

City Hall

Executive Summary 2009

6 East 6th Street



Description

Exterior is brick. Interior is sheetrock and metal studs. 154 feet long and 82 feet high. 36,000 sq. ft.

Year Constructed

Dedicated August 23, 1980

Current Appraised Value

\$5,872,950.00 (\$2,260,240.00 Land, \$3,612,710.00 improvements)

Replacement Cost

\$6,677,486.95

Condition Report

City Hall is in good overall condition. The slate roof needs attention to prevent deterioration of the structure.

Completed Improvements

1986

- Waterproofing and caulking of City Hall, Kelly waterproofing 17,900.00

1997

- Remodeled planning offices, incorporating the Mayors office, \$24,600.00
- Waterproofing and tuck-pointing the exterior of City Hall, \$47,000.00

1999

- Replaced the rooftop units, installed DDC control system, upgraded the electrical system to support improvements to the HVAC system
- Replaced roof with white reflective membrane, \$62,709.00., Boone Brothers 12 yr. warranty
- Restroom renovations on 3rd and 4th floor \$51,280.00., B.A. Green construction
- City commission room remodeled \$52,032.00

2000

- Remodeled Personnel Department on 2nd Floor, \$38,000.00
- Remodeled 1st and 2nd floor restrooms, \$56,886.00
- Phase 2 HVAC renovations: VAV, ductwork and electrical upgrades for \$256,282.00

2001

- Remodeled ground floor restrooms, \$32,051.00
- Phase 3 HVAC renovations: VAV, ductwork and electrical, including lighting upgrades for ground floor; electrical upgrades 2nd floor, \$248,960.00

2002

- Phase 4 A/C renovation/replacement of 1st floor VAV system including ductwork, installation of DDS controls, and extension of building electrical including lighting system to support changes, \$153,900.00
- Upgrade City Commission room lighting for an 80% reduction in energy consumption

2005

- Phase 5 A/C renovation/replacement of 4th floor VAV system including ductwork, installation of DDC controls, extension of building electrical including lighting system to support changes, \$320,000.00

2008

- Started the installation of occupancy sensors in offices, restrooms and meeting rooms
- Upgraded – added new HVAC unit for the Information Technology Dept.

Energy Conservation Efforts

- Replaced roof top units, incorporated variable speed drives, multi-phase project, 1999-2004
- Replaced pneumatic controls with computer operated system to give better control of energy usage, 2004
- Replaced fluorescent F-40 lighting with electronic T-8 ballasts and bulbs
- Replaced lighting in City Commission room with energy efficient lighting saving approximately 80 percent energy, 2003
- Using recycled content carpet
- Installed reflective material on windows, 2001
- Set temperature controls for building at 68 in the winter and 78 in the summer
- In the process of replacing operable windows in City Hall with weather double pane low E argon gas filled windows
- Installing motion and infrared detectors for lighting controls
- Set up recycling center on ground floor for: white paper, mixed paper, newspapers, magazines, plastic, and glass

Needed Improvements

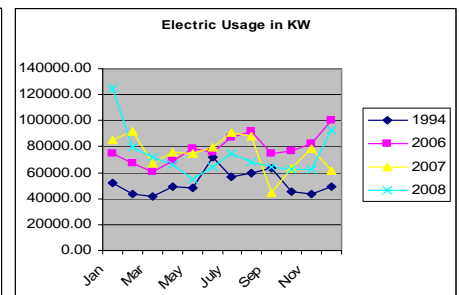
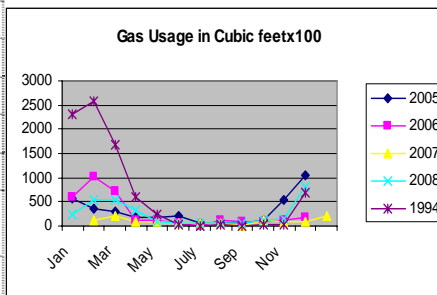
- Replace or repair slate roof
- Exterior windows need to be caulked and sealed
- Auxiliary warm up heat for the City Commission room
- Additional storage space

Needed Energy Efficiency Projects

- Replacement of all windows
- Replace atrium windows
- Roller blinds in atrium

Energy Costs History

	2007	2008
Gas	\$1,497.53	\$3,462.79
Sq. ft.	00.04	00.10
Electric	\$52,698.62	\$57,638.60
Sq. ft.	01.46	01.60
Heating degree days	6949	5770
Cooling degree days	1701	1173



Natural Gas Usage

	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec
2007	130	210	85	76	54	58	59	0	112	91	91	221
2008	236	548	536	340	97	71	51	51	63	113	164	797

Electricity Usage

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
2007	85600	92200	67000	75600	75000	79800	90800	88200	44600	63000	78000	61200
2008	125200	79600	72000	65800	54500	64200	74400	68200	64600	62000	62600	92800

Lawrence Public Library Executive Summary 2009 707 Vermont



Description

Exterior is Stone and precast concrete. Interior is sheetrock and metal studs. 45,000 sq. ft.

Year Constructed

1972

Current Appraised Value

Land	Improvements	Total
2,310,300	4,215,620	6,525,920

Replacement Cost

\$6,677,486.95

Condition Report

The building is in need many upgrades. The roof is at the end of its expected life. The roof has blisters and cracks. Need replaced within five years. The HVAC is all obsolete and inefficient. Controls have not been working for years. Majority is original equipment. Lighting has had some upgrades, but the majority of the electrical needs upgraded.

Completed Improvements

1992

- Remodeled a portion of the building in 1992
- Roof replaced by industrial roofing for 47,926.00

Energy Conservation Efforts

- Some lighting in the public area has been upgraded.

Needed Improvements

- Replace roof \$500,000.00 estimate
- Exterior windows need to be upgraded
- HVAC Equipment and controls 400,000.00

Needed Energy Efficiency Projects

- HVAC update
- Window update
- Roof replacement

Energy Costs History

	2007	2008
Gas		
Sq. ft.		
Electric		

Lawrence Arts Center Executive Summary 2009 940 New Hampshire Street



Description

Steel framing; exterior is brick with corrugated steel. Interior is sheetrock and metal studs. 40,000 sq. ft.

Year Constructed

Opened in 2002

Current Appraised Value

\$8,578,900.00 (\$388,580.00 land, \$8,190,320.00 improvements)

Replacement Cost

\$9,308,271.67

Condition Report

The Arts Center is in good overall condition.

Completed Improvements

2003 to present

- Awning was installed on ceramic room terrace
- Ongoing painting
- GFCI's added to studio and class rooms
- Writing Room converted to Digital Media Room

Energy Conservation Efforts

- Energy saving lighting is being used to replace incandescent; lighting will always be upgraded
- Dimmers have been installed

Needed Improvements

- Magnetic door holders for four doors, \$5,000.00
- Improve lighting in large gallery
- Add bicycle rack parking
- Install electrical connection for the fountain by daycare
- Electrical for outdoor kiln canopy

I.T.C. Building

Executive Summary 2009

4820 Bob Billings Parkway



Description

Exterior is brick. Interior is sheetrock and metal studs. 39,000 total sq. ft. East side upper level is currently unoccupied and is used for PD storage and training exercises and consists of 7,000 sq. ft.

Year Constructed

1988

Current Appraised Value

4820-A	Land	Improvements	Total
	\$249,370	1,374,030	1,623,400.00
4820-B	Land	Improvements	Total
	506,860.00	1,151,040	1,657,900.00

Condition Report

Building is in good overall condition. There are periodic small leaks in the roof. The roof is still under warranty.

Completed Improvements

2000

- Roof replacement. Roof has a 20 yr warranty.
- Lower level remodel

2001

- DEU rooftop replacement
- New rooftop for upper level west side

2003

- Electric VAV reheat boxes installed upper, level west side
- New DDC controls installed in the upper level, west side

2004

- DDC controls installed lower level west side

2005

- Rooftop unit replaced for south side, upper level unoccupied space

Energy Conservation Efforts

- Replacing roof top units, incorporated variable speed drives, multi-phase project, 1999-current
- Installed DDC controls, upper and lower levels
- Installed electric reheat boxes on the upper level allowing for zone temperature control
- Installed ductless split air conditioners in the computer forensic lab
- Installing fluorescent lights and upgrading ballasts as current lighting fails

Needed Improvements

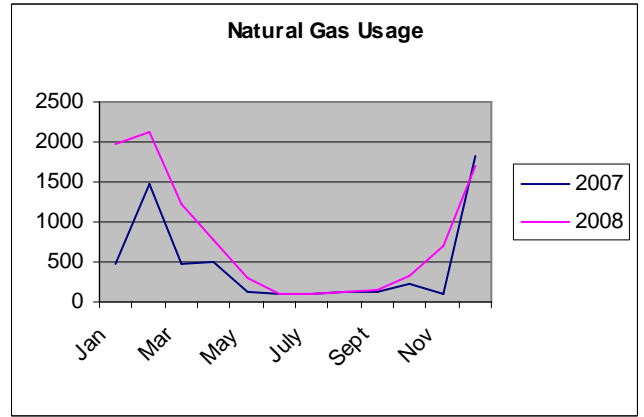
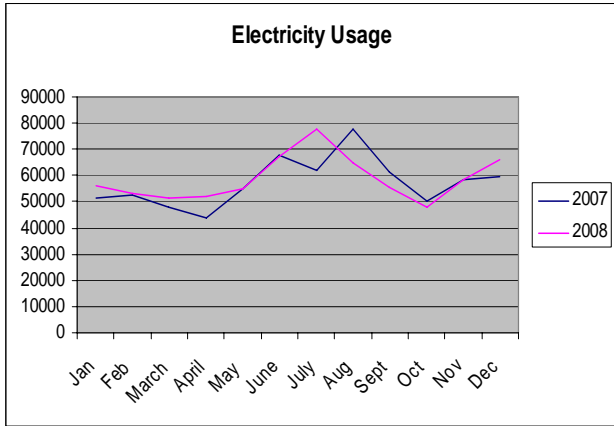
- Renovation of current vacant side
- West patrol offices
- Expansion of current side
- West patrol offices and Admin. expansion
- Additional locker rooms
- Exterior tuck pointing / caulk replacement
- Exterior brick / tile replacement
- Faulty Window Replacement
- Roof Edge Cap replacement
- Replacement / Upgrade of Air Handling Units
- Expansion of Building Security System including Audio/Video
- Concrete replacement (front entry)
- Parking Lot expansion
- Parking Lot overlay
- Removal of existing (de-commissioned) HVAC RTU's
- In Ground Sprinkler System for areas close to building

Needed Energy Efficiency Projects

- Replacement of Low Efficiency Windows
- Installation of Window Canopies on west windows
- Replacement/Upgrade of Air Handling Units
- Complete installation of VAV duct heaters
-

Energy Costs History

	2007	2008
Gas	\$6,943.80	\$9965.19
Sq. ft.	.18	.25
Electric	\$36,452.65	\$45,263.59
Sq. ft.	.93	1.16
Heating degree days	6949	5770
Cooling degree days	1701	1173



Natural Gas Usage

	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec
2007	481	1464	471	492	127	112	105	113	130	235	112	1823
2008	1969	2115	1225	772	302	96	104	51	157	328	708	1710

Electricity Usage

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
2007	51200	52400	47800	43600	55200	67800	61800	77600	61200	50000	58600	59400
2008	56200	53000	51600	52000	55200	67400	77800	64600	55600	47800	58200	66200

Community Health Building Executive Summary 2009 200 Maine Street



Description

Steel framing; exterior is brick and corrugated steel. Interior is sheetrock and metal studs. 86,474 sq. ft.

Year Constructed

Constructed 1998-1999

Current Appraised Value

\$14,587,950.00 (\$509,650.00 land, \$14,078,300.00 improvements)

Replacement Cost

\$18,616,544.41

Condition Report

The Community Health Building is in good overall condition. Parking lot shows signs of deterioration.

Completed Improvements

No major improvements have been done.

Energy Conservation Efforts

- Replaced lighting with electronic ballast T-8 lighting starting in 2004
- HVAC only in operation when occupied or when temperature requires
- Have set temperature set point at 72E in the winter and 76E in the summer
- Installing motion and infrared detectors for lighting controls
- Set up recycling for white paper, mixed paper, newspapers, magazines, plastic, and glass

Needed Improvements

- Roof is 10 years old; life expectancy is 15 to 20 years
- Access control system is no longer supported by Simplex
- Boilers are obsolete; the heat exchanger not available

Needed Energy Efficiency Projects

- Show water temperature reset controls to adjust with the daily temperatures
- Continue replacing high energy usage lighting with lower energy consumption lighting

Kansas River Wastewater
Treatment Plant
Executive Summary 2009
1400 E. 8th Street



Description

Buildings and above ground structures' exteriors are brick. Administration building interior is sheetrock and metal. All other buildings' interiors are glazed or painted block. Above and below ground structures are concrete. Facility includes 18 buildings, 11 above ground structures, and 17 below ground structures, as well as miscellaneous underground piping and equipment.

Year Constructed

1956

Current Replacement Value

\$48,264,744.62

Condition Report

The wastewater treatment plant structures are in very good overall condition. General maintenance of all buildings and structures is required on a regular basis.

Completed Improvements

The original structures of the wastewater treatment facility were constructed in 1956. Secondary treatment and associated structures were added in 1976. Maintenance and improvements are planned and completed on the facility on an on-going basis. However, the following major improvements were completed in recent years:

1997

- Rehabilitated the digesters and replace aging support systems, including construction of gas collection.
- Rehabilitated the chlorine contact basins and added sodium bisulfite addition to the disinfection process.

1999

- Replacement of the grit removal and washing system

2000

- Added the biosolids handling facility, including dissolved air floatation system, belt presses, chemical addition, biosolids storage, and biofilter.
- Added a third boiler to the anaerobic digester. (\$8,000,000)

2003

- Rehabilitated plant, including replacement of bar screens, raw pumps, scum pumping, primary sedimentation basins, aeration and final basins. Added increased treatment capacity through additional primary, aeration, and final basins and excess flow facilities. (\$40,000,000)

2005

- Added a roof to the biosolids storage bays. (\$300,000)

2008

- Add equipment storage building.

Energy Conservation Efforts

- Installed motion detection lighting in all plant buildings, 2000

- Recycle paper, cardboard, and plastic, 2007
- Installed variable frequency drives for pumps, 2000
- Replace pumps and motors with energy efficient models, on-going.
- Reduction of I&I with CIPP program, on-going

Needed Improvements

- Replacement of HVAC on the administration building.
- Rehabilitation of anaerobic digester.
- Evaluate needs of replacing existing WWTP blowers with Turblex High Efficiency Turbines.

Needed Energy Efficiency Projects

- Replacement of HVAC on the administration building and installation of programmable thermostats.
- Private I&I Reduction Program
- Evaluation of shutting down blowers to optimize usage to meet DO needs.
- Construct 3-5 megawatt electrical generation facility at Hamm's Landfill.

Energy Costs History

	2007	2008
Gas	\$129,219	\$151,174
Gallons of WW treated/cu. ft.	292	1733
Electric	\$403,103	\$471,736
Gallons of WW treated/kw	442	452
Heating degree days	NA	NA
Cooling degree days	NA	NA

Note: Most of the electricity and gas is used for the operation of the plant, including the pumps, motors, blowers, and other equipment that is used in the treatment of wastewater. Only a small percentage of these costs are related to lighting, temperature control, and other office uses.

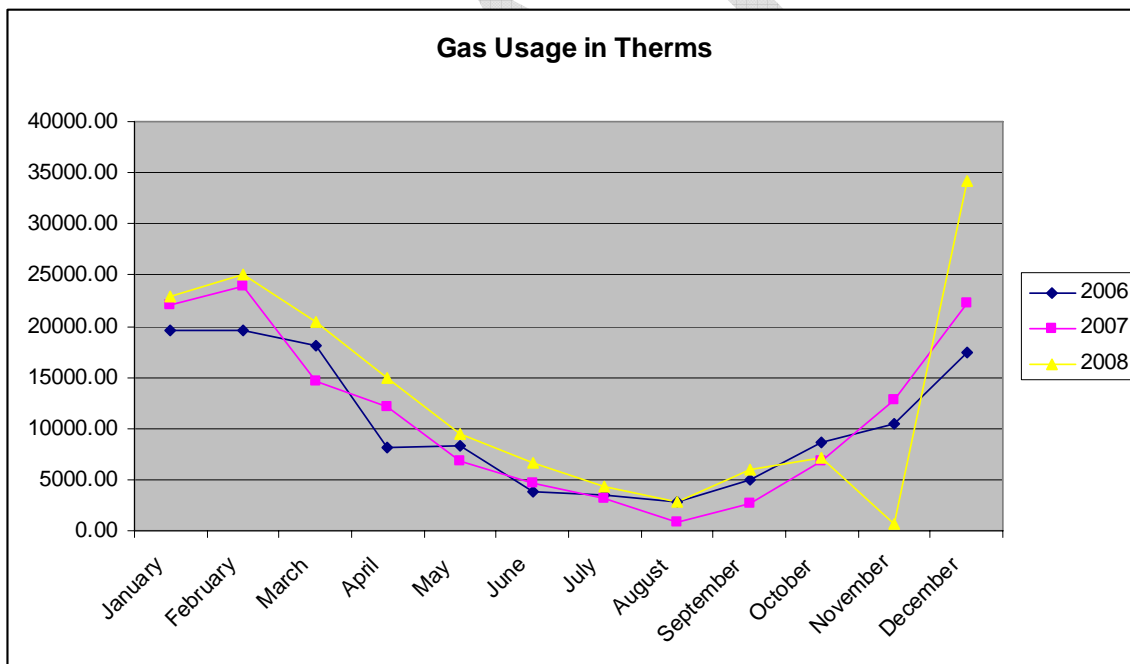
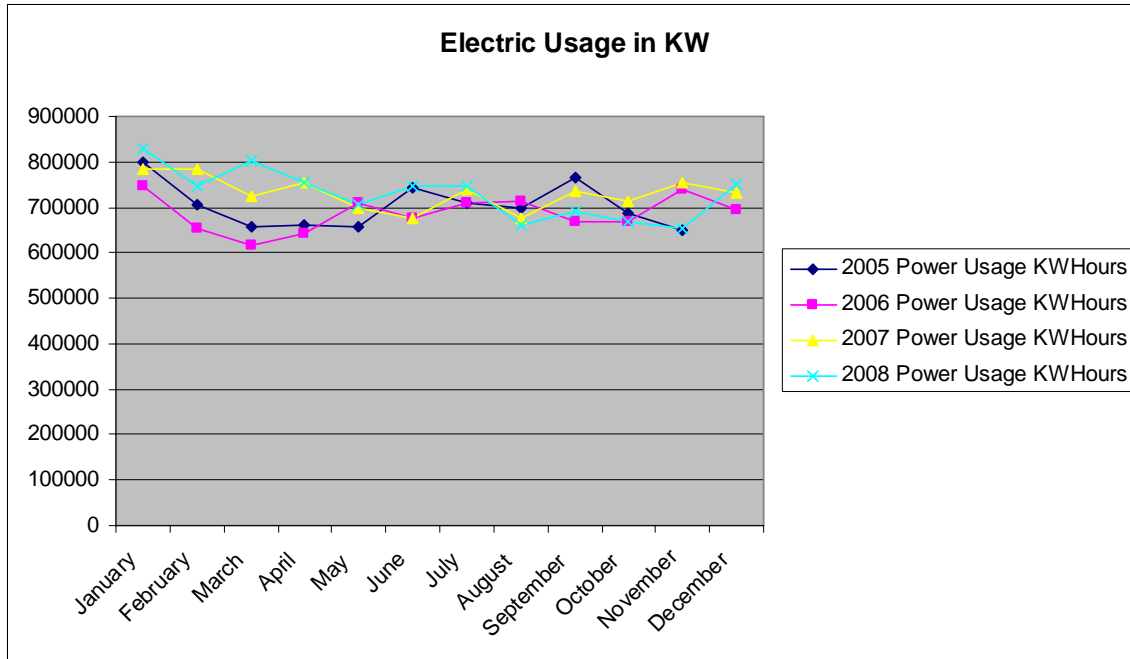
Energy Consumption

Natural Gas Usage

	January	February	March	April	May	June	July	August	September	October	November	December
2007	22086	23968	14688	12045	6774	4599	3232	895	2634	6802	12841	22208
2008	22879	25034	20496	148870	9518	6583	4292	2828	5918	7146	604	34175

Electricity Usage

	January	February	March	April	May	June	July	August	September	October	November	December
2007	782400	784800	724800	753600	699600	676800	739200	676800	736800	712800	753600	732000
2008	830400	747600	804000	754800	704400	746400	747600	661200	692400	668400	655200	748800



Kaw River Water Treatment Plant
Executive Summary 2009
720 W. 3rd Street



Description

Buildings and above ground structures' exteriors are brick. Administration building interior is sheetrock, block, and metal. All other buildings' interiors are glazed or painted block. Above and below ground structures are concrete. Facility includes 10 buildings, 1 above ground structures, and 6 below ground structures, as well as miscellaneous underground piping and equipment.

Year Constructed

1916

Current Replacement Value

\$18,189,852

Condition Report

The water treatment plant structures are in good overall condition. General maintenance of all buildings and structures is required on a regular basis.

Completed Improvements

The original structures of the water treatment facility were constructed in 1916. The facility was expanded with additional filters in 1954. Maintenance and improvements are planned and completed on the facility on an on-going basis. However, the following major improvements were completed in recent years:

2000

- Added the carbon building and feed system.

2002

- Replaced chemical feeders.

2003

- Added pumps station and main to transport lime residual to the WWTP lagoon.

2007

- Replaced low service intake pumps with more energy efficient pumps.

2008

- Replaced chemical feed pumps with energy efficient peristaltic pumps.
- Replaced high service pumps with more energy efficient pumps.

2009

- Added sodium hypochlorite feed system and storage to replace the use of chlorine gas.

Energy Conservation Efforts

- Change pumps and motors to more efficient ones when replacement is needed.
- Occupancy sensors (motion detection) lights in shop and warehouse.
- Boiler replaced with more energy efficient one for heating of main building (2004)
- Brick rehab on main building (2008-2009)
- Replacement of windows to double insulated glass

Needed Improvements

- Occupancy sensors (motion detectors) throughout the rest of the plant and buildings

- Replacement of shop roof and ammonia building roof

Needed Energy Efficiency Projects

- Construct 3-5 megawatt electrical generation facility at Hamm's Landfill.

Energy Costs History

	2007	2008
Gas	\$49,455	\$36,677
Gallons water treated per cu. ft.	533	640
Electric	\$266,791	\$301,094
Gallons water treated per kw	475	454
Heating degree days	NA	NA
Cooling degree days	NA	NA

Note: Most of the electricity and gas is used for the operation of the plant, including the pumps, motors, blowers, and other equipment that is used in the treatment of water. Only a small percentage of these costs are related to lighting, temperature control, and other office uses.

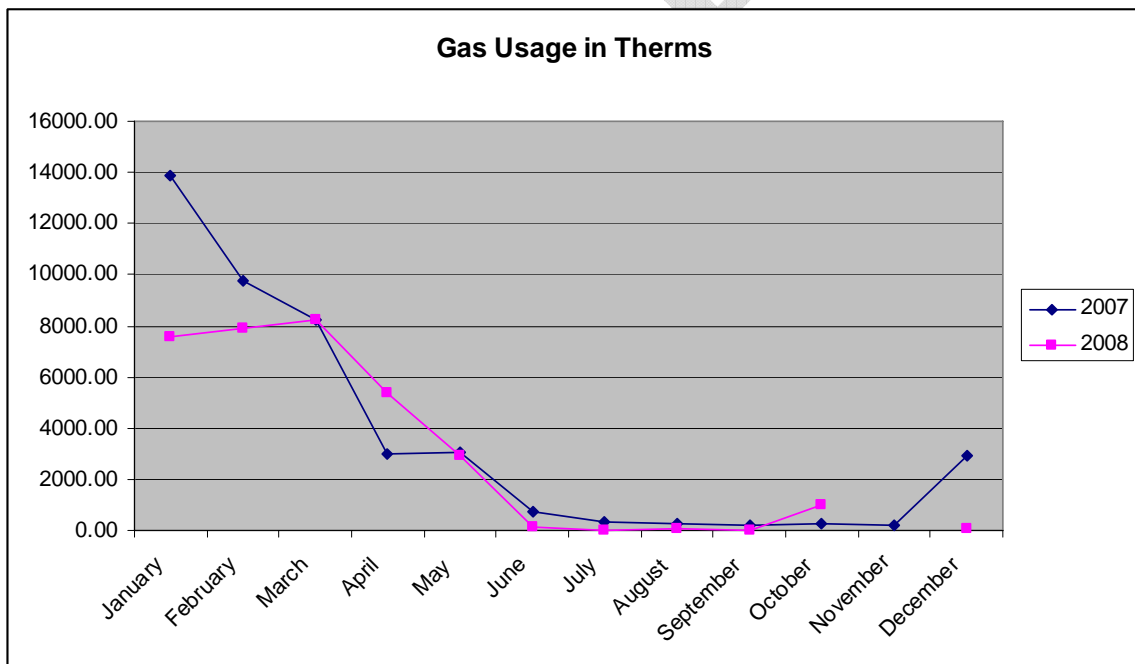
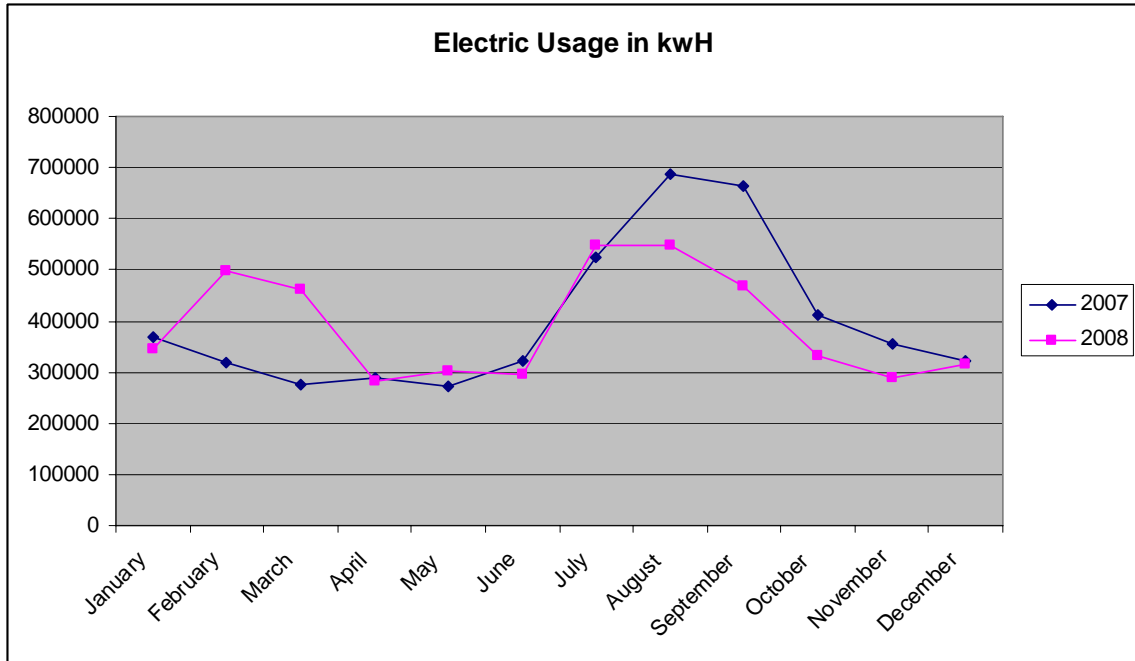
Energy Consumption

Natural Gas Usage

	January	February	March	April	May	June	July	August	September	October	November	December
2007	13862	9789	8202	2969	3085	756	360	255	209	238	223	2936
2008	7577	7895	8222	5353	2935	127	22	39	24	970		99

Electricity Usage

	January	February	March	April	May	June	July	August	September	October	November	December
2007	346601	497424	460230	281990	302693	294014	548731	547132	468548	331746	289132	315949
2008	346601	497424	460230	281990	302693	294014	548731	547132	468548	331746	289132	315949



Clinton Reservoir Water Treatment Plant
Executive Summary 2009
2101 Wakarusa Drive



Description

Buildings and above ground structures' exteriors are brick. Administration building interior is sheetrock, block, and metal. All other buildings' interiors are glazed or painted block. Above and below ground structures are concrete. Facility includes 5 buildings, 2 above ground structures, and 6 below ground structures, as well as miscellaneous underground piping and equipment.

Year Constructed

1980

Current Insured Value

\$16,879,000

Condition Report

The water treatment plant structures are in very good overall condition. General maintenance of all buildings and structures is required on a regular basis.

Completed Improvements

The original structures of the water treatment facility were constructed in 1980. Maintenance and improvements are planned and completed on the facility on an on-going basis. However, the following major improvements were completed in recent years:

2001

- Added 4 more filters and replaced the intake pumps at Clinton dam with energy efficient pumps.

2009

- Added a second train of basins, replaced various equipment with more efficient models and systems, replaced the high service pumps with energy efficient pumps.

Energy Conservation Efforts

- Replaced boiler for more efficient heating of main building

Needed Improvements

(With the completion of Phase I & II construction, there are limited other improvements needed at this time.)

Needed Energy Efficiency Projects

(With the completion of Phase I & II construction, there are limited other improvements needed at this time.)

Energy Costs History

	2007	2008
Gas	\$14,713	\$5,643

Gallons water treated per cu. ft.	1534	1937
Electric	\$245,294	\$261,286
Gallons water treated per kw	617	549
Heating degree days	NA	NA
Cooling degree days	NA	NA

Note: Most of the electricity and gas is used for the operation of the plant, including the pumps, motors, blowers, and other equipment that is used in the treatment of water. Only a small percentage of these costs are related to lighting, temperature control, and other office uses.

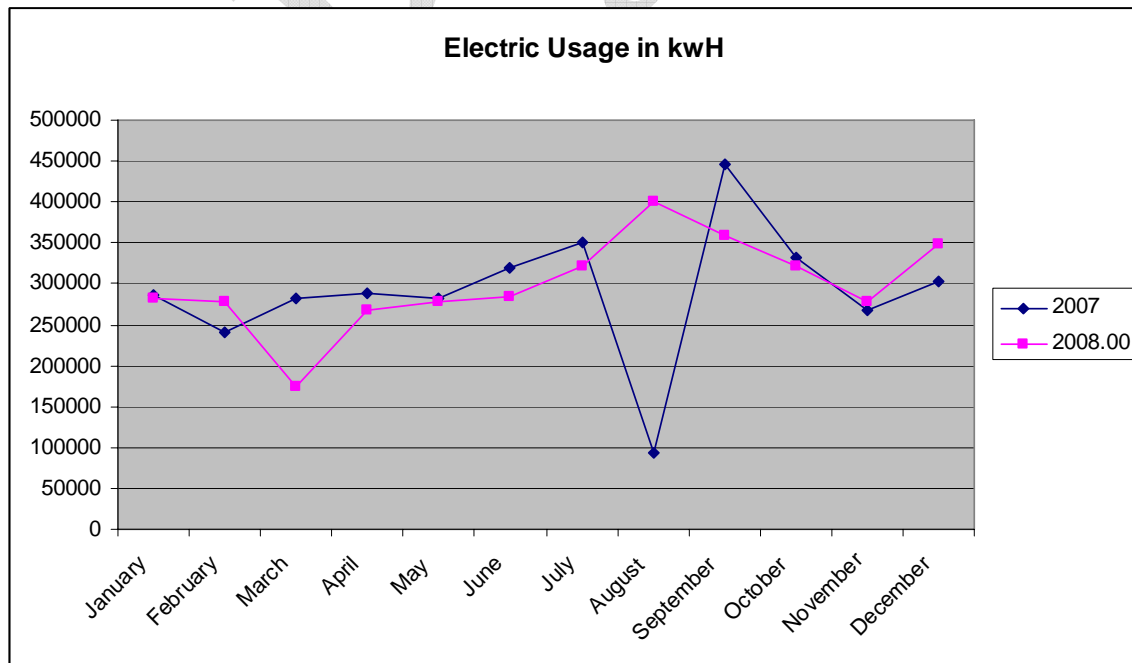
Energy Consumption

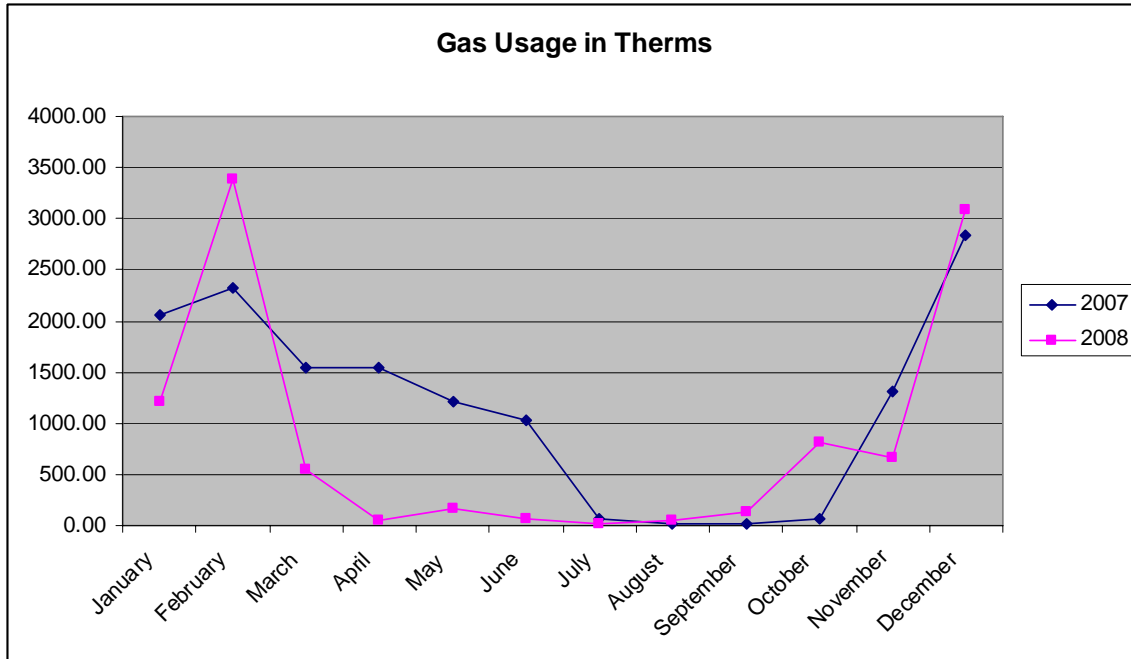
Natural Gas Usage

	January	February	March	April	May	June	July	August	September	October	November	December
2007	2061	2327	1549	1537	1220	1032	69	11	12	66	1306	2845
2008	1211	3391	543	58	166	63	13	47	137	821	656	3082

Electricity Usage

	January	February	March	April	May	June	July	August	September	October	November	December
2007	281280	278112	173416	268504	277036	283844	321800	401020	359056	322024	278860	347660
2008	286072	241216	281976	288694	281280	318984	350632	392448	446560	332680	267920	302712





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Pump Station #5a & 5b (Haskell)
Executive Summary 2009
2701 Delaware



Description

The pump station building exterior is brick and block. Pump station facility includes 2 lift station buildings above ground and associated underground piping and equipment.

Year Constructed

#5a – 1966
#5b - 1985

Current Insured Value

NA

Condition Report

Pump station #5a and #5b are in very good overall condition. General maintenance of all buildings, equipment, and structures is required on a regular basis.

Completed Improvements

Maintenance and improvements are planned and completed on the pump stations on an on-going basis. However, the following major improvements were completed in recent years:

2000

- Replaced pumps with new pumps in PS#5b.
- Installed fluorescent lighting in PS#5a & 5b.

2004

- Installed PLC and SCADA controls in PS#5a & 5b.

2006

- Replaced pumps with new pumps in PS#5a.
- Installed energy efficient HVAC in PS#5a & 5b.
- Installed motion sensors for lighting in PS #5a &5b.

Energy Conservation Efforts

NA

Needed Improvements

None specific to this pumps station at this time.

Needed Energy Efficiency Projects

None specific to this pumps station at this time

Energy Costs History (for #5a and #5b combined)

	2007	2008
Gas	\$2,729	\$2,995
Gallons water	NA	NA

pumped per cu. ft.		
Electric	\$42,861	\$51,572
Gallons water pumped per kw	NA	NA
Heating degree days	NA	NA
Cooling degree days	NA	NA

Note: The electricity and gas is used for pump station operation, including the pumps, motors, blowers, and other equipment that is used in the transfer of wastewater. Only a small percentage of these costs are related to lighting, temperature control, and other occupancy related uses.

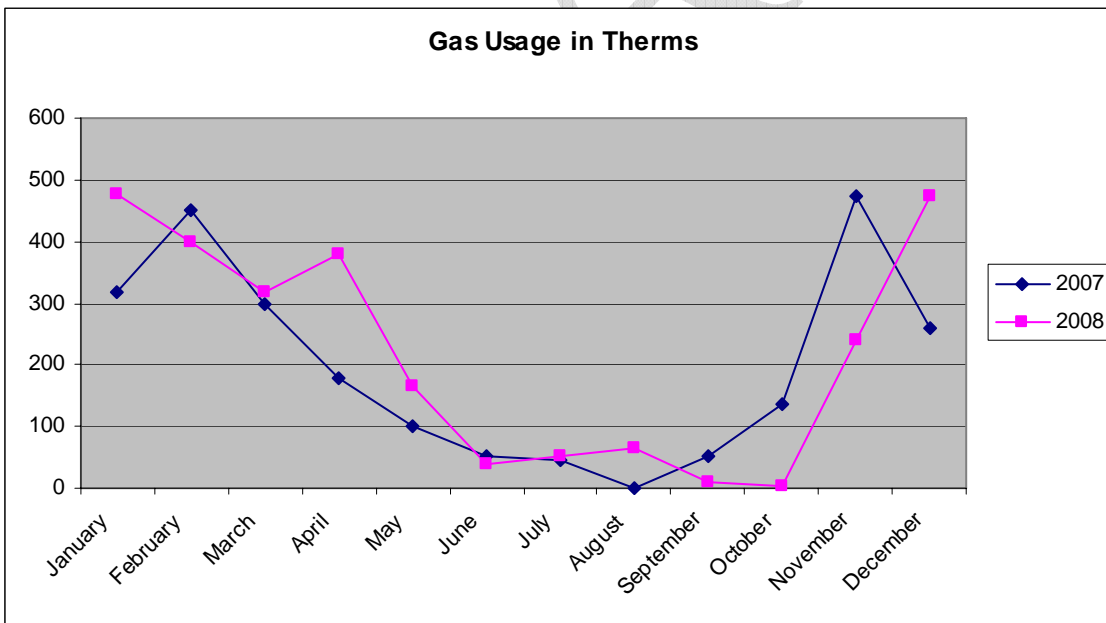
Energy Consumption

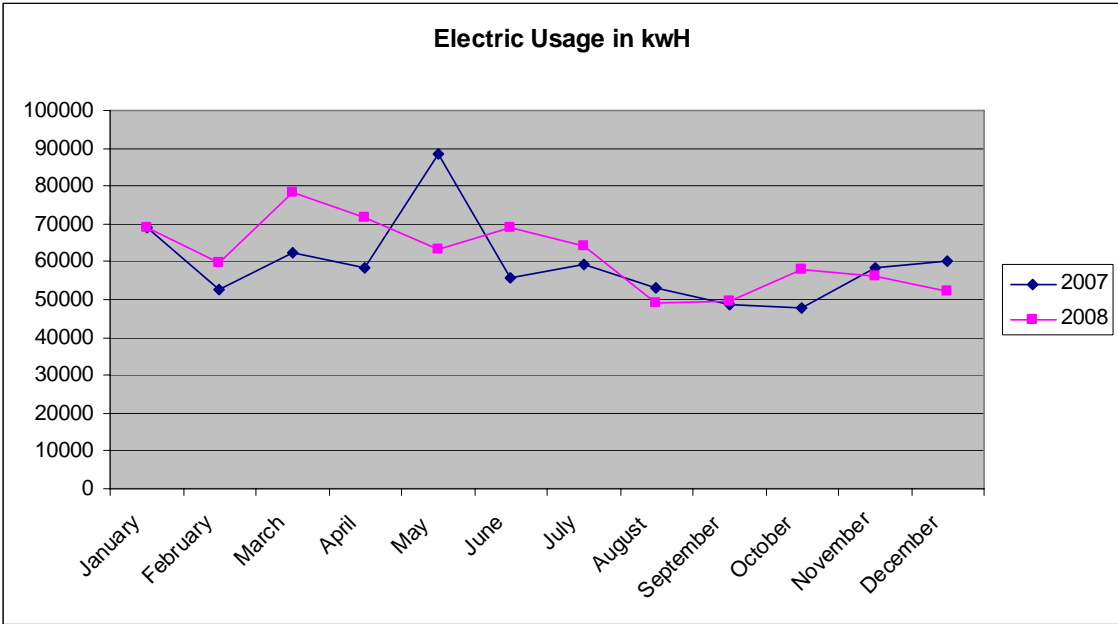
Natural Gas Usage

	January	February	March	April	May	June	July	August	September	October	November	December
2007	319	451	297	180	101	53	46	0	51	137	475	258
2008	477	398	319	381	166	38	51	66	10	2	239	474

Electricity Usage

	January	February	March	April	May	June	July	August	September	October	November	December
2007	69180	52540	62460	58300	88380	55740	59380	53180	48700	47740	58300	60220
2008	69180	59580	78140	71740	63100	69180	64380	49020	49340	57980	56380	52220





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Pump Station #9 (Four Seasons)
 Executive Summary 2009
 3613 Brush Creek Drive



Description

The pump station building exterior is brick and block. Pump station facility includes 1 lift station building above ground, concrete basin, and associated underground piping and equipment.

Year Constructed

2000 (completely replaced an already existing pump station)

Current Insured Value

NA

Condition Report

Pump station #9 is in very good overall condition. General maintenance of all buildings, equipment, and structures is required on a regular basis.

Completed Improvements

Maintenance and improvements are planned and completed on the pump stations on an on-going basis. However, the following major improvements were completed in recent years:

2000

- Complete replacement of all equipment, structures, and building.

2008

- Installed fluorescent lighting in PS#9.
- Installed energy efficient HVAC in PS#9.
- Installed motion sensors for lighting in PS #9.

Energy Conservation Efforts

NA

Needed Improvements

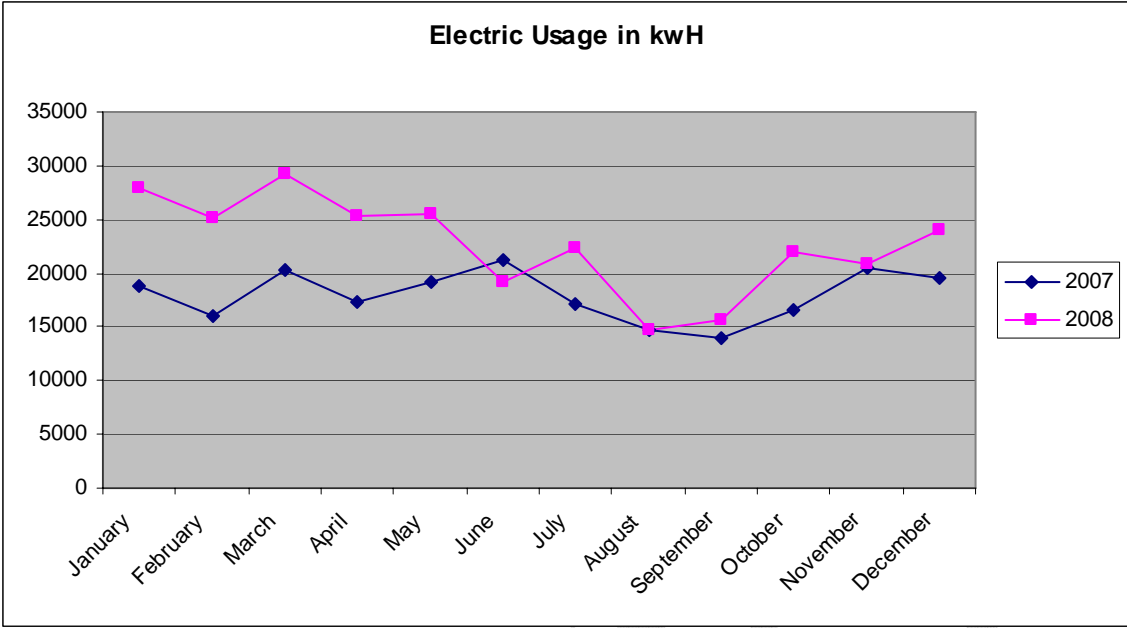
None specific to this pumps station at this time.

Needed Energy Efficiency Projects

None specific to this pumps station at this time

Energy Costs History

	2007	2008
Gas	\$244	\$279
Gallons water pumped per cu. ft.	NA	NA
Electric	\$14,581	\$19,477
Gallons water pumped per kw	NA	NA



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Pump Station #16 (Kentucky)
Executive Summary 2009
220 W. 6th Street



Description

The pump station building exterior is brick and block. Pump station facility includes 1 lift station building above ground and associated underground piping and equipment.

Year Constructed

1958

Current Insured Value

NA

Condition Report

Pump station #16 is in excellent overall condition. General maintenance of all buildings, equipment, and structures is required on a regular basis.

Completed Improvements

Maintenance and improvements are planned and completed on the pump station on an on-going basis. However, the following major improvements were completed in recent years:

2007

- Complete renovation and replacement of all equipment and structures. Building was rehabilitated.

2008

- Installed motion sensors for lighting in PS #16.

Energy Conservation Efforts

NA

Needed Improvements

None specific to this pumps station at this time.

Needed Energy Efficiency Projects

None specific to this pumps station at this time

Energy Costs History

	2007	2008
Gas	\$1,294	\$2,048
Gallons water pumped per cu. ft.	NA	NA
Electric	\$22,533	\$25,987
Gallons water pumped per kw	NA	NA
Heating degree days	NA	NA
Cooling degree days	NA	NA

Note: The electricity and gas is used for pump station operation, including the pumps, motors, blowers, and other equipment that is used in the transfer of wastewater. Only a small percentage of these costs are related to lighting, temperature control, and other occupancy related uses.

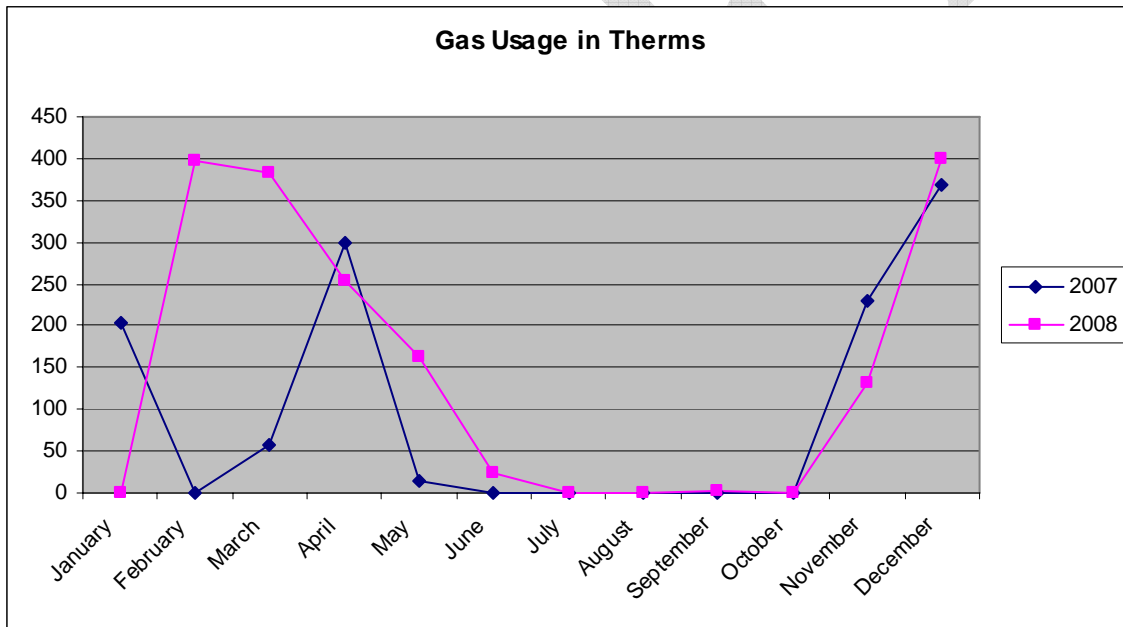
Energy Consumption

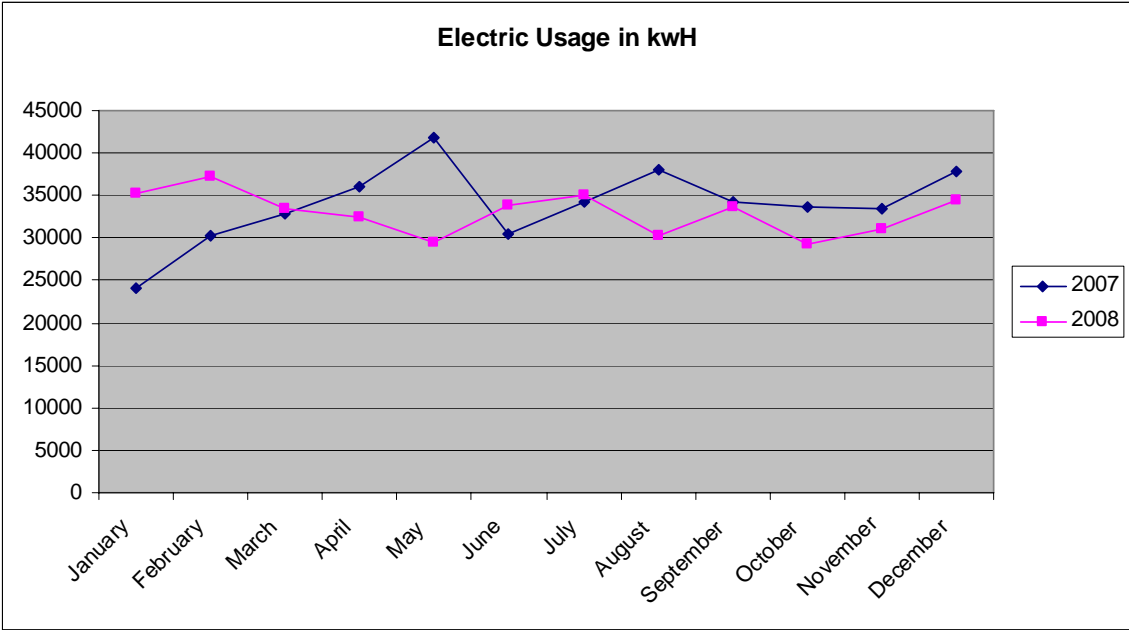
Natural Gas Usage

	January	February	March	April	May	June	July	August	September	October	November	December
2007	203	0	58	299	15	0	0	0	0	0	229	369
2008	0	397	383	253	163	25	0	0	3	0	132	399

Electricity Usage

	January	February	March	April	May	June	July	August	September	October	November	December
2007	24180	30280	32880	36080	41880	30480	34280	37980	34280	33580	33480	37880
2008	35180	37180	33380	32480	29480	33780	35080	30280	33580	29180	31080	34480





DRAFT

Pump Station #48
 Executive Summary 2009
 851 N. Folks Road East



Description

The pump station building exterior is brick and block. Pump station facility includes 1 lift station building above ground and associated underground piping and equipment.

Year Constructed

2007

Current Insured Value

NA

Condition Report

Pump station #48 is in excellent overall condition. General maintenance of all buildings, equipment, and structures is required on a regular basis.

Completed Improvements

Pump Station #48 is less than 2 years old. No improvements have been necessary on it. Maintenance and improvements are planned and completed on the pump station on an on-going basis.

Energy Conservation Efforts

NA

Needed Improvements

None specific to this pumps station at this time.

Needed Energy Efficiency Projects

None specific to this pumps station at this time.

Energy Costs History

	2007	2008
Gas	NA	NA
Gallons water treated per cu. ft.		
Electric	\$4,551 (partial year)	\$11,898
Gallons water treated per kw		
Heating degree days	NA	NA
Cooling degree days	NA	NA

Note: The electricity and gas is used for pump station operation, including the pumps, motors, blowers, and other equipment that is used in the transfer of wastewater. Only a small percentage of these costs are related to lighting, temperature control, and other occupancy related uses.

Energy Consumption

