heating	3350599	58
Lighting	170599	3
Domestic Water Heating	535117	9
Process Loads	1705999	30
Total	5762317	100
Total (from annual summary)	7872250	
Difference	-2109932	
% Difference	-26%	

Note: fields displayed in **green** indicate values calculated by the tool and not directly entered by the user.

BUILDING ENERGY AUDIT DATA REPORT

Energy Savings Opportunities

Building Name: **Example Building**

Energy Savings Opportunities

Package:	Annual Energy & Cost Savings				Payback with incentives						
	Total Cost Savings	Peak Demand Savings (kW)	Electricity savings (kWh)	Gas/Fuel savings (therms)	Measure cost	Potential incentives	Measure life (years)	Net measure cost	Simple ROI (%)	Simple Payback (w/o incentives - years)	Simple Payback (w/ incentives - years)
Low Cost and No Cost Recommendations											
Package 1: Lighting Retrofits	3,000	1.0	50.0					1,700	176	1.0	0.6
Measure: Retrofit with T-8; ^2; ^M1 Retrofit with T-5; ^1; ^M2					2,500 400	1,000 200	4.0 2.0				
Package 2: Hot Water Heating	2,000	2.0	40.0					650	307	0.5	0.3
Measure: Install DHW Controls; T-8; ^2; ^M1 Install low-faucet aerators; ^1; ^M2					500 500	200 150	5.0 6.0				
Potential Capital Recommendations											
Package 1: Appliances	1,500	3.0						800	187	0.9	0.5
Measure: Replace with Energy Star rated; ^1; ^M1					1,400	600	3.0				
Package 2: HVAC	1,800	4.0						900	200	0.8	0.5
Measure: Convert CAV system to VAV system; ^3; ^M1 Insulate ducts; ^1; ^M1 Replace chiller; ^2; ^M2					900 300 200	300 100 100	4 4 4				
Totals (recommended measures)	8,300	10.0	90.0	0	6,700	2,650		4,050			

*Measure key

^ Status:

1. Recommended
2. Further Study Recommended
3. Not Recommended
4. Implemented

^^ Modeling/Calculation Approach:

1. Spreadsheet Calculations
2. Energy Modeling Software

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